

United States Department of Agriculture

Agricultural Marketing Service

Science and Technology Programs

Pesticide Data Program Annual Summary Calendar Year 2005

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Marketing and Regulatory Programs

Agricultural Marketing Service

1400 Independence Ave. Washington, DC 20250 November 2006

To the Reader:

I am pleased to present the Pesticide Data Program's (PDP) 15th Annual Summary, which includes data for calendar year 2005. PDP data continue to demonstrate that the Nation's food supply is among the safest in the world.

The U.S. Department of Agriculture implemented PDP in May 1991. Since then, PDP has tested a wide range of commodities in the U.S. food supply. Using a rigorous statistical approach to sampling and the most current laboratory methods, PDP has tested both fresh and processed fruit and vegetables, grains and grain products, milk and dairy products, beef, pork, poultry, drinking water, bottled water, and groundwater (initiated in 2006) for pesticide residues.

PDP data are essential for the implementation of the 1996 Food Quality Protection Act, which directs the Secretary of Agriculture to collect pesticide residue data on foods most likely consumed by infants and children. The U.S. Environmental Protection Agency (EPA) uses PDP data as a critical component of dietary assessments of pesticide exposure. The extensive and reliable PDP results provide realistic exposure information to the EPA assessment process.

PDP is a partnership with cooperating State agencies responsible for sample collection and analysis. Twelve States participated in the program during 2005: California, Colorado, Florida, Maryland, Michigan, Minnesota, Montana, New York, Ohio, Texas, Washington, and Wisconsin. Sound conclusions about our food supply can be drawn from PDP results because together the sampling States represent all regions of the country and over half the Nation's population.

The format of this Annual Summary is intended to provide the reader with thorough and accurate information. A detachable form is included following this letter for your comments and suggestions on how we can further improve this summary.

Sincerely,

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Lloyd C. Day Administrator



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Data presented in this report were collected and processed through the efforts of the following organizations:

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Executive Summary

This summary of results for 2005 is the 15th Annual Summary of the U.S. Department of Agriculture (USDA) Pesticide Data Program (PDP). In 1991, USDA was charged with designing and implementing a program to collect data on pesticide residues in food. The responsibility for this program was given to USDA's Agricultural Marketing Service (AMS).

Program Operations: AMS, through its Monitoring Programs Office (MPO), oversees the planning and policy development for PDP. MPO meets regularly with the U.S. Environmental Protection Agency (EPA) and other stakeholders (e.g., industry and grower groups) to establish program priorities and direction. Participating States have a prominent role in program planning activities and policy establishment, particularly policies relating to Quality Assurance (QA). The USDA National Agricultural Statistics Service (NASS) provides sampling support to PDP and statistically reliable data on chemical usage at the State level and collects economic data that link chemical usage with economic characteristics.

Data Uses: PDP data are used primarily by EPA to prepare realistic pesticide dietary exposure assessments as part of its ongoing effort to implement the 1996 Food Quality Protection Act (FQPA). PDP provides highquality data on residues in food, particularly foods most likely consumed by infants and children, including minor crops. Minor crops are those grown on 300,000 acres or less in the U.S. – for example, many fruit and vegetable crops are defined as minor crops. PDP data are used in pesticide re-registration activities, in accordance with FQPA requirements.

PDP data are also used by the U.S. Food and Drug Administration (FDA), USDA's Economic Research Service (ERS) and Foreign Agricultural Service (FAS), participating States, academic institutions, chemical manufacturers, environmental interest groups, food safety organizations, and groups within the private sector representing food producers. PDP data are used by the U.S. Government and agricultural community to examine pesticide residue issues that may affect good agricultural practices relating to integrated pest management objectives and U.S. trade, particularly in the competitive global market. PDP additionally provides support for USDA's participation in the Codex Alimentarius Commission.

Risk Assessment: In estimating the potential risks of consumption of pesticide residues from food, EPA uses a step-wise tiered approach. As a first step, EPA may use a conservative, worstcase scenario and assume that a pesticide is applied to the fullest extent permitted by the pesticide label; that is, on every acre of each approved crop at the maximum rate and frequency allowed. EPA may also assume that residues on treated crops are present at the maximum allowable level. Exposure estimates based on such assumptions are likely to significantly exceed actual exposure. When an initial assessment indicates a potential risk, EPA refines its assessment using more realistic exposure data. Refinements may include the use of additional data such as: (1) the percent of a crop treated with a pesticide; (2) studies of the effects of washing, cooking, processing, and storage; and (3) residue monitoring data. During the refinements of this exposure assessment, PDP data can be pivotal. PDP sampling procedures were designed to capture residues in the food supply as close as possible to the time of consumption. PDP concentrates its efforts to provide realistic pesticide residue data on foods that are most often consumed by infants and children and incorporates recommendations made in 1993 by the National Academy of Sciences (NAS) in its report "Pesticides in the Diets of Infants and Children."

Participants: In 2005, sampling and/or testing program operations were carried out with the support of 12 States: California, Colorado, Florida, Maryland, Michigan, Minnesota,

Montana, New York, Ohio, Texas, Washington, and Wisconsin. Grain sampling was performed by USDA's Federal Grain Inspection Service (FGIS) and pork sampling by USDA's Food Safety and Inspection Service (FSIS). Two Federal laboratories also provided testing services: USDA's AMS National Science Laboratory and USDA's Grain Inspection, Packers. and Stockyards Administration (GIPSA) Laboratory. Participating water utilities provided drinking water samples which were tested by the Colorado, Montana, and New York State laboratories. Bottled water samples were collected at food distribution centers and tested by the Minnesota laboratory. MPO is responsible for administering the program, coordinating sampling actions, directing technical performance issues and quality assurance measures, and managing database activities.

Sampling: PDP commodity sampling is based on a rigorous statistical design which ensures that the data are reliable for use in exposure assessments and that they can be used to draw various conclusions about the Nation's food supply. Pesticides and commodities included each year in PDP are selected based on EPA data needs and on information about the types and amounts of food consumed by infants and children. Fruit and vegetable, dairy, and bottled water samples collected by each of the 10 sampling States (California, Colorado, Florida, Maryland, Michigan, New York, Ohio, Texas, Washington, and Wisconsin) are apportioned according to that State's population. Samples are randomly chosen close to the time and point of consumption (i.e., distribution centers rather than at farmgate) and reflect what is typically available to the consumer throughout the year. Samples are selected without regard to country of origin, variety, or organic labeling. The monthly sampling rate is 62 samples per commodity, except for highly seasonal commodities. For seasonal commodities, sampling rates are adjusted to reflect market availability. Sampling rates for grain and meat are based on production.

Results: During 2005, PDP tested fresh and processed fruit and vegetables, soybeans, wheat, milk, heavy cream, pork, bottled water, and drinking water for various insecticides, herbicides, fungicides, and growth regulators. Of the 14,749 total samples collected and analyzed, 10,154 were fruit and vegetable commodities including apples, cantaloupe, cauliflower, eggplant, grapes, grapefruit, fresh and frozen green beans, lettuce, oranges and orange juice, pears, fresh and dried plums (prunes), strawberries, watermelon, and winter squash. PDP also tested 668 soybean (plus 306 for a soybean rust/aphid special survey), 674 wheat, 746 milk, 369 heavy cream, 704 pork, 378 bottled water, and 750 drinking water samples.

Excluding drinking water, approximately 84 percent of all samples tested were from U.S. sources, 14 percent were imports, 1 percent was of mixed origin, and approximately 1 percent was of unknown origin. Approximately 21 percent of the orange juice samples were of mixed national origin.

Overall, 73 percent of fresh fruit and vegetables and 61 percent of processed fruit and vegetables showed detectable residues. More residues were detected in fresh produce than in processed products and grains. Residues detected in dairy products and pork samples were primarily low level residues of unavoidable environmental contaminants, including DDE p,p' and dieldrin. Additionally, low levels of diphenylamine were detected in dairy products.

Excluding drinking water, 34 percent of samples tested contained no detectable pesticides [parent compound and metabolite(s) combined], 30 percent contained 1 pesticide, and 36 percent contained more than 1 pesticide. Low levels of environmental contaminants were detected in cantaloupe, cauliflower, green beans, heavy cream, lettuce, milk, pork, watermelon, and winter squash at concentrations well below levels that trigger regulatory actions. Excluding samples for which no tolerances are set (bottled water and drinking water), residues exceeding the tolerance were detected in 0.2 percent of the 13.621 samples tested in 2005 – 25 samples with 1 residue each. A tolerance is the maximum amount of a pesticide residue allowable on a raw agricultural commodity. Established tolerances are listed in the Code of Federal Regulations. Title 40. Part 180. Residues with no established tolerance were found in 4.2 percent of the samples (570 samples with 1 residue each, and 2 samples with 2 residues each). In most cases, these residues were detected at very low levels and some residues may have resulted from spray drift or crop rotations. PDP communicates these findings to FDA when they are reported by testing laboratories.

In finished drinking water, PDP detected low levels (measured in parts per trillion) of some pesticides, primarily widely used herbicides. Forty-eight different residues were detected in the untreated intake water and 43 in the treated water. The majority of pesticides, metabolites, and isomers included in the PDP testing profiles were not detected. None of the detections in the finished water samples exceeded established EPA Maximum Contaminant Levels (MCL) or Health Advisory (HA) levels or established Freshwater Aquatic Organism (FAO) criteria.

Data Availability: PDP continuously strives to improve methods for the collection, testing, and reporting of data. These data are freely available to EPA and other Federal and State agencies charged with regulating and setting policies on the use of pesticides. They are also available to all stakeholders by hard copy, Internet, or custom reports generated by MPO. Additional copies of the PDP Annual Summary may be obtained by calling MPO at (703) 330-2300 or by mailing the form provided at the end of this report. This publication, the PDP database file for 2005, and annual summaries and database files for previous years are available on the PDP Website at http:// www.ams.usda.gov/pdp.

Acronyms and Abbreviations

% C.V.	Percent Coefficient of Variation
AMS	Agricultural Marketing Service
BQL	Below Quantifiable Level
CDFA	California Department of Food and Agriculture
EMRL	Extraneous Maximum Residue Limit
EPA	Environmental Protection Agency
ERS	Economic Research Service
ESA	Ethane Sufonic Acid
e-SIF	Electronic-Sample Information Form
FAO	Freshwater Aquatic Organism
FAPAS	Food Analysis Performance Assessment Scheme
FAS	Foreign Agricultural Service
FDA	Food and Drug Administration
FGIS	Federal Grain Inspection Service
FSIS	Food Safety and Inspection Service
FQPA	Food Quality Protection Act
GC	Gas Chromatography
GIPSA	Grain Inspection, Packers, and Stockyards Administration
GLP	Good Laboratory Practices
HA	Health Advisory
HPLC	High Performance Liquid Chromatography
LC	Liquid Chromatography
LIB	Laboratory Information Bulletin
LOD	Limit of Detection
LOQ	Limit of Quantitation
MCL	Maximum Contaminant Level
MPO	Monitoring Programs Office
MRL	Maximum Residue Limit
MRM	Multiresidue Methods
MS	Mass Spectrometry
NAS	National Academy of Sciences
NASS	National Agricultural Statistics Service
NSL	National Science Laboratory
OA	Oxanilic Acid

PAM	Pesticide Analytical Manual
PDP	Pesticide Data Program
ppb	parts per billion
ppm	parts per million
ppt	parts per trillion
PT	Proficiency Testing
QA	Quality Assurance
QAO	Quality Assurance Officer
QAU	Quality Assurance Unit
QC	Quality Control
RDE	Remote Data Entry
SIF	Sample Information Form
SOP	Standard Operating Procedure
SPE	Solid Phase Extraction
SSL	Secure Sockets Layer
TPM	Technical Program Manager
USDA	United States Department of Agriculture
USGS	United States Geological Survey
	- •

Pesticide Data Program (PDP) Annual Summary, Calendar Year 2005

This summary consists of the following sections: (I.) Introduction, (II.) Sampling Operations, (III.) Laboratory Operations, (IV.) Database Management, and (V.) Sample Results and Discussion

I. Introduction

The Pesticide Data Program (PDP), which was initiated in 1991 to collect data on pesticide residues in food, now has an important role in the implementation of the 1996 Food Quality Protection Act (FQPA). This law directs the Secretary of Agriculture to collect pesticide residue data on commodities most frequently consumed by infants and children. PDP data are used primarily by the U.S. Environmental Protection Agency (EPA) to assess dietary exposure during the review of the safety of pesticide tolerances existing (Maximum Residue Limits).

Because PDP collects data on food commodities primarily for exposure assessment, program operations differ markedly from those followed by regulatory monitoring programs for tolerance enforcement. PDP samples are collected closer to the point of consumption and are prepared emulating consumer practices. Sampling is based on EPA data needs and does not impede commodity distribution. Laboratory operations are designed to achieve the lowest detectable levels rather than guick sample turnaround. As a dietary risk assessment support program, PDP focuses its pesticide testing on registered uses for the commodities in the program rather than screening for all potential illegal uses.

Figure 1(a) illustrates PDP program policy development and planning operations. Primary contributors to these activities include the participating States, EPA, USDA's National Agricultural Statistics Service (NASS), and additional stakeholders including industry and grower groups. Figure 1(b) depicts PDP primary data users including EPA, the U.S. Food and Drug Administration (FDA), USDA's Economic Research Service (ERS) and Foreign Agricultural Service (FAS), participating States, academic institutions, chemical manufacturers, environmental interest groups, food safety organizations, and groups within the private sector representing food producers. Additionally, other Federal, State and foreign government agencies and industry have used PDP data to promote the export of U.S. commodities to international markets, and the Codex Alimentarius Committee on Pesticides Residues has requested information on PDP methodology for detecting residues as well as data profiles.

In 2005, sampling services were provided by 10 States (California, Colorado, Florida, Maryland, Michigan, New York, Ohio, Texas, Washington, and Wisconsin); the USDA Federal Grain Inspection Service (FGIS); and the USDA Food Safety Inspection Service (FSIS). Additional sampling services were provided by participating drinking water facility personnel in nine States (California, Florida, Louisiana, Michigan, North Carolina, North Dakota, Ohio, Pennsylvania, and Washington). Laboratory services were provided by the States of California, Colorado, Florida, Michigan, Minnesota, Montana, New York, Ohio, Texas, and Washington; the Agricultural Marketing Service (AMS) National Science Laboratory (NSL); and the Grain Inspection, Packers, and Stockvards Administration (GIPSA) Laboratory. The AMS Monitoring Programs Office (MPO) is responsible for overall management of PDP.

Figure 2 shows the States that participate in program sampling and/or testing as well as the States in their direct distribution network. Together, these States represent about 50 percent of the Nation's population and all 4 census regions of the U.S. These States also represent major producers of fruit and vegetables in the U.S.

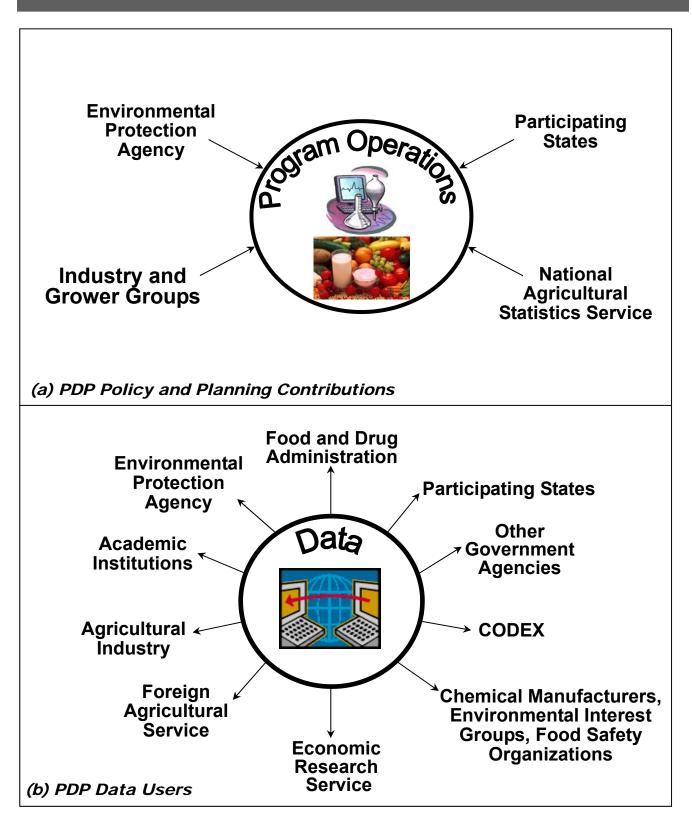


Figure 1. PDP Program Operations Support and Data Users. This figure illustrates (a) agencies/ groups that support PDP program policy and planning activities, and (b) agencies/groups that use PDP data.

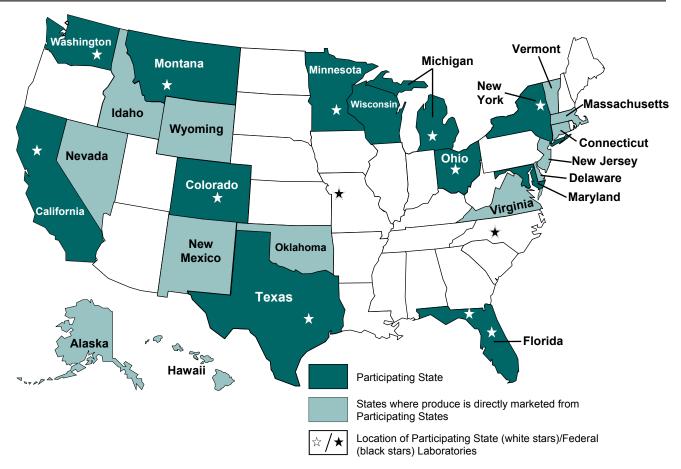


Figure 2. Program Participants. During 2005, AMS established cooperative agreements with 12 States to sample and/or test PDP commodities. State laboratories are responsible for analyzing fresh and processed fruit and vegetable samples and drinking water samples. The Federal laboratory in Gastonia, North Carolina, analyzes meat, poultry, and dairy products, and the Federal laboratory in Kansas City, Missouri, analyzes whole and processed grain products. States that do not participate in PDP's sampling program but are in the direct distribution networks of the participating States are also shown.

AMS works closely with EPA to select commodities and pesticides for testing and in the selection of drinking water sites. Commodities selected are those representing the highest U.S. consumption, with an emphasis on foods consumed by infants and children. Appendix A provides a list of commodities tested by PDP from the beginning of the program in 1991 through 2006.

Fruit and vegetable samples are collected at terminal markets and large chain store distribution centers from which food commodities are supplied to supermarkets and grocery stores. Sampling at these locations allows for residue measurements that include pesticides applied during crop production and those applied after harvest (such as fungicides and growth regulators) and takes into account residue degradation while food commodities are in storage. Participation as a PDP sampling site is voluntary, which sets it apart from State and Federal enforcement programs. In 2005, more than 700 sites granted access and provided information, including site volume data, to sample collectors. This voluntary cooperation is important to PDP and makes it possible to adjust sampling protocols in response to fluctuations in food distribution and production.

Pesticides screened by PDP include those with current registered uses and compounds for which toxicity data and preliminary estimates of dietary exposure indicate the need for more extensive residue data. PDP also monitors pesticides for which EPA has instituted modified use directions (i.e., reduced application rates or frequency) as part of risk management activities. The following appendices list the specific pesticides tested in the program: fruit and vegetables (Appendix B), soybeans (Appendix C), soybean rust/aphid special survey (Appendix D), wheat (Appendix E), milk (Appendix F), heavy cream (Appendix G), pork (Appendix H), bottled water (Appendix I), and drinking water (Appendix J).

II. Sampling Operations

Background

The goal of the PDP sampling program is to obtain a statistically defensible representation of the U.S. food supply. PDP data reflect actual pesticide residue exposure from food. Using a rigorous statistical design, PDP has developed extensive procedures to ensure that samples are randomly selected from the national food distribution system and reflect what is typically available to the consumer.

Fruit, vegetables, dairy products, and bottled water are randomly collected by trained State inspectors at terminal markets and large chain store distribution centers throughout the country. Surrogate or "proxy" sites (retail markets) are occasionally used to collect these samples when the commodity of interest is unavailable at a terminal market or distribution center. In these instances, the commodity is selected in the rear storage area of the retail facility so that possible contamination by the consumer is eliminated and to allow capture of sample information from the product boxes. In 2005, approximately 7 percent of fruit, vegetable, and dairy products were collected at proxy sites. The commodities most often collected at proxy sites included milk, orange juice, heavy cream, and frozen green beans. Most of the bottled water samples were collected at proxy sites (refer to "Bottled Water and Drinking Water" section for details on this special collection criteria).

Whole grain samples are collected from trains, trucks, and barges by trained USDA FGIS

inspectors. Drinking water samples are collected by trained personnel at individual water treatment facilities at selected sites across the country. At these locations, information is usually available about the identity and origin of the sample. Sample information is captured at the time of sample collection for inclusion in PDP files.

PDP sample origin data identify the State or country where the commodity was produced. A comparison of PDP sample origin data to State production and import data by USDA's NASS shows that PDP sampling is representative of the U.S. food supply. PDP sampling operations are adjusted according to product availability. The number of fruit, vegetable, dairy, and bottled water samples collected in each participating State is determined by State population. The number and location of collected grain and pork samples are determined by annual domestic production figures. For drinking water, each local watershed has its own unique characteristics; therefore, sample collection for this commodity is not intended to reflect national trends. In this case, PDP collects samples in areas where it is known that targeted pesticides are heavily used. The quarterly collection schedule for all 2005 commodities is shown in Table 1.

PDP State sample collectors are trained to adhere to detailed program Standard Operating Procedures (SOPs) that provide criteria for site selection and specific instructions for sample selection, shipping and handling, and chain-ofcustody. SOPs are updated as needed and serve as a technical reference in conducting program sampling reviews to ensure that program goals and objectives are met. SOPs for PDP sampling are available on the Internet at <u>www.ams.usda.</u> <u>gov/pdp</u>.

Fruit, vegetable, dairy, and bottled water samples are packed in heavy-duty, temperaturecontrolled containers. Samples are shipped the same day as collection by overnight delivery to ensure that the selected commodities maintain their original integrity until they are received at

Commodity	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	End Date
Apples		1			Dec-05
Cantaloupe					Sep-05
Cauliflower					Sep-06
Cream, heavy					Dec-05
Eggplant					Dec-06
Grapefruit					Dec-06
Grapes					Dec-05
Green Beans, Fresh					Mar-05
Green Beans, Frozen					Dec-05
Lettuce					Dec-05
Milk					Dec-05
Orange Juice					Sep-06
Oranges					Dec-05
Pears					Sep-05
Plums, Fresh*					Dec-06
Plums, Dried (prunes)*					Dec-06
Pork, Adipose/Muscle					Jun-05
Soybean Grain**			_	-	Dec-05
Strawberries		I		1	Dec-05
Water, Bottled				1	Dec-06
Water, Finished		I			Ongoing
Water, Untreated				1	Ongoing
Watermelon					Sep-06
Wheat Grain***		I			Apr-06
Winter Squash				1	Jun-06

* Dried plums (prunes) were collected if fresh plums were unavailable.

** Soybeans were collected in the 2004 Crop Year, Oct 2004-Aug 2005. Soybeans were also collected for the soybean rust/aphid special survey Oct-Dec 2005.

*** Wheat was collected in the 2004 Crop Year, Oct 2004-Apr 2005 and continued for the remainder of the year for the 2005 Crop Year.

Table 1. PDP Commodity Collection Schedule for 2005. Samples are most often collected for a 2-year time period. Commodities are initiated or terminated in different quarters of the year, so that new commodities are not brought into the program all at the same time. This table illustrates time ranges for the listed commodities. See Appendix A for the complete PDP commodity history from May 1991 through December 2006.

their respective laboratory for analysis. Frozen cold packs are included in shipping containers. when necessary, so that holding temperatures are preserved throughout transit time. Grain samples are collected in pesticide-free polyethylene bags and are shipped in canvas pouches or boxes to the laboratory where the samples are refrigerated pending analysis. Pork samples are collected in pesticide-free polyethylene bags, frozen overnight, and shipped by next-day delivery to the laboratory for analysis. Drinking water samples are collected in specially prepared bottles containing dechlorinating agents to halt any potential compound degradation, packed with proper cushioning and cold packs, and shipped the same day as collection to their respective laboratory by overnight delivery.

PDP Sample Information Forms (SIFs) are used for chain-of-custody and to capture information needed to characterize the sample. Sample collectors use the forms to record information such as: (1) State of sample collection, (2) collection date, (3) sampling site code, (4) commodity code, and (5) testing laboratory code. Information from these five data elements is combined to form a unique PDP sample identification number for each sample. Other available information about each sample is recorded also, such as collector name, the State or country of origin, product variety, production claims such as organic, and any postharvest chemical applications. An electronic SIF (e-SIF) capturing system was implemented in 2003 and continues to be used to record relevant sample information. Refer to Section IV on Database Management for more information on the e-SIF system.

Fresh and Processed Fruit and Vegetables

Of all samples collected and analyzed in 2005, 69 percent (10,154 of 14,749) were fruit and vegetables, including fresh and processed products. The fresh commodities collected for PDP were apples, cantaloupe, cauliflower, eggplant, grapes, grapefruit, green beans, lettuce, oranges, pears, plums, strawberries, watermelon, and winter squash. The processed commodities included frozen green beans, ready-to-serve and frozen orange juice, and dried plums (prunes). All fresh fruit and vegetable samples weighed either 3 or 5 pounds (3 pounds were collected for small-sized commodities such as grapes and strawberries, and 5 pounds were collected for larger commodities such as eggplant and grapefruit). For large-sized commodities, such as cauliflower and cantaloupe, a minimum of two units were collected to maintain sample representativeness. An exception for these largesized commodities was watermelon; only one unit was collected per sample because of its unusually heavy shipping weight.

Participating State agencies compile and maintain lists of sampling sites. The States provide AMS and NASS with annual volume information for commodities distributed at each site. This information is used to weight the site to determine the probability for sample selection. For example, a weight of 10 may be given to a site that distributes 100,000 pounds of produce annually and a weight of 1 is given to a site that distributes 10,000 pounds. The probabilityproportionate-to-size method of site selection then results in the larger site being 10 times more likely to be selected for sampling than the smaller site.

Participating States work with NASS to develop statistical procedures for site weighting and selection. States are also given the option of having NASS perform their quarterly site selection. The number of sampling sites and the volume of produce distributed by the sites vary greatly between States. Sampling plans that include sampling dates, sites (primary and alternate), targeted commodities, and testing laboratories are prepared by each State on a quarterly basis. Collection of commodities is randomly assigned to weeks of the month, prior to selection of specific sampling dates within a week. Because sampling sites are selected for an entire quarter. States may assign the sites to particular months based on geographic location.

State population figures are used to assign the number of fruit and vegetable samples

scheduled for collection each month. These population- and distribution-network-based numbers result in the following monthly collection assignments for each State: California, 14; Colorado, 2; Florida, 7; Maryland, 4; Michigan, 6; New York, 9; Ohio, 6; Texas, 8; Washington, 4; and Wisconsin, 2. This

schedule results in a monthly target of 62 samples per commodity, or 744 samples per commodity per year.

The number of samples collected in each State is listed in Table 2. Figure 2 illustrates the participating States and the laboratories to

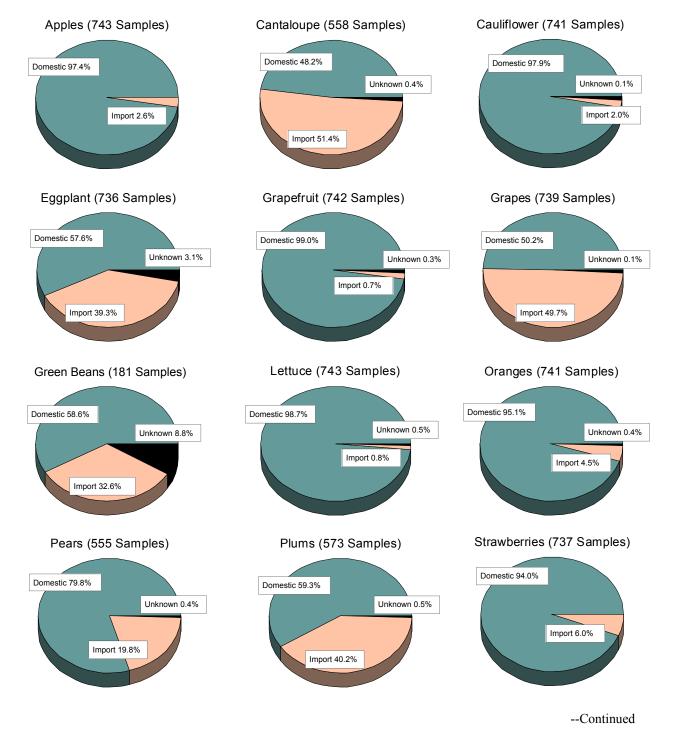
Fresh Fruit and Vegetables											Total				
State	AP	CF	CN	EP	GB	GF	GR	LT	OG	PE	PU	ST	WM	WS	Fresh
California	168	168	126	168	42	167	168	168	168	126	130	168	41	167	1,975
Colorado	24	24	18	24	6	24	24	24	24	18	19	24	-	24	277
Florida	84	84	63	83	21	84	84	84	84	63	64	84	64	84	1,030
Maryland	47	47	36	47	12	47	48	48	48	35	32	48	8	46	549
Michigan	72	72	54	72	18	72	72	72	72	54	53	72	-	72	827
New York	108	108	81	108	27	108	108	108	108	81	96	108	10	108	1,267
Ohio	72	72	54	68	17	72	71	72	71	52	47	70	-	65	803
Texas	96	95	72	96	24	96	93	96	94	72	84	94	59	96	1,167
Washington	48	48	36	48	11	48	48	48	48	36	32	46	-	47	544
Wisconsin	24	23	18	22	3	24	23	23	24	18	16	23	-	22	263
	743	741	558	736	181	742	739	743	741	555	573	737	182	731	8,702

Process	Processed Fruit and Vegetables		Total	Total Fresh & Processed	Dairy Product			Water Product	
State	GZ	OJ	PD	Processed	F&V		СМ	MK	WB
California	125	168	36	329	2,304		84	168	93
Colorado	18	24	4	46	323		12	24	12
Florida	63	84	20	167	1,197		40	84	36
Maryland	35	48	13	96	645		24	48	26
Michigan	54	72	10	136	963		36	72	36
New York	81	108	12	201	1,468		54	111	48
Ohio	54	72	25	151	954		35	72	39
Texas	72	96	11	179	1,346		48	96	52
Washington	36	48	16	100	644		24	48	24
Wisconsin	17	24	6	47	310		12	23	12
	555	744	153	1,452	10,154		369	746	378

Commodity Legend		
AP = Apples	GR = Grapes	PE = Pears
CF = Cauliflower	GZ = Green Beans (Frozen)	PU = Plums
CM = Heavy Cream	LT = Lettuce	ST = Strawberries
CN = Cantaloupe	MK = Milk	WB = Bottled Water
EP = Eggplant	OG = Oranges	WM = Watermelon
GB = Green Beans	OJ = Orange Juice	WS = Winter Squash
GF = Grapefruit	PD = Plums, Dried (Prunes)	

Table 2. Distribution of Samples Collected and Analyzed by Each Participating State. This table includes those commodities collected at terminal markets and distribution centers. The distribution of soybean, wheat, pork, and drinking water samples may be found in Figures 5, 6, 7, and 8, respectively. which samples were shipped. The total number of samples per commodity and the percentage of each that were either domestic, imported, or of unknown origin are shown in Figure 3. The origin of some fresh commodities can vary greatly throughout the year. Graphic examples of this variation may be found in Figure 4 where differences in origin (domestic vs. import) are depicted for fresh eggplant, grapes, and winter squash by month. Fruit and vegetable samples originated from 39 States and 27 foreign countries.

A. Fresh Fruit and Vegetable Commodities



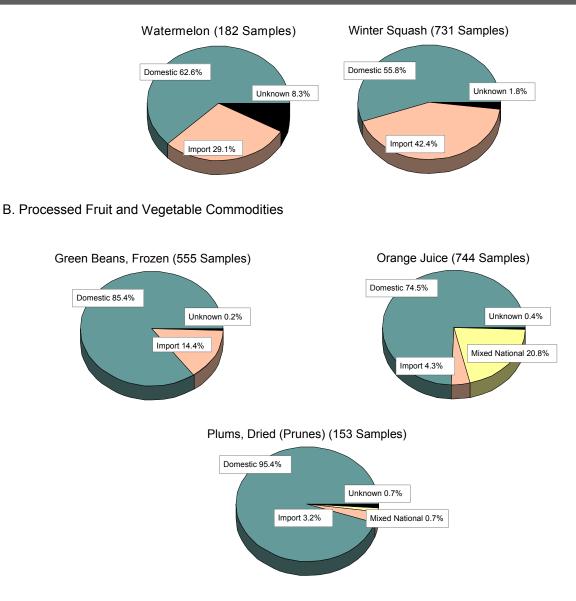


Figure 3. Commodity Origin. This figure depicts the proportion of commodity origin (domestic vs. import vs. unknown origin) for each fresh and processed fruit and vegetable product tested in 2005.

• Grains: Soybeans and Wheat Grain

Trained USDA FGIS inspectors collected 668 soybean samples for PDP for the 2004 crop year (September 2004 through August 2005). The actual sample collection period was divided into two collection phases: October 2004 through February 2005 (493 samples) and April 2005 through August 2005 (175 samples). Sample collection rates, on a statewide basis, were calculated on the basis of crop production totals averaged over a 3-year period. Samples were drawn from trucks (26% of samples), hopper cars (58% of samples), and barges/ships (16% of samples). Soybeans slated for export were excluded from the sampling scheme. PDP chain-of-custody procedures are similar to those used for fruit and vegetable samples. Sample information for soybeans included: inspection location, inspection point code, field office location, official agency collecting the sample, carrier identification (truck, barge, or railcar), State of origin, collection date, quantity of lot sampled, and inspector's name. Pesticide

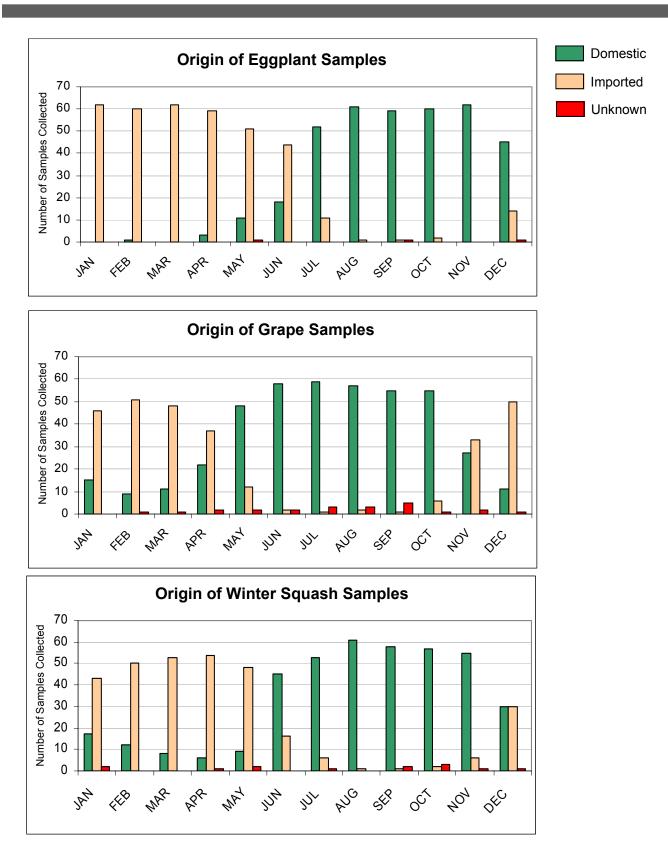


Figure 4. Origin of Selected Fresh Commodities: Eggplant, Grapes, and Winter Squash. Differences in origin (domestic vs. import) are illustrated by month. The targeted number of samples is 62 per month for each commodity.

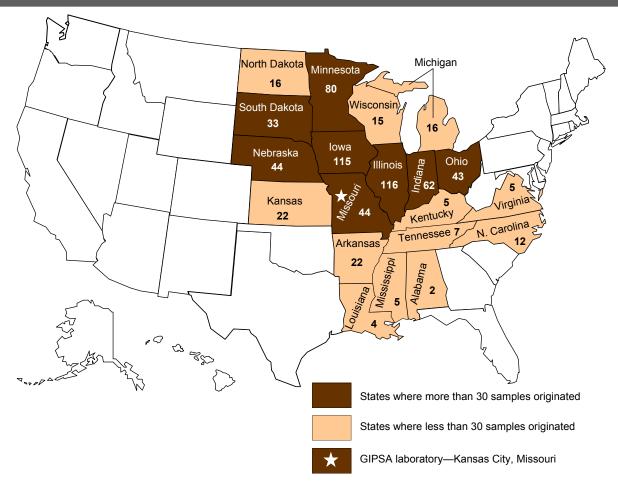


Figure 5. Number of Samples Collected and Grower States for Soybeans -- Crop Year 2004. A total of 668 soybean samples were collected between September 2004 and August 2005. The samples originated from 20 States and were collected in proportion to their production volumes. Residue testing for all samples was performed by GIPSA, located in Kansas City, Missouri.



residue analysis was performed by the GIPSA Technical Services Division Laboratory located in Kansas City, Missouri. Soybean samples originated from 20 States and were collected through 8 regional FGIS offices. There were no imported soybean samples; all were of domestic origin. The origin and number of samples collected from each State is displayed in Figure 5.

In addition to routine soybean sampling for multiresidue analyses, PDP conducted a special sampling project for compounds used to combat soybean rust from October 2005 through December 2005. In response to an EPA data request, PDP coordinated with industry to collect soybean samples that were slated only

for export. A total of 306 samples were collected primarily from barges (98%-barges and 2%-trucks) that were scheduled for export from New Orleans, Louisiana (291 samples), Brunswick, Georgia (10 samples), and Chesapeake, Virginia (5 samples). Western and northern U.S. ports were excluded from this sampling survey because the soybean rust fungus had not spread beyond the lower Southeastern U.S. where most of the soybean rust compounds had been applied. Sampling and chain-of-custody procedures were the same as those described above for routine soybean Rust compound analysis collection. was performed by the GIPSA Technical Services Division Laboratory in Kansas City, Missouri.

FGIS inspectors collected 674 samples of wheat grain for PDP for the 2004 crop year (October 2004 through April 2005). Wheat grain samples originated from 27 States. The origin and number of samples collected from each State is displayed in Figure 6. Sample collection and chain-of-custody procedures were the same as those described above for routine soybean collection. Wheat grain analysis was performed by the GIPSA Technical Services Division Laboratory in Kansas City, Missouri.

• Dairy: Milk and Heavy Cream

PDP State sample collectors obtained 746 whole milk samples from distribution centers or proxy sites in the 10 participating States that received milk from 26 different States. Sixty-five percent of milk samples were collected at retail distribution centers and 35 percent of the samples were collected at proxy sites (supermarkets or retail stores that receive product directly from their distribution centers). Selection of proxy sites for

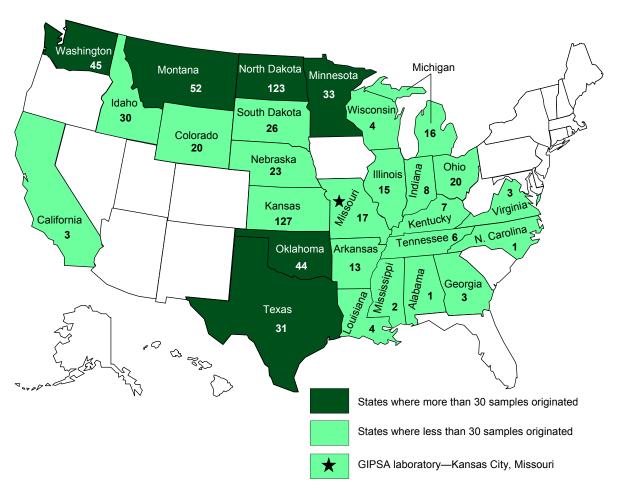


Figure 6. Number of Samples Collected and Grower States for Wheat -- Crop Year 2004. A total of 674 wheat samples were collected. The samples originated from 27 States and were collected in proportion to their production volumes. Residue testing for all samples was performed by GIPSA, located in Kansas City, Missouri.



milk sample collection is based on a store's close geographic proximity to its milk distribution center. All whole milk samples were of domestic origin. Sample collection States are found in Table 2. Shipment and chain-of-custody procedures were the same as for fruit and vegetable samples. Pesticide residue analysis for all samples was performed by the AMS NSL in Gastonia, North Carolina.

Between July and December, 369 heavy cream samples were collected by PDP State sample collectors. The heavy cream samples were collected from distribution centers or proxy sites that received the cream from 22 different States. Sixty-six percent of the heavy cream samples were collected at retail distribution centers and 34 percent of the samples were collected at proxy sites. Selection of proxy sites for heavy cream sample collection was the same as described above for milk. All heavy cream samples were of domestic origin. Sample collection States are found in Table 2. Shipment and chain-of-custody procedures were the same as for fruit and vegetable samples. Pesticide residue analysis for all samples was performed by the AMS NSL in Gastonia. North Carolina.

+ Pork

Between January and June, 704 pork samples were collected for PDP by trained FSIS inspectors. The inspectors collected samples at designated slaughter facilities, separately bagged each tissue in pesticide-free polyethylene bags, labeled the samples, and froze the samples overnight. Once frozen, the samples were packed with frozen cold packs, the boxes tamperproofed, and shipped by overnight delivery to the NSL laboratory in Gastonia, North Carolina, for analysis. FSIS used specially designed Unified Sampling Forms that contain all required PDP sample information. The forms were completed on site and accompanied each sample during shipment. Gilts (young female sows) and barrows (young castrated males) were sampled at the ratio of 51 percent and 47 percent, respectively. Two percent of the samples were of an unknown type. Site samples consisted of approximately 1 pound of adipose tissue (352 samples) and 1 pound of muscle tissue (352 samples). Each set of tissues was sampled from the same hog. For the adipose tissue, back fat (51 percent of samples) and belly fat (49 percent of samples) were collected. Samples were taken from 40 slaughter facilities at rates according to throughput volume in 18 States (refer to Figure 7 for distribution of samples in each State). Ninety-six percent of all samples were obtained from hogs that were of domestic origin; four percent were of Canadian origin. All pork samples were analyzed by NSL, Gastonia, North Carolina.

Bottled Water and Municipal Drinking Water

PDP State sample collectors collected 378 bottled water samples at a half sampling rate from the 10 participating States (California-7, Colorado-1, Florida-3, Maryland-2, Michigan-3, New York-4, Ohio-3, Texas-4, Washington-2, and Wisconsin-1). Eighty-five percent of the samples were of domestic origin, 14 percent were imported, and 1 percent was of unknown origin. A minimum of 2 liters per sample was collected from retail facilities in each participating State. Bottled water types excluded from the sampling scheme were: sparkling bottled water and mineral water. Artificially carbonated water, seltzer water, and flavored water, which are not regulated by FDA as bottled water, also were not included in the sampling scheme. Most bottled water sample collection was performed at proxy sites (retail stores) because local, as well as national brands, were included in the survey. Sample information and packing procedures were the same as those for fruit and vegetables; however, the inclusion of cold packs for shipping was unnecessary. Sample information on bottled water also included (1) bottle type and (2) brand name. Sample collection States are found in Table 2. Sample analysis was performed by the State laboratory in Minnesota.

In the municipal water sampling project, 750 drinking water samples were collected from community water systems in California, Florida,

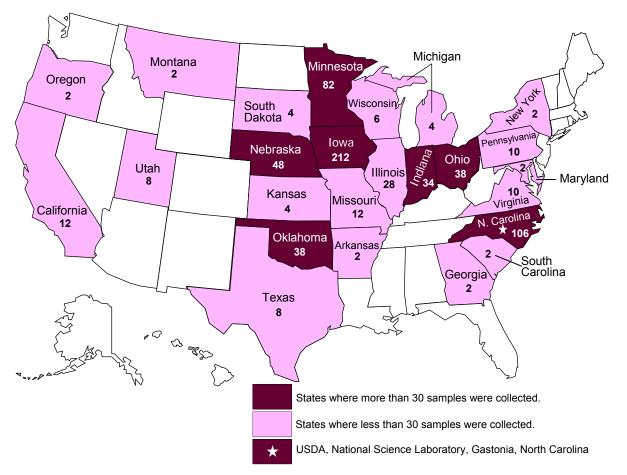


Figure 7. Location of Pork Sample Collection Sites. A total of 704 pork samples were collected, including 352 adipose tissue samples and 352 muscle tissue samples from the same hog. All samples were approximately 1 pound. FSIS inspectors collected samples at designated slaughter facilities. The samples originated from 25 States (12 samples were of unknown origin and 14 samples were from Canada). Residue testing for all samples was performed by the National Science Laboratory in Gastonia, North Carolina.



Louisiana, Michigan, North Carolina, North Dakota, Ohio, Pennsylvania, and Washington. Samples were collected bimonthly by trained water treatment facility personnel and sent to State laboratories in Colorado, Montana, and New York for analysis. Samples included water collected from both the raw water intake and the finished drinking water after treatment. The untreated intake water and treated water were collected as paired samples, taking into account each individual plant's processing time. Dechlorination and preservative chemicals were added to the samples at the time of collection. Samples were packed with frozen cold packs and shipped overnight to the testing laboratories.

Two years of water sample collection in Michigan, North Carolina, Ohio, and Washington were completed in 2005. Five sites in Oregon (3), Pennsylvania (1), and Washington (1) were replaced in 2005 with only 1 year of sampling after evaluation of the data. The new sites in Louisiana, Pennsylvania, California, and North Dakota were sampled bimonthly as before; however, they were sampled weekly during the months of April, May, and June, when pesticides were more likely to have been heavily applied in those regions. Site selection was made in collaboration with EPA's Office of Pesticide Programs. All selected sites met

the following criteria: (1) service to populations under 50,000; (2) use of surface water as the primary source of water; and (3) location in regions of heavy agriculture where known amounts of pesticides were applied. Water treatment method was not part of the selection criteria. General locations of water collection sites and testing laboratories are illustrated in Figure 8.

III. Laboratory Operations

Overview

Twelve laboratories (10 State and 2 Federal) performed analyses for PDP. These laboratories are equipped with instrumentation capable of detecting residues at very low levels. Laboratory staff members receive intensive training and must demonstrate analytical proficiency on a periodic basis. Program scientists continuously test new technologies and develop new techniques to improve the levels of detection. Major changes in methodology are evaluated and their soundness demonstrated and documented in accordance with PDP SOPs.

Fresh and Processed Fruit and Vegetables

PDP participating laboratories analyzing fruit and vegetables monitored 251 parent pesticides, metabolites, degradates, and isomers using Multiresidue Methods (MRMs). Upon arrival at the testing facility, samples are visually examined for acceptability and discarded if

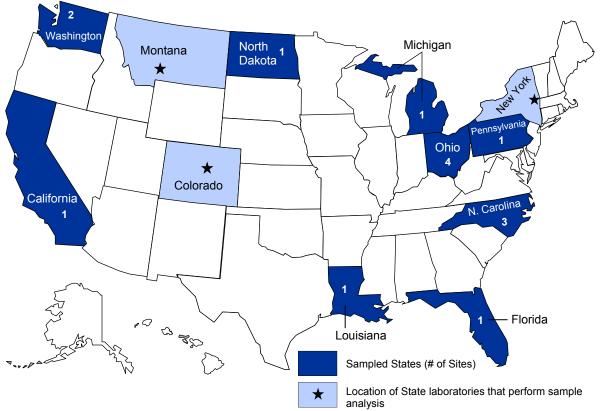


Figure 8. Location of Drinking Water Collection Sites at Community Water Systems, 2005. A total of 16 water treatment facilities in the U.S. were sampled in paired units (coordinated treated and untreated samples). Sites represent areas of varied geographical settings but are located in watersheds where pesticides were known to have been heavily applied.



determined to be inedible (decayed, extensively bruised, or spoiled). Accepted samples are prepared emulating the practices of the average consumer to more closely represent actual exposure to residues. Fresh samples are prepared as follows: (1) apples and pears are washed with stems and cores removed; (2) cantaloupes are cut in half and seeds and rinds are removed: (3) cauliflower is washed and the wrapper leaves are removed; (4) eggplant and winter squash are washed and end pieces are removed; (5) grapes and green beans are washed and stems and extraneous materials are removed; (6) grapefruit and oranges are peeled and excess white membrane is removed; (7) lettuce is washed, wrapper leaves are removed (head lettuce only), and damaged portions are removed; (8) plums are washed, the stems and leaves removed, and pitted; (9) strawberries are rinsed and stems and leaves are removed; and (10) watermelon is quartered and the rind removed; for large watermelon, alternate quarters of each fruit are homogenized (rind removed).

Processed samples are prepared as follows: (1) frozen green beans are homogenized with their entire contents, including any liquid present; (2) fresh and reconstituted orange juice samples are mixed until homogeneous; and (3) dried plums are mixed to ensure homogeneity.

Laboratories are permitted to refrigerate incoming fresh fruit and vegetable samples of the same commodity for up to 72 hours to allow for different sample arrival times from collection sites. Frozen and canned commodities may be held in storage (freezer or shelf) until the entire sample set is ready for analysis. Samples are homogenized using choppers and/or blenders and are separated into analytical portions (aliquots) for analysis. If testing cannot be performed immediately, the entire analytical set is frozen at -40°C or lower, according to PDP's Quality Assurance/Quality Control (QA/QC) require-ments. Surplus aliquots not used for the initial testing are retained frozen in the event that replication of analysis or verification testing is required.

For analysis of fruit and vegetables, residues are extracted using organic solvents followed by various cleanup procedures such as Solid Phase Extraction (SPE). The California, Florida (Winter Haven), and Washington laboratories used modifications of the MRM developed by the California Department of Food and Agriculture (CDFA). The New York laboratory used a method based on the Agriculture and Agri-Food Canada SPE method with some modifications based on the Luke procedure. The Florida (Tallahassee) and Michigan laboratories used a modified version of the QuEChERS method, developed and published in July 2003 by USDA's Agricultural Research Service. The Ohio laboratory used variations and combinations of the FDA Luke I [Section 302 of Pesticide Analytical Manual (PAM) I] and Luke II [FDA Laboratory Information Bulletin (LIB) 3896] extraction procedures. The Texas laboratory used its adaptation of the Luke procedures for cantaloupe and winter squash and the CDFA method for watermelon. The Texas laboratory plans a full switch to the CDFA method as new commodities come into the program. All MRMs are determined, prior to use and through appropriate method validation procedures, to produce equivalent data for PDP analytical purposes.

Gas Chromatography (GC) and Liquid Chromatography (LC), coupled with selective detectors and Mass Spectrometry (MS) systems, are used for the initial identification and quantitation of pesticides. Laboratories are increasing their use of GC- and LC-MS systems and are specifically focusing on LC/MS-MS techniques to broaden the scope of testing and to keep pace with emerging analyte chemistries. All residues initially identified must be verified. Confirmation is accomplished by MS, alternate detection systems, or alternate chromatographic behavior. Verification is considered crucial due to the complexity of commodity matrices and the low concentrations of detected residues. The verification process provides an extra measure of confidence in the identification of the analyte and its concentration.

Triazoles – Strawberries: The Michigan laboratory analyzed strawberries for three common metabolites of the triazole fungicides: 1,2,4-triazole, triazole acetic acid, and triazole alanine. The analyses were performed using LC coupled with tandem MS in order to achieve the low parts per billion (ppb) detection limits required for dietary risk assessment. Testing for the three common metabolites required development of special analytical techniques in addition to the more conventional PDP multiresidue methods.

Soybeans and Wheat

The USDA GIPSA laboratory in Kansas City, Missouri, analyzed soybean samples for 83 parent pesticides, metabolites, and isomers and wheat samples for 71 parent pesticides, metabolites, and isomers. On arrival at the testing facility, samples were visually examined for acceptability and discarded if moldy or infested. Samples were ground before being analyzed and surplus sample aliquots, not used for the initial testing, were retained in the event that replication of analysis or verification testing was required. Extraction of soybean and wheat samples was accomplished using solvent extraction and SPE cleanup coupled with MS detection.

Soybean Rust/Aphid Special Survey

During October through December 2005, the USDA GIPSA laboratory also performed a special survey to monitor soybeans for 14 identified compounds used to combat soybean rust - azoxystrobin, boscalid, cyproconazole, difenoconazole, epoxiconazole, fenarimol, fluquinconazole, flutriafol, myclobutanil, propiconazole, pyraclostrobin, tebuconazole, tetraconazole, and trifloxystrobin. In addition, the laboratory analyzed for two compounds used to control Chinese aphid, pymetrozine and thiamethoxam. A specialized method was developed in order to optimize recovery of the 16 compounds. Ground samples were extracted with organic solvent and cleaned using a combined SPE procedure. Analysis was performed using LC/MS-MS.

Milk and Heavy Cream

The AMS NSL in Gastonia, North Carolina, tested milk and heavy cream samples for 88 parent pesticides, metabolites, degradates, and isomers. For milk, 1-quart to 1-gallon samples were collected and for cream, 1-pint cartons were collected for shipment to the testing facility. Upon arrival at the testing facility, samples were visually examined for acceptability and discarded if spoiled or if the containers had been ruptured during shipping. Samples were refrigerated until sample aliquots were taken, after which the aliquots were frozen (-70° C) prior to analysis. Because the milk and cream samples received were homogenized, further mixing at the laboratory was not required. A 100-gram aliquot was weighed for milk and a 10-gram aliquot was weighed for cream followed by organic solvent extraction and sample cleanup using ultra-low refrigeration (-70°C). centrifugation, and dispersive SPE. For both milk and cream, three extra sample aliquots were weighed, frozen, and kept in reserve in the event that replication of analysis or verification testing was required. Surplus milk and cream remaining after the four aliquots were taken was then discarded. Samples were analyzed using GC with MS detection and selective detectors and high performance liquid chromatography (HPLC) with post-column derivatization and fluorescence detection.

Pork (Adipose and Muscle)

The AMS NSL also tested pork adipose samples for 133 parent pesticides, metabolites, degradates, and isomers and pork muscle samples for 121 parent pesticides, metabolites, degradates, and isomers. For both pork adipose and pork muscle, approximately 1-pound samples were collected for shipment to the testing facility. Upon arrival at the testing facility, samples were visually examined for acceptability and discarded if warm to the touch, spoiled, or leaking. If not homogenized immediately after arrival, samples were frozen at 0°C or lower until homogenized. The tissue samples were homogenized by grinding with dry ice in a large,

high-speed food processor. The sample homogenates were placed into sample cups (approximately 60 grams per cup) and allowed to sublime at -20°C overnight before being stored at -70°C prior to analysis. A 20-gram aliquot was weighed for pork muscle and a 10-gram aliquot was weighed for pork adipose followed by organic solvent extraction and sample cleanup using ultra-low refrigeration (-70°C), centrifugation, and dispersive SPE. For both pork muscle and adipose tissues, two extra sample homogenate cups, not used for the initial testing, were retained frozen in the event that replication of analysis or verification testing was required. Surplus pork tissue homogenate remaining after the three sample cups were filled was then discarded. Samples were analyzed using GC-MS and selective detectors and LC/ MS-MS.

Bottled Water

The Minnesota laboratory analyzed bottled water for 82 parent pesticides, metabolites, and isomers. These compounds were determined to be of interest to EPA based on data needs for risk assessment as required under FQPA. Upon arrival at the testing laboratory, samples were visually examined for acceptability (within labeled expiration date, no leakage). Samples were refrigerated until time of analysis. One liter of the sample provided was extracted for compounds amenable to GC analysis and one for chloroacetanilide compounds to be analyzed via LC/MS-MS.

Drinking Water

The Colorado, Montana, and New York laboratories analyzed drinking water for 222 parent pesticides, metabolites, degradates, and isomers. These compounds were determined to be of interest to EPA. Paired samples of the raw intake water (untreated) and disinfected finished drinking water (treated) were collected for analysis. Treated water samples were collected after the untreated samples at a time interval consistent with the hydraulic residence. Hydraulic residence is the average time from entry into the treatment facility until distribution as treated water. Each sample consisted of three 1-liter amber glass bottles collected at the water treatment facility. Upon arrival at the testing laboratory, samples were visually examined for acceptability and discarded if warm to the touch or leaking. Samples were refrigerated until time of analysis and extracted within 96 hours of collection. A 1-liter bottle was extracted for compounds amenable to GC analysis and another one for compounds amenable to LC analysis. The remaining bottle was held in reserve or extracted for specialty compounds requiring separate extraction/analytical procedures [e.g., ethane sulfonic acid (ESA) and oxanilic acid (OA) analogs of alachlor, acetochlor, and metolachlor]. Extraction methods used were based on SPE methods developed by the U.S. Geological Survey (USGS) and were independently validated by each testing laboratory. Samples were analyzed using MS detection (single and tandem GC and LC technologies), selective detectors, or post-column derivatization HPLC detection systems.

Quality Assurance Program

The primary objectives of the QA/QC program are to ensure the reliability of PDP data and the performance equivalency of the participating laboratories. Direction for the PDP QA program is provided through SOPs based on EPA Good Laboratory Practices (GLPs). Written SOPs provide uniform administrative, sampling, and laboratory procedures. SOPs are revised annually to accommodate changes in the program. As laboratories continue to move toward accreditation to ISO 17025, program SOPs are being modified to align with these ISO requirements. Prior to submission to PDP, data are reviewed by each Quality Assurance Unit (QAU) for completeness and adherence to PDP requirements.

Laboratory Technical Advisory Group and Quality Assurance Officers: A Technical Advisory Group comprised of laboratory Technical Program Managers (TPMs) and Quality Assurance Officers (QAOs) is responsible for annually reviewing program SOPs and addressing QA issues. For day-to-day QA oversight, PDP relies on the QAU at each participating facility. As required under EPA GLPs, the QAU operates independently from the laboratory staff and is responsible for performing quarterly internal program audits. Preliminary data review procedures are performed on-site by each laboratory's QAU. Final review procedures are performed by PDP staff who are responsible for collating and reviewing data for conformance with SOPs.

<u>Method Performance Requirements</u>: Laboratories are required to determine and verify the limits of detection (LODs) and limits of quantitation (LOQs) for each pesticide/commodity pair. LODs depend on matrix, analyte, and detector used. LODs for each pesticide/commodity pair are shown in the applicable crop results appendix. Additional method performance/validation requirements include modules for consistent instrument response (linearity), method range, and precision and accuracy.

<u>Confirmation:</u> Verification by MS or a suitable alternate detection system is required for all preliminary results. Verified residue amounts greater than or equal to LOD and below LOQ are reported as below quantifiable level (BQL). BQLs are assigned values at one-half the LOQ, and are used along with values greater than or equal to LOQ and non-detects in dietary risk assessments, when appropriate.

Routine Quality Control Procedures: PDP procedures for QC are intended to assess method and analyst performance during sample preparation, clean-up, extraction, and, where applicable, derivatization. To maximize sample output and decrease the QC/sample ratio, samples are analyzed in analytical sets that include the test samples and the following components:

Reagent Blank - For analysis of fruit and vegetables, soybeans, wheat, milk, heavy cream, and pork, an amount of distilled water, equivalent to the natural moisture content of the commodity, is run through the entire analytical process to confirm glassware cleanliness and system integrity.

Matrix Blank - A previously analyzed sample of the same commodity, which contains either very low concentrations of known residues or no detectable residues, is divided into two portions. The first portion is used to determine background information on naturally occurring chemicals and the second is used to prepare a matrix spike.

Matrix Spike(s) - Prior to extraction, a portion of matrix blank is spiked with marker pesticides to determine the precision and accuracy of the analyst and instrument performance. Marker pesticides are compounds selected from different pesticide classes (e.g., organochlorines, organophosphates, carbamates, conazoles, imidazolinones, neonicotinyls, phenoxy herbicides. pyrethroids. strobilurins, acid triazines), which have physical and chemical characteristics similar to those in the class they represent. Marker pesticides are used to monitor recovery instead of spiking all pesticides. This use of marker pesticides optimizes the resources required to analyze the thousands of analyte/matrix combinations in the program while still allowing evaluation of daily recovery patterns. In addition, each laboratory must perform matrix spikes throughout the year for each analyte/crop combination reported by their laboratory. During 2005, PDP laboratories quantitated a total of 43,059 matrix spikes, with an overall mean recovery of 91 percent and an overall percent coefficient of variation (% C.V.) of 26 percent. The % C.V. is calculated as the standard deviation divided by the mean.

Process Control Spike - A compound with physical and chemical characteristics similar to those of the pesticides being tested is used to evaluate the analytical process on a sample-bysample basis. Each of the analytical set components, except the reagent and matrix blanks, is spiked with process controls. During 2005, PDP laboratories quantitated a total of 54,997 process controls on 14,749 samples, with an overall mean recovery of 96 percent and an overall % C.V. of 19 percent. Of these process controls, 327 (0.59 percent) were rerun due to initial failure to meet PDP recovery criteria. These rerun values are not included in these statistics.

Proficiency Testing: All facilities are required to participate in PDP's Proficiency Testing (PT) program. For laboratories testing fresh and processed fruit and vegetables, grains, dairy products, and meats, multiresidue test samples containing pesticides of known quantities are periodically issued and analyzed under the same conditions as routine samples. The resulting data are used to determine performance equivalency among the testing laboratories and to evaluate individual laboratory performance. During 2005, PDP laboratories received 5 multiresidue fruit and vegetable proficiency testing sets consisting of 15 samples, 1 soybean and 1 wheat set each consisting of 3 samples, and 1 milk and 1 heavy cream set each consisting of 3 samples. For fruit and vegetable multiresidue screening, the 15 samples comprised 5 commodities and were fortified with 58 compounds at levels generally 1 to 10 times the LOQ. Five compounds were repeated once. Reported results for fruit and vegetable samples yielded an overall mean recovery of 95 percent and an overall % C.V. of 17 percent.

Additionally, PDP laboratories participated in the international AOAC[®] proficiency testing program. During 2005, PDP laboratories participated in two test rounds, one for apples and one for strawberries. Each sample set was fortified with 10 pesticides. Laboratories were evaluated based on z-scores for reported compounds, as well as any reported false negatives or false positives. Laboratories were not held responsible for reporting compounds not included in their routine screening method. Overall, PDP laboratories performed as well or better than other participating laboratories.

For water, two proficiency sample sets were analyzed during 2005. For the first set, a commercial vendor supplied PT solutions to the testing laboratories. Solution profiles were based on common laboratory analytical profiles and detection limits. Test solutions were used for spiking, rather than distribution of spiked samples, due to stability concerns. For each PT set, the vendor supplied the laboratory's OAU with a custom solution that was diluted according to program protocols by the onsite OAU and fortified into one liter of unfiltered tap water. The spiked samples were then presented to the staff members of each respective laboratory for analysis. For the other drinking water set, replicate samples from a site whose samples historically contained multiple pesticides were sent to each of the water-testing laboratories and reported results compared.

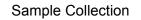
On-site Reviews: PDP staff performs on-site visits to determine compliance with PDP SOPs. Improvements in sampling, chain-of-custody, laboratory, recordkeeping, and electronic data transmission procedures are made as a result of on-site reviews.

IV. Database Management

PDP maintains an electronic database at the MPO in Manassas, Virginia, that serves as a central data repository. The data captured and stored in the PDP database include sample collection and product information, residue findings, and process control recoveries for each sample analyzed, in addition to QA/QC fortified recoveries for each set of samples. Each calendar-year survey is stored in a separate database structure, allowing easier administration and data reporting. The PDP data path is illustrated in Figure 9.

Electronic Data Path

PDP utilizes the Remote Data Entry (RDE) system, which is a customized software application that allows participating State and Federal laboratories to enter and transmit data electronically. The RDE system is centralized with all user interface software and database files residing in Washington, D.C. The laboratory users need only a Web browser to interface with the RDE system. Access is controlled through separate user login/password accounts and user access rights for the various system functions based on position requirements. The RDE



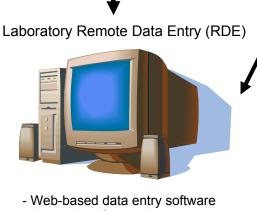


- Collection in 10 States
- Samples taken close to consumer
- Standardized Sample Information Form
- Data entry on handheld/laptop computers





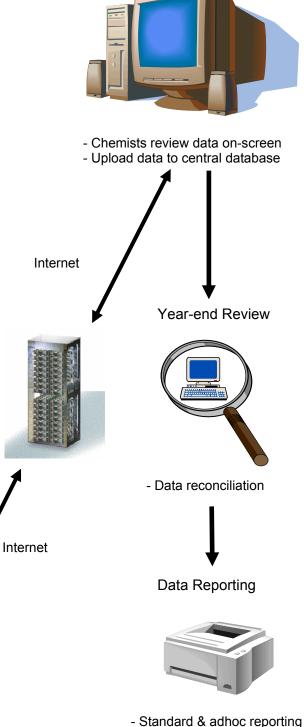
- 10 State labs + 2 USDA labs
- Fruit and vegetable samples prepared for consumption
- Detect residues at low levels
- Pesticide residue data generated
- Multi-tiered QA data review process



- Import data from other systems

- Access controlled by user login
- Extensive data cross-checks

Data Review at HQ



- Annual Summary
- Custom data sets

Figure 9. PDP Data Pathway. An illustration of PDP data path from sample collection through laboratory analysis and reporting.

system utilizes Secure Sockets Layer (SSL) technology to encrypt all data passed between users' computers and the central Web server.

A separate Windows[®]-based system allows sample collectors to capture the standardized SIF electronically on handheld or laptop computers. The e-SIF system generates formatted text files containing sample information that are e-mailed to PDP headquarters and then imported into the Web-based RDE system.

The RDE data entry screens have extensive editing functions and cross-checks built into the software to ensure that valid values are entered for all critical data elements. This task is made easier by the practice of capturing and storing standardized codes for all critical alphanumeric data elements rather than their complete names, meanings, or descriptions. This coding scheme allows for faster and more accurate data entry, saves disk storage space, and allows the user to perform adhoc queries (data searches) on the database easily. The data entry screens also perform automatic edits on numeric fields, dates, and other character fields to ensure that entries are within prescribed boundaries.

At PDP headquarters, the RDE system allows staff chemists to review the data on-line and then to mark the data as ready-for-upload to the central PDP database. A separate upload application converts and passes the data to the PDP database which is presently maintained using Microsoft[®] Access in a Windows[®] operating environment. Access to the central PDP database is limited to PDP staff personnel only and is controlled through password protection and user access rights. System backups are performed each night and back-up tapes are sent to off-site storage once a week.

Data Reporting

The PDP staff frequently receives requests for data from Government agencies and interested outside parties. Ad-hoc queries and custom reports are generated to fill such requests. An electronic library of data queries is maintained to generate standardized data summaries, including the data tables, charts, and appendices in this annual summary. Subsets of the PDP calendar-year databases are made available for download from the PDP Website. The data files on the Website are fixed-length text files that contain a portion of the sampling data, all of the reported residue findings, and reference lists that can be used to interpret the standardized codes used in the PDP data. The data files can be imported into defined database structures and manipulated with the use of common database management software packages.

V. Sample Results and Discussion

Sample Results

In 2005, PDP conducted surveys on a variety of foods including fresh and processed fruit and vegetables, soybeans, wheat, milk, heavy cream, pork, bottled water, and drinking water. Of the 14,749 samples that were collected and analyzed, 10,154 were fruit and vegetable commodities, 668 were soybean samples, 306 were soybean rust/aphid survey samples, 674 were wheat samples, 746 were milk samples, 369 were heavy cream samples, 704 were pork samples, 378 were bottled water samples, and 750 were drinking water samples.

Excluding drinking water samples, which were all from U.S. sources, approximately 84 percent of all samples were produced in the U.S., 14 percent were imports, approximately 1 percent were of mixed origin, and about 1 percent were of unknown origin. Appendix K shows the distribution of sample origin by State or country. Of the domestic samples, approximately 40 percent (4,614 of 11,737) were grown, packed, and/or distributed in or from California. Approximately 21 percent (155 of 744) of the orange juice samples were of mixed national origin (i.e., the juice was comprised of oranges grown in more than one country). Appendix L includes a comparison of residues for selected commodities with a significant import component.

Table 3 gives an overview of the number of residue detections for fresh and processed fruit and vegetables, grains, dairy, meat and water products determined during 2005. Overall 73 percent of fresh fruit and vegetables and 61 percent of processed fruit and vegetables showed detectable residues. The percent of samples with detections ranged from 13 percent (dried plums) to 98 percent (apples). Residues were detected in 22 percent of the soybean samples, 75 percent of the wheat samples, 99 percent of the milk samples, 99 percent of the heavy cream samples, 8 percent of the pork samples, and 16 percent of the bottled water samples. Residue findings in heavy cream and milk were primarily low level of diphenylamine detections and the unavoidable environmental contaminants DDE p,p' and dieldrin.

Appendix B tabulates the distribution of residues in fruit and vegetables for the complete 2005 data set. Information included in this appendix are: number of samples analyzed for a particular compound; number and percent of samples with detections; range of concentrations detected: tolerance violations; range of analytical LODs; EPA tolerance levels or FDA action levels; and corresponding Codex Alimentarius MRLs and/or extraneous maximum residue limits (EMRLs), when applicable. Appendices C, D, E, F, G, H, I, and J provide the distribution of residues for soybeans, soybean rust/aphid special survey, wheat, milk, heavy cream, pork, bottled water, and drinking water, respectively. The individual sample data can be downloaded from the PDP Website or obtained by contacting MPO.

In 2005, PDP also completed a special study of triazole fungicides and metabolites begun in 2003 at the request of EPA. Michigan analyzed more than 500 strawberry samples for parent triazoles and common triazole metabolites. Triazole alanine was detected in 11.1 percent of the samples and 1,2,4-triazole was detected in less than 1 percent of the samples. Parent triazoles myclobutanil and triflumizole were detected in 34.7 and 1.4 percent of samples

respectively. Triadimefon and triazole acetic acid were not detected.

Food monitoring data, together with dietary consumption surveys, are used by EPA to estimate dietary exposure to pesticides to ensure the safety of existing pesticide uses. EPA uses all results reported by PDP, including sample results reported as below the LOD and those above the tolerance. PDP laboratories are required to establish LODs and report any instrumental response below the LOD as a non-detect. LODs are established experimentally for each pesticide/commodity pair and are reported with each data set. The number of non-detects can be used in conjunction with percent crop treated data to determine what proportion of these values may be counted as zero towards the dietary exposure. As shown in Table 3, 33.7 percent of the samples (excluding drinking water and sovbean rust/aphid samples) were reported as having no residue detections (i.e., results were below the established LOD). For samples containing residues, the vast majority of the detections were well below established tolerances.

Fresh vs. Processed

The 2005 residue data, as in past years, show that residue profiles for fresh products are significantly different than for processed products. Raw agricultural commodities, if specifically grown for processing into juice for example, could receive different treatments than products destined for fresh market. An increase in residue levels (concentration) or reduction in residue levels is likely a direct result of processing effects such as cooking, pasteurization, and other processing steps. A comparison of residues for selected fresh and processed products is shown in Table 4.

For fresh and/or frozen green beans, detection of pesticides in greater than 10 percent of the samples included acephate, bifenthrin, chlorothalonil, endosulfan I, endosulfan II, endosulfan sulfate, methamidophos, and

	Number of Samples Analyzed	Samples with Residues Detected	Percent of Samples with Detections	Different Pesticides Detected	Different Residues Detected	Total Residue Detections
resh Fruit and Vegetables	<u>s:</u>					
Apples	743	727	98	36	43	2,643
Cantaloupe	558	288	52	22	27	445
Cauliflower	741	650	88	16	17	816
Eggplant	736	172	23	15	18	315
Grapefruit	742	470	63	11	13	643
Grapes	739	520	70	31	34	1,250
Green Beans	181	166	92	18	22	536
Lettuce	743	696	94	43	52	2,475
Oranges	741	670	90	14	16	1,195
Pears	555	473	85	25	29	979
Plums	573	426	74	16	16	652
Strawberries	737	685	93	30	39	1,938
Watermelon	182	70	38	12	14	101
Winter Squash	731	313	43	25	30	452
TOTAL FRESH	8,702	6,326	73			14,440
rocessed Fruit and Vege	tables:					
Green Beans, Frozen	555	431	78	18	19	756
Orange Juice	744	430	58	9	10	459
Plums, Dried (Prunes)	153	20	13	7	7	25
TOTAL PROCESSED	1,452	881	61			1,240
Number of Samples with Percent with Residue De			Total Numb	er of Different F	esidues Deter	
Grain Product:		0%	Total Numb	er of Residue D		
	668	0%	Total Number	er of Residue D		
Grain Product:					etections = 15	,680
Grain Product: Soybeans	668	144	22	9	etections = 15 9	,680
Grain Product: Soybeans Wheat TOTAL GRAIN	668 674	144 508	22 75	9	etections = 15 9	,680 150 750
Grain Product: Soybeans Wheat TOTAL GRAIN	668 674	144 508	22 75	9	etections = 15 9	,680 150 750
Grain Product: Soybeans Wheat TOTAL GRAIN Dairy Product:	668 674 1,342	144 508 652	22 75 49	9 18	9 18	150 750 900
Grain Product: Soybeans Wheat TOTAL GRAIN Dairy Product: Heavy Cream	668 674 1,342 369	144 508 652 366	22 75 49 99	9 18 9	9 18 11	680 150 750 900 901
Grain Product: Soybeans Wheat TOTAL GRAIN Dairy Product: Heavy Cream Milk	668 674 1,342 369 746	144 508 652 366 738	22 75 49 99 99	9 18 9	9 18 11	,680 150 750 900 901 1,857
Grain Product: Soybeans Wheat TOTAL GRAIN Dairy Product: Heavy Cream Milk TOTAL DAIRY	668 674 1,342 369 746	144 508 652 366 738	22 75 49 99 99	9 18 9	9 18 11	,680 150 750 900 901 1,857
Grain Product: Soybeans Wheat TOTAL GRAIN Dairy Product: Heavy Cream Milk TOTAL DAIRY Meat Tissues: Pork, Adipose	668 674 1,342 369 746 1,115	144 508 652 366 738 1,104 40	22 75 49 99 99 99 99 11	9 18 9 12	9 18 11 12	680 150 750 900 901 1,857 2,758
Grain Product: Soybeans Wheat TOTAL GRAIN Dairy Product: Heavy Cream Milk TOTAL DAIRY Meat Tissues:	668 674 1,342 369 746 1,115 352	144 508 652 366 738 1,104	22 75 49 99 99 99 99	9 18 9 12 7	9 18 11 12 8	150 750 900 901 1,857 2,758 50
Grain Product: Soybeans Wheat TOTAL GRAIN Dairy Product: Heavy Cream Milk TOTAL DAIRY Meat Tissues: Pork, Adipose Pork, Muscle TOTAL MEAT	668 674 1,342 369 746 1,115 352 352	144 508 652 366 738 1,104 40 18	22 75 49 99 99 99 99 11 5	9 18 9 12 7	9 18 11 12 8	680 150 750 900 901 1,857 2,758 50 20
Grain Product: Soybeans Wheat TOTAL GRAIN Dairy Product: Heavy Cream Milk TOTAL DAIRY Meat Tissues: Pork, Adipose Pork, Muscle	668 674 1,342 369 746 1,115 352 352	144 508 652 366 738 1,104 40 18	22 75 49 99 99 99 99 11 5	9 18 9 12 7	9 18 11 12 8	680 150 750 900 901 1,857 2,758 50 20

Table 3. Number of Samples Analyzed and Summary of Residues Detected by Commodity. The distinction between the number of pesticides and different residues is made to differentiate a parent compound and its metabolite(s). A parent compound and its metabolites are reported as a single pesticide detection rather than as separate residue detections.

	GREEN E	BEANS Fre	esh (2005)	GREEN BEANS Frozen (2005)			
Pesticide	% of Samples with Detects	Minimum Value Detected, ppm	Maximum Value Detected, ppm	% of Samples with Detects	Minimum Value Detected, ppm	Maximum Value Detected, ppm	
Acephate	21.0	0.003	3.0	26.8	0.003	0.88	
Bifenthrin	2.8	0.013	0.39	12.6	0.013	0.093	
Chlorothalonil	35.9	0.003	3.9	0	0	0	
Endosulfan I	43.6	0.003	0.13	0	0	0	
Endosulfan II	32.0	0.003	0.15	0	0	0	
Endosulfan sulfate	58.6	0.003	0.47	0.7	0.003	0.003	
Methamidophos	24.9	0.003	1.0	25.4	0.003	0.27	
Vinclozolin	0	0	0	47.4	0.004	0.4	
	ORANG	GES Fresh	(2005)	ORA	NGE JUICE	(2005)	
Imazalil	74.2	0.050	0.79	1.5	0.050	0.25	
o-Phenylphenol	34.3	0.017	0.084	52.0	0.017	0.096	
Thiabendazole	43.7	0.050	0.61	0.5	0.05	0.23	
	PLUN	IS Fresh (2	2005)	PLU	MS Dried (2005)	
Fludioxonil	20.6	0.18	1.0	0	0	0	
Iprodione	39.6	0.065	7.1	0	0	0	
Phosmet	19.4	0.005	0.58	0	0	0	

Table 4. Selected Residue Comparisons for Fresh and Processed Commodities. The percentage of samples with detections and the range of reported values for selected pesticides recovered from fresh vs. processed green beans, oranges and plums are shown. Commodity/residue pairs were selected based on the following criteria: data availability for fresh and processed product within the same sampling timeframe; greater than 10% detection rate for a residue in either the fresh or processed commodity; and number of samples analyzed sufficient to ensure adequate representation.

vinclozolin. Acephate and methamidophos detections were essentially the same in the fresh green beans and frozen green beans. Chlorothalonil, endosulfan I, and endosulfan II were detected in fresh green beans, whereas there were no detections of these compounds in frozen green beans. Endosulfan sulfate was present in 58.6 percent of fresh green beans but was detected in only 0.7 percent of frozen green beans. In contrast, vinclozolin was detected in frozen green beans, but not the fresh product, and detections of bifenthrin were higher in the frozen green beans than in the fresh product.

A direct comparison of fresh oranges to orange juice can be problematic. Not only may

oranges specifically grown for processing into juice receive different treatments than products destined for the fresh market, but entirely different varieties are grown specifically for juice production and may be treated completely differently from fresh market oranges. Approximately 21 percent of orange juice samples were comprised of juice from oranges grown in different countries. Ortho-phenylphenol was found in 52.0 percent of the orange juice samples and in 34.4 percent of the fresh product. In contrast, imazalil was found in 1.5 percent of the juice and on 74.2 percent of fresh oranges. Thiabendazole was detected in less than 1 percent of the juice samples but was detected in 43.7 percent of fresh oranges. Results for fresh plums are compared to findings for dried plums in Table 4. Fludioxonil (20.6%), iprodione (39.6%), and phosmet (19.4%) were detected in fresh plums. None of these compounds were detected in the dried product.

Fludioxonil was found in fresh plums but not dried; the highest residue detected was 1.0 parts per million (ppm) or 20 percent of the tolerance. Iprodione was found in fresh plums but not dried; the highest residue detected was 7.1 ppm or 36 percent of the tolerance. Phosmet was found in fresh plums but not dried; the highest residue detected was 0.58 ppm or 12 percent of the tolerance.

Import vs. Domestic Residue Comparisons

Information about the origin of each PDP sample is recorded when the sample is collected. Figure 3 illustrates the portion of the domestic and import component for each PDP fruit and vegetable commodity in 2005. The data generated by PDP reflect pesticide residues in foods available to the U.S. consumer, including both domestic and imported products. Many commodities are almost entirely of domestic origin with only a minor import component. However, some fresh commodifies, such as cantaloupe, eggplant, grapes, green beans, pears, plums, watermelon, and winter squash are from domestic growers part of the year and are imported during the remaining months. Comparisons of selected residues detected in imported versus domestic winter squash, grapes, and cantaloupe can be found in Appendix L.

Overall, samples of domestic winter squash had higher percent detections than those from Mexico. Samples of grapes from Chile and cantaloupes from Central America showed higher percent detections than the respective domestic samples. These sample sets were selected to compare data where residues are present in greater than 10 percent of the commodity and allow comparison of individual residues. These data also showed that the residue profile for domestic and imported crops was significantly different.

The winter squash data in Appendix L indicate that in 2005, residues were detected in 43.4 percent of the domestic samples and 38.0 percent of the Mexican samples. Dieldrin was detected in almost 12 percent of the domestic samples but was not detected in any of the samples from Mexico. Endosulfan sulfate was detected more frequently in the Mexican winter squash samples (22.1%) than domestic winter squash samples (11.3%). Ortho-phenylphenol was detected at similar rates in both the domestic and Mexican winter squash samples (19.1% and 20.0% respectively).

For grapes, 87.6 percent of the Chilean samples and 63.9 percent of the domestic samples had residues detected in 2004-2005. Captan, chlorpyrifos, cyprodinil, fludioxonil, and iprodione were detected more often in the imported grape samples than the domestic grape samples. For example, captan residues were detected in 41.2 percent of the Chilean grape samples compared to 2.5 percent of the domestic samples. Conversely, ethephon and myclobutanil were detected more often in the domestic grape samples than in the Chilean grape samples. Ethephon residues were detected in 17.3 percent of the Chilean samples compared to 57.0 percent of the domestic grape samples. Imidacloprid was detected at similar rates in both the domestic (15.8%) and Chilean grape samples (14.0%).

For cantaloupe, 37.5 percent of the domestic product had residues compared to 74.6 percent of the Central American (Costa Rica, Guatemala, Honduras, and Nicaragua) samples in 2003-2005. Cantaloupe samples from Central America had more residues of endosulfan sulfate and methomyl than samples from the U.S.

National Estimates

National estimates for selected pesticide/ commodity pairs are shown in Appendix M. In most cases for each pair, the levels of detected residues are a small fraction of the tolerance level. A range of values for the average sample residue concentration (mean) for each pair is provided. The lower value for the range is determined by treating a sample without detectable residues as if it had a residue concentration equal to zero. The upper value is determined by treating such a sample as if it had a residue concentration equal to the LOD. Calculations for the 50th, 75th, and 90th percentiles for each of the selected pairs are shown. The ratio of the 90th percentile to the tolerance, as a normalization factor, is also provided. Percent detections and percentiles for apples, cantaloupe, cauliflower, eggplant, grapefruit, grapes, lettuce, oranges, pears, plums, strawberries, and winter squash were weighted to reflect monthly variations in marketing. No weighting adjustments were made for frozen green beans, heavy cream, milk, orange juice, soybeans, or wheat.

Appendix N displays the estimated distributions of 12 representative pesticide/commodity pairs. These graphs depict that the overwhelming majority of pesticide testing results and the respective means (average values) are at low concentrations. The range of values, the median at the 50th percentile, and the range in percentile representing the lower and upper bound for the sample mean are shown on each chart. The pesticide/commodity pairs included in Appendix N are thiabendazole/apples, imidacloprid/ cauliflower, imazalil/grapefruit, vinclozolin/ frozen green beans, imazalil/oranges, DCPA/ lettuce, azinphos methyl/pears, iprodione/ plums, captan/strawberries, THPI/strawberries, DDE p,p'/heavy cream, and malathion/wheat. In some cases, there is convergence of the mean upper and lower bound into a single line due to the insignificant differences between them (e.g., captan/strawberries).

Soybean Rust/Aphid Results

In 2005, PDP conducted a special survey of compounds used on soybeans to treat rust and the Chinese aphid. The GIPSA laboratory analyzed more than 300 samples for 14 fungicides used to treat soybean rust and 2

insecticides used to control the Chinese aphid. The fungicide pyraclostrobin was detected in 2 percent of the samples. The highest residue detected was 2 parts per billion (ppb) or 5 percent of the tolerance for pyraclostrobin. No other compounds were detected. Appendix D provides the results for the soybean special survey.

Postharvest Applications

Pesticides can be applied before and after harvest depending on the crop and approved label use. PDP data capture both preharvest and postharvest uses because samples are collected at points when all pesticide applications have already occurred. Pesticides applied postharvest are used primarily as fungicides, but some insecticides and sprouting inhibitors are important postharvest crop treatments. Some detections reported in Appendix B were most likely generated by postharvest applications to the raw agricultural commodity.

Environmental Contaminants

DDT, DDD, and DDE

A total of 9,417 fruit and vegetable (Appendix B), 522 soybean (Appendix C), 674 wheat (Appendix E), 746 milk samples (Appendix F), 369 heavy cream samples (Appendix G), and 352 pork adipose samples (Appendix H) were screened for DDE p,p', a metabolite of DDT. Other DDT metabolites measured only in fruit and vegetables and pork adipose include DDD o,p' and DDD p,p'. Use of DDT has been prohibited in the U.S. since 1972; however, due to its persistence in the environment, residues of the DDE p,p' metabolite were detected in 1.2 percent (112 detections in 9,417 samples) of the fruit and vegetable samples tested. Residues of DDE p,p' were found in green beans (1.1%), lettuce (14.7%), winter squash (0.1%), milk (85.4%), heavy cream (86.7%), and pork adipose (7.1%). The highest residue of DDE p,p' found in heavy cream was 37 ppb or 3 percent of the established action level. Residues of DDT o,p' and DDT p,p' were detected in

lettuce (0.6% and 0.4% respectively). Residues of DDT p,p' were detected in cauliflower (0.1%) and winter squash (0.5%). These finding are largely attributable to the recent improvements in analytical technologies and associated lower detection limits. All detections of DDT and its metabolites were well below the established action levels.

OTHER EXTRANEOUS PESTICIDES

In 1974, all aldrin and dieldrin uses were canceled in the U.S., and in 1978, all heptachlor uses were canceled. In 1986, chlordane uses, except termiticide uses, were canceled. Despite these cancellations and due to their persistence in the environment, residues of dieldrin were detected in cantaloupe, watermelon, winter squash, milk, and heavy cream in 2005. Dieldrin was found in 33.1 percent of heavy cream samples, 23.2 percent of milk samples, 6.6 percent of winter squash samples, 1.3 percent of cantaloupe samples, and less than 1 percent of the watermelon samples. One percent of winter squash contained heptachlor epoxide, a metabolite of heptachlor. Cis and trans chlordane were detected in 1.5 and 1 percent of the winter squash samples, respectively. All detections were below the established action levels. No residues of aldrin were detected in fruit and vegetables, pork, or soybeans. Oxychlordane, a chlordane metabolite, was not detected in any of the 1,796 fruit or vegetable samples analyzed.

Multiple Pesticide Residue Detections

By virtue of the MRMs employed, PDP provides novel data that can be used by EPA in evaluating exposure to multiple residues from the same commodity. The data are crucial for assessments which consider cumulative exposure to pesticides determined to have common mechanisms of toxicity. The distribution of multiple pesticides occurring in samples tested during 2005 is presented in Appendix O.

These data indicate that approximately 34 percent of all samples tested contained no detectable pesticides [parent compound and

metabolite(s) are combined], 30 percent contained 1 pesticide, and 36 percent contained more than 1 pesticide. Parent compounds and their metabolites are combined to report the number of "pesticides" rather than the number of "residues," as was reported in summaries prior to 2003. For example, a sample with positive detections for Endosulfan I, II, and sulfate would have been counted as three residues in the 2002 Appendix L. That sample would be counted as just one pesticide detected in this Summary's Appendix O.

Most multiple residue detections result from the application of more than one pesticide on a crop during a growing season; however, a number of other factors could contribute to multiple detections. Pesticide spray drift, residue transfer through crop rotation, crosscontamination at packing facilities, and/or presence of persistent environmental contaminants could all contribute to residue detections.

Tolerance Violations

A tolerance is defined under Section 408 of the Federal Food, Drug, and Cosmetic Act as the maximum quantity of a pesticide residue allowable on a raw agricultural commodity. Tolerances are also applicable to processed foods. EPA is in the process of reassessing tolerances under the health-based standards of FOPA. A tolerance violation occurs when a residue is found that exceeds the tolerance level or when a residue is found for which there is no established tolerance. With the exception of meat, poultry, and egg products, for which USDA is responsible, FDA enforces tolerances for all imported and domestic foods that move through interstate commerce. Unlike enforcement programs, PDP emphasizes determination of residues at the lowest detectable levels rather than quick turn-around times. When PDP identifies samples with residues exceeding the tolerance or with residues for which there is no established tolerance, these detections are reported to FDA regional and headquarters' offices. This notification is made in accordance with a Memorandum of Understanding between

USDA and FDA for the purpose of pinpointing areas where closer surveillance may be needed. FDA enforcement action has not been a practical response to PDP analysis because of the time required between sample collection and data reporting.

Residues exceeding the established tolerance are noted with an "X" in Appendices B, C, D, E, F, G, and H. Similarly, residues for which a tolerance is not established are noted with a "V." The "X" and "V" annotations are followed by a number indicating the number of samples reported to FDA.

An established tolerance may apply to more than one residue because pesticides may break down into more than one metabolite or contain more than one isomer. For example, the tolerance for endosulfan combines residues of endosulfan I, endosulfan II, and endosulfan sulfate; and organophosphate tolerances may combine the parent compound and the sulfone and sulfoxide metabolites. Therefore, where applicable, the violations in Appendix P are combined residues of parent and any isomers and/or metabolites to count the total number of samples with tolerance violations.

Excluding samples for which no tolerances are set (bottled water and drinking water), residues exceeding the tolerance were detected in 0.2 percent of the 13,621 samples tested in 2005 – 25 samples with 1 residue each. Residues with no established tolerance were found in 4.2 percent of the samples (570 samples with 1 residue each, and 2 samples with 2 residues each). In most cases, these residues were detected at very low levels and some residues may have resulted from spray drift or crop rotations. The residue levels and commodities are listed in Appendix P.

Bottled Water Results

Bottled water is the second most consumed beverage in the United States. Due to its high consumption, PDP began testing bottled water in 2005. Bottled water is regulated as a packaged food product by the FDA and State regulatory agencies. FDA is adopting EPA's MCLs for municipal water systems as its Standards of Quality (SOQs) for bottled water. Bottled water meets similar standards as municipal water systems.

Bottled water can come from many sources. Waters sampled by PDP included water which was purified from municipal sources, spring water, well water, and melt water from glaciers. It is not required for bottled water to identify a specific source on the label, but bottlers must adhere to the FDA Standard of Identity regulations that provide uniform definitions for the following bottled water classifications: bottled, drinking, artesian, ground, distilled, deionized, reverse osmosis, mineral, purified, sparkling, spring, sterile, and well water. Ninety different brands of bottled water were sampled in 2005. These included small local brands of bottled waters as well as nationally sold brands. Some bottling companies may have multiple sources for their water and may list them on the label. Sampling these major brands of bottled water from various locations across the country allows PDP to obtain samples from these multiple sources. Due to its weight and shipping cost, most bottled water comes from domestic sources; however, 55 samples were imports from Canada, Fiji, France, New Zealand, and the United Kingdom.

PDP analyzed 378 bottled water samples using multiresidue methods to test for 82 pesticides and metabolites. Fourteen different residues from 7 different pesticides were detected in 16 percent of the bottled water samples. All but one of the detections was of commonly used herbicides and their metabolites. One fungicide was detected in a single sample. Appendix I provides a distribution of residues detected in bottled water.

Table 5 shows the residues which were detected in the bottled water sampled by PDP in 2005. The bulk of the residue detections occurred in spring waters while only 12% of the samples purified from municipal sources contained any detectable residues. Most samples with detectable residues contained only a single pesticide or metabolite. A few of the samples contained multiple residues with a maximum of seven detectable residues within a given sample. All detections were well below any established EPA MCLs and Health Advisories (HAs).

Drinking Water Results

Figure 8 shows the distribution of drinking water sites for the 2005 PDP testing program. Untreated and finished drinking water samples were collected from community water systems in California, Florida, Louisiana, Michigan, North Carolina, North Dakota, Ohio, Pennsylvania, and Washington. Each watershed reflects the local topography, watershed size, geomorphology, soil types, geology, land use, land management practices, crop varieties, pesticides applied, and application methods. Due to the complexities associated with water quality assessments, these data reflect only the unique characteristics of the watersheds from which the samples were obtained.

PDP analyzed 750 water samples from community water systems using MRMs to test for more than 200 pesticides and metabolites. Treatment plants participating in the 2005 survey draw from surface water as their primary source waters. The data presented here are for the untreated water collected at treatment plant intakes and treated water (post-disinfection) collected just prior to distribution to customers. Forty-eight different residues were detected in the untreated intake water and 43 in the finished water. Most of the detections were of commonly used herbicides and their metabolites. The majority of pesticides included in the PDP testing profiles were not detected and none of the detections in the finished water samples exceeded EPA MCLs or HA levels.

Appendix J lists the MCL and/or HA values; however, many of the compounds in the PDP testing profiles do not have established regulatory standards. For comparative purposes, EPA FAO criteria, which are much lower than human-based MCLs or HAs, are also given. These criteria are lower than MCL or HA levels due primarily to higher exposure to these compounds because aquatic organisms live all or most of their lives in water. During 2005, no detections exceeded established FAO levels. Additional information regarding EPA drinking water standards is available at: http://www.epa. gov/safewater/standard/setting.html.

Water treatment technologies vary widely and may be based on the local water chemistry, targeted contaminants needing removal, and cost. Appendix J shows the concentration of detected residues in treated and untreated water.

Bottled Water Source	Number of Samples Collected	Number of Samples with Residues	Number of Residues Detected	Origin
Artesian	1	1	2	Domestic
Glacier	2	1	1	Canada
Groundwater	20	1	1	Fiji
Purified Drinking Water	102	7	1-4	Domestic
Spring Water	231	47	1-7	U.S., Canada, France
Unknown Source	22	2	1-2	Domestic

Table 5. Origin of Bottled Water Samples and Number of Residues Detected. PDP analyzed 378 bottled water samples using multiresidue methods to test for 82 pesticides and metabolites. Fourteen different residues from 7 different pesticides were detected in 16 percent of the bottled water samples. All but one of the detections were of commonly used herbicides and their metabolites. One fungicide was detected in a single sample. Appendix I provides a distribution of residues detected in bottled water.

In most cases, there were more detections in the untreated water than the treated water. In a few cases, residues detected in the treated water were not detected in the untreated water. The data acquired to date indicate that the water treatment process removed matrix interferences, allowing for a more sensitive measurement in the treated water. Depending on the treatment process employed, individual pesticides are entirely, partially, or not removed during the treatment process.

The data clearly show seasonal inputs in many cases, such as atrazine. Figure 10 depicts results for atrazine in finished drinking water at two North Carolina sites, 5002 and 5003, and for two sites in northwestern Ohio and two sites in southeastern Michigan. In the first graph, site 5003 shows seasonal variations, while for site 5002, there is no marked seasonal input but rather a continual year-round input. The second graph shows that for sites in northwestern Ohio and southeastern Michigan, higher concentrations were detected in summer months when atrazine is heavily applied, but again, there is a steady input year-round. These observations convey the importance of year-round monitoring.

Synopsis

A total of 10,154 fresh and processed fruit and vegetable samples, 668 soybean samples, 306 soybean rust/aphid survey samples, 674 wheat samples, 746 milk samples, 369 heavy cream samples, 704 pork samples, 378 bottled water samples, and 750 drinking water samples were analyzed for various pesticides including insecticides, herbicides, and fungicides. MRMs were used to detect a wide variety of compounds including carbamates, conazoles, imidazoles, organochlorines, organophosphates, phenoxy acid herbicides, pyrethroids, strobilurins, and triazines.

Excluding drinking water, approximately 84 percent of all samples tested were domestic, 14 percent were imports, 1 percent was of mixed origin, and 1 percent was of unknown origin.

Approximately 21 percent of the orange juice samples were of mixed national origin.

Overall, 73 percent of fresh fruit and vegetables and 61 percent of processed fruit and vegetables showed detectable residues. More residues were detected in fresh produce than in processed products and grains. Residues detected in dairy products and pork samples were primarily lowlevel residues of unavoidable environmental contaminants including DDE p,p' and dieldrin. Additionally, low levels of diphenylamine were detected in dairy products.

Excluding drinking water, 34 percent of samples tested contained no detectable pesticides [parent compound and metabolite(s) are combined], 30 percent contained 1 pesticide, and 36 percent contained more than 1 pesticide. Low levels of environmental contaminants were detected in cantaloupe, cauliflower, green beans, heavy cream, lettuce, milk, pork, watermelon, and winter squash at concentrations well below levels that trigger regulatory actions.

Excluding samples for which no tolerances are set (bottled water and drinking water), residues exceeding the tolerance were detected in 0.2 percent of the 13,621 samples tested in 2005 – 25 samples with 1 residue each. Residues with no established tolerance were found in 4.2 percent of the samples (570 samples with 1 residue each, and 2 samples with 2 residues each). In most cases, these residues were detected at very low levels and some residues may have resulted from spray drift or crop rotations.

In finished drinking water, PDP detected low levels (measured in parts per trillion) of some pesticides, primarily widely used herbicides. Forty-eight different residues were detected in the untreated intake water and 43 in the treated water. The majority of pesticides, metabolites, and isomers included in the PDP testing profiles were not detected. None of the detections in the finished water samples exceeded established EPA MCL or HA levels or established FAO criteria. Atrazine

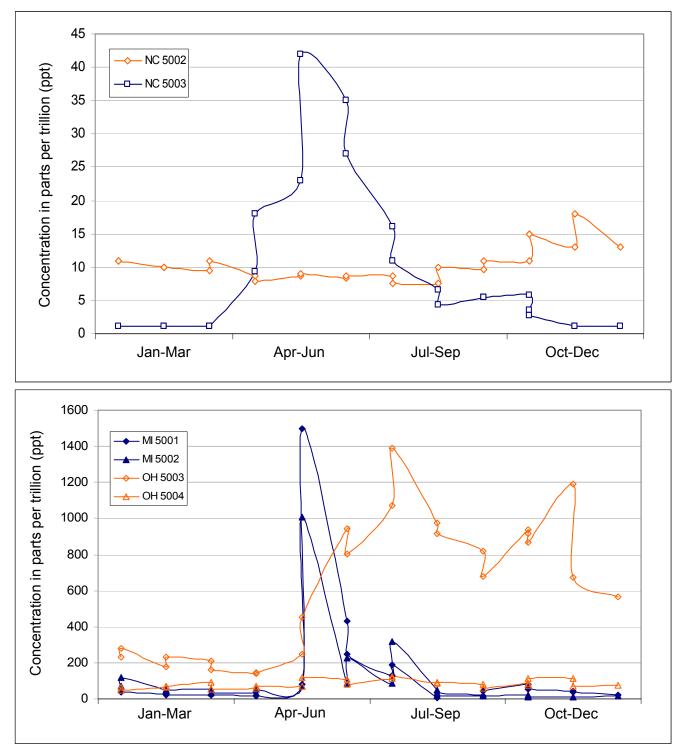


Figure 10. Seaonality of Pesticides in Finished Drinking Water Samples. Results are depicted for atrazine in finished drinking water at two North Carolina sites, 5002 and 5003, and for two sites in northwestern Ohio and two sites in southeastern Michigan. In the first graph, site 5003 shows seasonal variations, while for site 5002, there is no marked seasonal input but rather a continual year-round input. The second graph shows that for sites in northwestern Ohio and southeastern Michigan, higher concentrations were detected in summer months when atrazine is heavily applied, but again, there is a steady input year-round.



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Appendix A

Commodity History

Appendix A identifies commodities sampled by the Pesticide Data Program through December 2006. Updates to this list are posted on the PDP Web site at <u>http://www.ams.usda.gov/pdp</u>.

COMMODITY HISTORY AS OF DECEMBER 2006

Fresh Commodities

Apples Sep-91 Dec-96 Apples (S-1) Jan-99 Dec-99 Apples (S-2) Jan-99 May-99 Apples Oct-00 Sep-02 Apples Jan-04 Dec-05 Apples (T-1) Jan-03 Dec-03 Asparagus Jan-02 Jun-03 Bananas Sep-91 Sep-95 Bananas Jan-06 Ongoing Bananas Jan-06 Ongoing Bananas Jan-01 Dec-02 Bananas (TSP) Jul-03 Dec-03 Broccoli Oct-92 Dec-94 Broccoli Jan-01 Dec-02 Broccoli Oct-06 Ongoing Cantaloupe Oct-03 Sep-95 Carrots Oct-00 Sep-92 Carrots Jan-06 Ongoing Cautiflower Oct-04 Sep-05 Carrots Jan-01 Dec-02 Carrots Jan-01 Dec-02 Carrots Jan-06 Ongoing<	Commodity	Start Date	End Date
Apples (S-2) Jan-99 May-99 Apples Oct-00 Sep-02 Apples Jan-04 Dec-05 Apples (T-1) Jan-03 Dec-03 Asparagus Jan-02 Jun-03 Bananas Sep-91 Sep-95 Bananas Jan-01 Dec-02 Bananas Jan-06 Ongoing Bananas Jan-01 Dec-03 Bananas Jan-06 Ongoing Bananas Jan-01 Dec-02 Bananas Jan-01 Dec-02 Broccoli Oct-92 Dec-94 Broccoli Jan-01 Dec-02 Broccoli Jan-01 Dec-02 Broccoli Oct-06 Ongoing Cantaloupe Oct-03 Sep-05 Carrots Oct-00 Sep-02 Carrots Jan-06 Ongoing Caluiflower Oct-04 Sep-06 Celery Feb-92 Mar-94 Celery Jan-01 Dec-02 <td>Apples¹</td> <td>Sep-91</td> <td>Dec-96</td>	Apples ¹	Sep-91	Dec-96
ApplesOct-00Sep-02ApplesJan-04Dec-05Apples (T-1)Jan-03Dec-03AsparagusJan-02Jun-03BananasSep-91Sep-95BananasJan-06OngoingBananasJan-06OngoingBananasJan-06OngoingBananasJan-01Dec-02BananasJan-06OngoingBananasJan-01Dec-03BroccoliOct-92Dec-94BroccoliJan-01Dec-02BroccoliOct-06OngoingCantaloupeJul-98Jun-00CantaloupeOct-92Sep-95CarrotsOct-00Sep-05CarrotsJan-06OngoingCarrotsJan-06OngoingCarrotsJan-06OngoingCarrotsJan-06OngoingCarrotsJan-06OngoingCarrotsJan-06OngoingCarrotsJan-01Dec-02Cherries 2Mar-94CeleryFeb-92Mar-94CeleryJan-01Dec-02Cherries 2May-00Aug-01CucumbersJan-05Dec-06Eggs (TSP)Jul-03Dec-03Grapes 1May-91Dec-93Grapes 1May-91Dec-96Grapes 1May-91Dec-96Grapes 1Jan-00Dec-01Grapes (TSP)Jul-03Dec-01	Apples (S-1)	Jan-99	Dec-99
ApplesJan-04Dec-05Apples (T-1)Jan-03Dec-03AsparagusJan-02Jun-03BananasSep-91Sep-95BananasJan-06OngoingBananasJan-06OngoingBananasJan-01Dec-02BananasJan-01Dec-03BroccoliOct-92Dec-94BroccoliJan-01Dec-02BroccoliOct-06OngoingCantaloupeJul-98Jun-00CantaloupeOct-03Sep-05CarrotsOct-00Sep-02CarrotsOct-00Sep-02CarrotsJan-01Dec-02CarrotsJan-01Dec-02Cherries ² May-00Aug-01CucumbersJan-99Dec-00CucumbersJan-99Dec-00CucumbersOct-02Sep-04EggplantJan-05Dec-03GrapefruitAug-91Dec-93Grapes ¹ May-91Dec-93Grapes (TSP)Jul-03Dec-01Grapes (TSP)Jul-03Dec-01Grapes (TSP)Jul-03Dec-01Grapes (TSP)Jul-03Dec-01Grapes (TSP)Jul-03Dec-01	Apples (S-2)	Jan-99	May-99
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CarrotsJan-06OngoingCauliflowerOct-04Sep-06CeleryFeb-92Mar-94CeleryJan-01Dec-02Cherries 2May-00Aug-01CucumbersJan-99Dec-00CucumbersOct-02Sep-04EggplantJan-05Dec-06Eggs (TSP)Jul-03Dec-03GrapefruitAug-91Dec-93GrapefruitJan-05Dec-06Grapes 1May-91Dec-96Grapes (TSP)Jul-03Dec-01Grapes (TSP)Jul-03Dec-01	Carrots ¹	Oct-92	Sep-96
CauliflowerOct-04Sep-06CeleryFeb-92Mar-94CeleryJan-01Dec-02Cherries 2May-00Aug-01CucumbersJan-99Dec-00CucumbersOct-02Sep-04EggplantJan-05Dec-06Eggs (TSP)Jul-03Dec-03GrapefruitAug-91Dec-93Grapes 1May-91Dec-96Grapes 1Jan-00Dec-01Grapes (TSP)Jul-03Dec-03	Carrots	Oct-00	Sep-02
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Cherries 2May-00Aug-01CucumbersJan-99Dec-00CucumbersOct-02Sep-04EggplantJan-05Dec-06Eggs (TSP)Jul-03Dec-03GrapefruitAug-91Dec-93GrapefruitJan-05Dec-06Grapes 1May-91Dec-96Grapes 2Jan-00Dec-01Grapes (TSP)Jul-03Dec-03	Celery	Feb-92	Mar-94
CucumbersJan-99Dec-00CucumbersOct-02Sep-04EggplantJan-05Dec-06Eggs (TSP)Jul-03Dec-03GrapefruitAug-91Dec-93GrapefruitJan-05Dec-06Grapes 1May-91Dec-96Grapes (TSP)Jul-03Dec-01Grapes (TSP)Jul-03Dec-03	Celery	Jan-01	Dec-02
CucumbersOct-02Sep-04EggplantJan-05Dec-06Eggs (TSP)Jul-03Dec-03GrapefruitAug-91Dec-93GrapefruitJan-05Dec-06Grapes 1May-91Dec-96Grapes (TSP)Jul-03Dec-01Grapes (TSP)Jul-03Dec-03	Cherries ²	May-00	Aug-01
EggplantJan-05Dec-06Eggs (TSP)Jul-03Dec-03GrapefruitAug-91Dec-93GrapefruitJan-05Dec-06Grapes 1May-91Dec-96Grapes (TSP)Jul-03Dec-03	Cucumbers	Jan-99	Dec-00
Eggs (TSP)Jul-03Dec-03GrapefruitAug-91Dec-93GrapefruitJan-05Dec-06Grapes 1May-91Dec-96Grapes (TSP)Jul-03Dec-03	Cucumbers	Oct-02	Sep-04
GrapefruitAug-91Dec-93GrapefruitJan-05Dec-06Grapes 1May-91Dec-96GrapesJan-00Dec-01Grapes (TSP)Jul-03Dec-03	Eggplant	Jan-05	Dec-06
GrapefruitJan-05Dec-06Grapes 1May-91Dec-96GrapesJan-00Dec-01Grapes (TSP)Jul-03Dec-03	Eggs (TSP)	Jul-03	Dec-03
Grapes 1May-91Dec-96GrapesJan-00Dec-01Grapes (TSP)Jul-03Dec-03	Grapefruit	Aug-91	Dec-93
GrapesJan-00Dec-01Grapes (TSP)Jul-03Dec-03	Grapefruit	Jan-05	Dec-06
Grapes (TSP) Jul-03 Dec-03	Grapes ¹	May-91	Dec-96
	Grapes	Jan-00	Dec-01
Grapes Jan-04 Dec-05	Grapes (TSP)	Jul-03	Dec-03
	Grapes	Jan-04	Dec-05

Commodity	Start Date	End Date
Green Beans	Feb-92	Dec-95
Green Beans	Jan-00	Dec-01
Green Beans	Apr-04	Mar-05
Greens (collard & kale)	Oct-06	Ongoing
Lettuce	May-91	Dec-94
Lettuce	Oct-99	Sep-01
Lettuce	Jan-04	Dec-05
Mushrooms	Oct-01	Sep-03
Nectarines ³	Jul-00	Sep-01
Onions	Jan-02	Dec-03
Oranges ¹	Aug-91	Dec-96
Oranges	Jan-00	Dec-01
Oranges	Jan-04	Dec-05
Peaches	Feb-92	Sep-96
Peaches (S-3)	Jan-00	Sep-00
Peaches ⁴	Jan-01	Sep-02
Peaches	Oct-06	Ongoing
Peaches (T-1)	May-03	Sep-03
Pears	Jan-97	Jun-99
Pears (S-1)	Jul-98	Jun-99
Pears	Oct-03	Sep-05
Pineapples	Jul-00	Jun-02
Plums	Jan-05	Dec-06
Potatoes	May-91	Dec-95
Potatoes (S-4)	Dec-96	Dec-97
Potatoes	Jul-00	Jun-02
Spinach ¹	Jan-95	Sep-97
Spinach	Jul-02	Dec-03
Spinach	Jan-06	Ongoing
Strawberries ⁵	Jan-98	Sep-00
Strawberries	Jan-04	Dec-05
Sweet Bell Peppers	Jan-99	Dec-00
Sweet Bell Peppers	Oct-02	Sep-04
Sweet Potatoes ¹	Jan-96	Jun-98
Sweet Potatoes	Jan-03	Dec-04

Commodity	Start Date	End Date
Tomatoes ¹	Jul-96	Jun-99
Tomatoes	Jan-03	Dec-04
Watermelon 6	Oct-05	Sep-06
Summer Squash	Oct-06	Ongoing
Winter Squash ⁵	Jan-97	Jun-99
Winter Squash	Jul-04	Jun-06

¹ Excludes sampling hiatus September - November 1996.

- ² Sampling adjusted for market availability. Cherries were sampled for two years (May-00 - Aug-01) for a total of six months.
- ³ Sampling adjusted for market availability. Nectarines were sampled for two years (Jul-00 Sep-01) for a total of six months.
- ⁴ Sampling adjusted for market availability. Peaches were sampled for two years (Jan-01 - Sep-02) for a total of sixteen months.
- ⁵ Frozen collected when fresh unavailable.
- ⁶ Samples collected in California, Florida, and Texas only.
- (S-1) Special single serving project testing for organophosphates.
- (S-2) Special single serving project testing for carbamates.
- (S-3) Special single serving project testing for carbamate, organochlorine, organophosphate, organonitrogen, and sulfur compounds.
- (S-4) Special single serving project testing for aldicarb.
- (T-1) Triazole parent and metabolite compounds only.
- (TSP) Triazole Sampling Project. Samples sent to contract laboratory.

Processed Commodities

Commodity	Start Date	End Date
Apple Juice ¹	Jul-96	Dec-98
Apple Juice	Jan-02	Dec-02
Applesauce	Jul-02	Dec-02
Applesauce	Jan-06	Dec-06
Asparagus, Canned	Jul-03	Dec-03
Corn Syrup ²	Jan-98	Jun-99
Grape Juice	Jan-98	Dec-99
Green Beans, Canned/Frozen ¹	Jan-96	Jun-98
Green Beans, Canned	Jan-03	Mar-04
Green Beans, Frozen	Apr-05	Dec-05
Orange Juice	Jan-97	Dec-98
Orange Juice	Oct-04	Sep-06
Peaches, Canned	Dec-96	Dec-97
Peaches, Canned	Jan-03	Dec-04
Peaches, Canned (T-1)	Jan-03	Mar-03
Peaches, Canned (T-1)	Oct-03	Dec-03
Peanut Butter	Jan-00	Dec-00
Peanut Butter	Jan-06	Dec-06
Peanut Butter (TSP)	Jul-03	Dec-03
Pear Juice, Concentrate/Puree	Jul-02	Jun-03
Pears, Canned	Jul-99	Jun-00
Peas, Canned/Frozen	Apr-94	Jun-96
Peas, Canned/Frozen ³	Oct-01	Sep-03
Peas, Frozen	Jan-06	Ongoing
Potatoes, Frozen	Jan-06	Ongoing
Raisins	Jul-06	Ongoing
Spinach, Canned	Oct-97	Dec-98
Spinach, Frozen	Jan-99	Dec-99
Spinach, Canned	Jan-04	Jun-04
Strawberries, Frozen ⁴	Jan-98	Sep-00
Sweet Corn, Canned/Frozen	Apr-94	Mar-96
Sweet Corn, Canned/Frozen ³	Oct-01	Sep-03
Tomato Paste, Canned	Jan-01	Jun-01
Tomatoes, Canned	Jul-99	Jun-00
Winter Squash, Frozen ⁴	Jan-97	Jun-99

¹ Excludes sampling hiatus September - November 1996

² Excludes sampling hiatus January 1999

³ Canned samples collected in first year and frozen samples in second year of testing.

⁴ Frozen collected when fresh unavailable

(T-1) Triazole parent and metabolite compounds only.

(TSP) Triazole Sampling Project. Samples sent to contract laboratory.

Grains

Commodity	Start Date	End Date
Barley	Oct-01	Sep-03
Corn	Oct-06	Ongoing
Oats	Jul-99	Apr-00
Rice	Oct-00	Sep-02
Soybeans	Sep-96	Feb-98
Soybeans	Oct-03	Sep-05
Soybean Rust/Aphid	Oct-05	Dec-05
Wheat	Feb-95	Jan-98
Wheat	Sep-04	Aug-06
Wheat Flour	Jan-03	Dec-04
Wheat Flour (T-1)	Jan-03	Dec-03

Dairy

Commodity	Start Date	End Date
Butter	Jan-03	Dec-03
Heavy Cream	Jul-05	Dec-05
Milk ¹	Jan-96	Oct-98
Milk (TSP)	Jul-03	Dec-03
Milk	Jan-04	Dec-05

Drinking Water

States	Start Date	End Date
California, New York	Mar-01	Dec-03
Colorado, Kansas, Texas	May-02	Dec-03
Oregon, Pennsylvania	Jan-04	Dec-04
Michigan, North Carolina, Ohio, Washington	Jan-04	Ongoing
California, Florida	Jan-05	Dec-05
Louisiana, North Dakota, Pennsylvania	Jan-05	Ongoing
Bottled Water - Ten Participating States	Jan-05	Dec-06

Meat / Poultry Products

Commodity	Туре	Start Date	End Date
Poultry	Young Chickens	Apr-00	Mar-01
Poultry	Young & Mature Chickens	Jan-06	Ongoing
Beef	Cows, Heifers, Steers	Jun-01	Jul-02
Pork	Gilt, Barrow	Jan-05	Jun-05

¹ Excludes sampling hiatus September - November 1996

(T-1) Triazole parent and metabolite compounds only.

(TSP) Triazole Sampling Project. Samples sent to contract laboratory.

Appendix B

Distribution of Residues by Pesticide in Fruit and Vegetables

Appendix B shows residue detections for all fruit and vegetable pesticide/ commodity pairs tested, including range of values detected, range of Limits of Detection (LODs), Environmental Protection Agency (EPA) tolerances, and Codex Maximum Residue Limit/Extraneous Maximum Residue Limit (MRL/EMRL) references for each pair.

In 2005, 10,154 fruit and vegetable samples were analyzed, of which 8,702 were fresh product and 1,452 were processed product.

PDP reports tolerance violations to the Food and Drug Administration (FDA) as part of an interagency Memorandum of Understanding between the U.S. Department of Agriculture and FDA. Residues reported to FDA are shown in the "Pesticide/ Commodity" column to the right of the commodity and are annotated as "X" (if the residue exceeded the established tolerance) or "V" [if the residue did not have a tolerance listed in the Code of Federal Regulations (CFR), Title 40, Part 180]. In both cases, these annotations are followed by a number indicating the number of samples reported to FDA.

Action levels (ALs) are shown in this appendix, where applicable, and denote Action Level values established by FDA and/or Extraneous Maximum Residue Levels (EMRLs) established by the Codex Alimentarious Commission. Under FQPA, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.

Data to establish Codex MRLs are evaluated by the Food and Agriculture/World Health Organization-sponsored Joint Meeting on Pesticide Residues (JMPR) based on toxicology, residue occurrence in crops determined by supervised field trials, and dietary exposure. The Codex Committee on Pesticide Residues (CCPR) meets annually to discuss proposed MRLs and recommends approval to the Codex Alimentarius Commission. This means that Codex MRLs represent levels that are considered safe to humans. MRLs/EMRLs shown in this appendix are from the Codex Alimentarius: *Proc. of Codex Committee on Pesticide Residues*, 38th Session, April 3-8, 2006, Fortaleza, Brazil. Only Codex MRLs (CXLs) are listed.

The information herein is only intended to be an initial reference. Readers are reminded that international regulations and MRLs may change and that it is important that information obtained from this table be verified with knowledgeable parties in the market of interest prior to sale or shipment of exports.

Samples EPA Codex MRL/EMRL, Number of with % of Samples Range of Values Range of Tolerance Detections with Detections Pesticide / Commodity Samples Detected, ppm LODs, ppm Level, ppm ppm Acephate (insecticide) Apples 743 0 0.002 ^ 0.02 -Cantaloupe (X-1) 558 2 0.4 0.020 - 0.21 0.002 - 0.005 0.02 Eggplant (X-6) 736 8 1.1 0.008 - 0.30 0.005 ^ 0.02 . Grapefruit 742 0 0.002 - 0.004 0.02 _ 739 0.002 - 0.005 Grapes 0 0.02 181 38 21.0 0.003 - 3.0 0.002 - 0.005 Green Beans 3 Green Beans, Frozen 555 149 26.8 0.003 - 0.88 0.002 - 0.005 3 743 60 8.1 0.003 - 0.090 0.002 - 0.003 10 Lettuce **Orange Juice** 744 4 0.5 0.003 ^ 0.002 ^ 0.02 Oranges 741 0 0.002 ^ 0.02 0.02 Pears 555 0.002 - 0.015 0 Plums 573 0.005 ^ 0.02 0 Plums, Dried (Prunes) 0.005 ^ 0.02 153 0 Strawberries 737 0 0.001 - 0.002 0.02 Watermelon (X-1) 182 2 1.1 0.003 - 0.71 0.002 - 0.005 0.02 _ 0.5 Winter Squash (X-1) 731 4 0.003 - 0.051 0.002 - 0.005 0.02 TOTAL 9.413 267 Acetamiprid (insecticide) 260 182 70.0 0.001 - 0.13 0.0006 ^ 1.0 Apples _ 741 0.001 - 0.005 Cauliflower 0.0006 ^ 1.20 7 0.9 Lettuce 527 83 15.7 0.001 - 0.27 0.0006 ^ 3.00 272 TOTAL 1,528 Acibenzolar S methyl (plant activator) Apples 0 0.007 ^ NT 528 _ Cauliflower 741 0 0.007 ^ 1.0 Lettuce 0.007 ^ 0.25 527 0 TOTAL 1,796 0 Alachlor (herbicide) Cantaloupe 396 0 0.016 ^ NT Winter Squash 0.016 ^ NT 518 0 TOTAL 914 0 Aldicarb (insecticide) Apples 528 0 0.0003 - 0.001 NT Cantaloupe 396 0 0.020 ^ NT -Cauliflower 741 0 0.0003 - 0.001 NT Grapefruit 0.007 ^ 0.2 214 0 0.3 Grapes 523 0 0.010 ^ NT 0.2 Green Beans 0 0.020 ^ NT 127 -Green Beans, Frozen 395 0 0.020 ^ NT _ Lettuce 527 0 0.0003 - 0.001 NT 0.2 Orange Juice 744 0 0.007 - 0.010 0.3 719 0.007 - 0.010 0.3 Oranges 0.2 0 Pears 394 0.010 ^ NT 0 -Watermelon 64 0.010 ^ NT 0 _ Winter Squash 518 0.020 ^ NT _ 0 TOTAL 5,890 0 Aldicarb sulfone (metabolite of Aldicarb) 0.0009 - 0.003 Apples 513 0 NT Cantaloupe 396 0.038 ^ NT 0 -Cauliflower 725 0 0.003 ^ NT 0.2 Grapefruit 719 0 0.009 - 0.012 0.3 Green Beans 127 0.020 ^ NT 0

Green Beans, Frozen

395

0

APPENDIX B. DISTRIBUTION OF RESIDUES BY PESTICIDE IN FRUIT AND VEGETABLES

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NT

0.020 ^

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRL
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Lettuce	498	0			0.0009 - 0.003	NT	-
Orange Juice	744	0			0.009 - 0.010	0.3	0.2
Oranges	741	0			0.009 - 0.010	0.3	0.2
Watermelon	64	0			0.010 ^	NT	-
Winter Squash	518	<u>0</u>			0.038 ^	NT	-
TOTAL	5,440	0					
Aldicarb sulfoxide (metabo	,						
Apples	411	0			0.0003 - 0.003	NT	-
Cantaloupe	396	0			0.038 ^	NT	-
Cauliflower	342	0			0.001 - 0.004	NT	-
Grapefruit	214	0			0.005 ^	0.3	0.2
Grapes	523	0			0.010 ^	NT	0.2
Green Beans	127	0			0.020 ^	NT	-
Green Beans, Frozen	395	0			0.020 ^	NT	-
Lettuce	468	0			0.0003 - 0.003	NT	-
Orange Juice	744	9	1.2	0.008 ^	0.005 - 0.010	0.3	0.2
Oranges	741	2	0.3	0.008 - 0.025	0.005 - 0.010	0.3	0.2
Pears	394	0	0.0		0.010 ^	NT	-
Watermelon	64	0			0.010 ^	NT	_
Winter Squash	518				0.038 ^	NT	_
•		<u>0</u>			0.036 ^	IN I	-
TOTAL	5,337	11					
Aldrin (insecticide) (parent		_			0.000 0.004	0.00.41	0.05
Apples	743	0			0.003 - 0.024	0.03 AL	0.05
Cantaloupe	162	0			0.003 - 0.008	0.1 AL	0.1
Cauliflower	741	0			0.007 - 0.024	0.03 AL	-
Eggplant	736	0			0.006 ^	0.05 AL	-
Grapefruit	742	0			0.003 - 0.008	0.02 AL	0.05
Grapes	523	0			0.002 ^	0.05 AL	-
Green Beans	181	0			0.002 - 0.008	0.05 AL	0.05
Green Beans, Frozen	555	0			0.002 - 0.008	0.05 AL	0.05
Lettuce	743	0			0.003 - 0.024	0.03 AL	0.05
Orange Juice	744	0			0.003 - 0.008	0.02 AL	0.05
Oranges	741	0			0.003 - 0.008	0.02 AL	0.05
Pears	555	0			0.002 - 0.008	0.03 AL	0.05
Plums	573	-			0.002 - 0.000	0.03 AL	-
		0					-
Plums, Dried (Prunes)	153	0			0.006 ^	0.3 AL	
Watermelon	182	0			0.002 - 0.003	0.1 AL	0.1
Winter Squash	<u>213</u>	<u>0</u> 0			0.003 - 0.008	0.1 AL	0.1
TOTAL	8,287	0					
Allethrin (insecticide)							
Apples	215	0			0.010 ^	EX	-
Cantaloupe	558	0			0.010 - 0.016	4	-
Grapefruit	742	0			0.010 - 0.040	EX	-
Grapes	739	0			0.010 - 0.015	4	-
Orange Juice	744	0			0.010 ^	EX	-
Oranges	741	0			0.010 ^	EX	_
Pears	555	0			0.010 - 0.015	EX	_
Plums							-
	573	0			0.021 ^	4	-
Plums, Dried (Prunes)	153	0			0.021 ^	4	-
Watermelon	64	0			0.015 ^	NT	-
Winter Squash TOTAL	<u>518</u> 5,602	<u>0</u> 0			0.016 ^	NT	-
	-,	-					
Ametryn (herbicide) Orange Juice	528	0			0.010 ^	NT	_
	525	0			0.010 ^	NT	-
Oranges		0				NT	-
\M/otormolor							
Watermelon TOTAL	<u>64</u> 1,117	<u>0</u> 0			0.010 ^	INT	-

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMRI ppm
	pi00	200000000		, pp://	, pp	ppm	""
Anilazine (fungicide)							
Green Beans	127	0			0.023 ^	NT	-
Green Beans, Frozen	<u>395</u>	<u>0</u>			0.023 ^	NT	-
TOTAL	522	0					
Atrazine (herbicide)							
Apples	528	0			0.002 - 0.006	NT	-
Cantaloupe	396	0			0.024 ^	NT	-
Cauliflower	741	0			0.002 - 0.006	NT	-
Grapes	523	0 0			0.008 ^	NT	-
Green Beans	127	0			0.015 ^	NT	_
Green Beans, Frozen	395	0			0.015 ^	NT	_
	535 527	1	0.2	0.006 ^	0.002 ^	NT	-
Lettuce (V-1)	-		0.2	0.006 ^			-
Orange Juice	528	0			0.010 ^	NT	-
Oranges	525	0			0.010 ^	NT	-
Pears	394	0			0.008 ^	NT	-
Watermelon	64	0			0.008 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.024 ^	NT	-
TOTAL	5,266	1					
Azinphos methyl (insecticide)							
Apples	743	234	31.5	0.013 - 0.33	0.008 - 0.012	1.5	2
Cantaloupe	558	0			0.008 - 0.012	2.0	0.2
Eggplant	736	1	0.1	0.007 ^	0.004 ^	0.3	0.2
Grapefruit	214	0	0.1	0.007	0.004 ^	2.0	0.5
•	214 524	0 2	0.4	0.013 - 0.018	0.008 - 0.011	2.0 4.0	1
Grapes			0.4	0.013 - 0.018			
Green Beans	181	0			0.005 - 0.008	2.0	0.5
Green Beans, Frozen	555	0			0.005 - 0.008	2.0	0.5
Lettuce	527	0			0.012 ^	NT	0.5
Orange Juice	744	0			0.008 ^	2.0	1
Oranges	741	0			0.008 ^	2.0	1
Pears	555	139	25.0	0.013 - 0.33	0.008 - 0.011	1.5	2
Plums	573	32	5.6	0.007 - 0.10	0.004 ^	2.0	2
Plums, Dried (Prunes)	153	2	1.3	0.007 - 0.060	0.004 ^	2.0	2
Strawberries	216	1	0.5	0.20 ^	0.008 ^	2.0	1
Watermelon	182	0	0.0	5.20	0.008 - 0.012	2.0	0.2
Winter Squash	518				0.012 ^	NT	0.2
TOTAL		<u>0</u> 411			0.012	INT	0.0
IUTAL	7,720	411					
Azoxystrobin (fungicide)	100	_					
Apples	468	0			0.002 ^	NT	-
Cauliflower	666	0			0.002 ^	30	-
Grapefruit	528	11	2.1	0.0004 - 0.002	0.0004 ^	1.0	-
Grapes	523	13	2.5	0.002 - 0.042	0.002 ^	1.0	-
Lettuce	485	15	3.1	0.003 - 2.2	0.002 ^	30.0	-
Orange Juice	528	0			0.010 ^	1.0	-
Oranges	504	0			0.010 ^	1.0	-
Pears	394	0			0.002 ^	NT	-
Watermelon	182				0.0005 - 0.020	0.30	_
TOTAL	4,278	<u>0</u> 39			0.0000 - 0.020	0.50	-
Dandiagouth (increticida)							
Bendiocarb (insecticide) Apples	743	0			0.002 - 0.040	SU	-
Cantaloupe	162	0			0.002 ^	SU	-
Cauliflower	741	0			0.040 ^	SU	-
Eggplant	736	0			0.010 ^	SU	-
	730					SU	-
Grapefruit		0			0.002 - 0.010		-
Grapes	739	0			0.002 - 0.005	SU	-
Lettuce	743	0			0.002 - 0.88	SU	-
	744	0			0.002 - 0.010	SU	-
Orange Juice	744	0					
	744 741	0			0.002 - 0.010	SU	-
Orange Juice							-

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMF
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Plums, Dried (Prunes)	153	0			0.010 ^	SU	-
Strawberries	733	0			0.002 - 0.004	SU	-
Watermelon	182	0			0.002 - 0.016	SU	-
Winter Squash	213	<u>0</u>			0.002 ^	SU	-
TOTAL	8,477	<u>⊻</u> 29			0.002	00	
IUTAL	0,477	29					
Benfluralin (herbicide)	040	0			0.000.4	0.05	
Lettuce	<u>216</u>	<u>0</u> 0			0.020 ^	0.05	-
TOTAL	216	0					
BHC alpha (insecticide)							
Apples	743	0			0.002 - 0.007	0.05 AL	-
Cantaloupe	558	0			0.002 - 0.004	0.05 AL	-
Cauliflower	741	0			0.007 ^	0.05 AL	_
Eggplant	736				0.004 ^	0.05 AL	
		0					-
Grapefruit	742	0			0.002 - 0.005	0.05 AL	-
Grapes	523	0			0.002 ^	0.05 AL	-
Green Beans	127	0			0.0008 ^	0.05 AL	-
Green Beans, Frozen	395	0			0.0008 ^	0.05 AL	-
Lettuce	743	0			0.002 - 0.007	0.05 AL	-
Orange Juice	744	0			0.002 ^	0.05 AL	-
Oranges	741	0			0.002 ^	0.05 AL	_
0	555	-					_
Pears		0			0.002 ^	0.05 AL	-
Plums	573	0			0.003 ^	0.05 AL	-
Plums, Dried (Prunes)	153	0			0.003 ^	0.05 AL	-
Watermelon	182	0			0.002 ^	0.05 AL	-
Winter Squash	731	<u>0</u>			0.002 - 0.004	0.05 AL	-
TOTAL	8,987	ō					
-	-,	-					
BHC beta (isomer of BHC alpha					0.0000	NT	
Green Beans	127	0			0.0008 ^	NT	-
Green Beans, Frozen	<u>395</u>	<u>0</u>			0.0008 ^	NT	-
TOTAL	522	0					
Bifenazate (acaricide)							
Apples	215	0			0.020 ^	0.75	1
Cantaloupe	396	0			0.013 ^	0.75	0.3
Grapes	216	5	2.3	0.033 - 0.090	0.020 ^	0.75	1
Pears	161	1	0.6	0.033 ^	0.020 ^	0.75	1
Strawberries	216	21	9.7	0.033 - 0.25	0.020 ^	1.5	2
Watermelon	59	0			0.020 ^	0.75	0.3
Winter Squash	<u>731</u>	<u>0</u>			0.013 - 0.034	0.75	0.7
TOTAL	1,994	27					
Bifenthrin (insecticide)							
Apples	743	0			0.003 - 0.010	0.05	-
							-
Cantaloupe	558	0			0.010 - 0.016	0.4	-
Cauliflower	741	0			0.003 ^	0.6	-
Eggplant	736	1	0.1	0.047 ^	0.028 ^	0.05	-
Grapefruit	742	0			0.010 ^	0.05	0.05
Grapes	739	1	0.1	0.018 ^	0.010 - 0.011	0.2	-
Green Beans	181	5	2.8	0.012 - 0.39	0.008 - 0.010	0.6	-
Green Beans, Frozen	555	70	12.6	0.012 - 0.093	0.008 - 0.010	0.6	-
			12.0	0.012 0.035			-
Lettuce	743	0			0.003 - 0.010	3.0	
Orange Juice	744	0			0.010 ^	0.05	0.05
Oranges	741	0			0.010 ^	0.05	0.05
Pears	555	0			0.010 - 0.011	0.5	0.5
Plums	573	0			0.037 ^	0.05	-
Plums, Dried (Prunes)	153	0			0.037 ^	0.05	-
Strawberries	737	72	9.8	0.017 - 0.44	0.010 - 0.040	3.0	1
Watermelon	182	3	1.6	0.007 - 0.018	0.004 - 0.011	0.4	-
							-
Winter Squash	<u>731</u>	<u>12</u>	1.6	0.017 - 0.027	0.010 - 0.016	0.4	-
TOTAL	10,154	<u>164</u>	1.0	0.011 0.021	0.0.0	0	

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Bitertanol (fungicide)							
Watermelon	<u>64</u>	0			0.010 ^	NT	-
TOTAL	64	<u>0</u> 0					
Boscalid (fungicide) Apples	132	9	6.8	0.010 - 0.035	0.006 ^	3.0	_
Cantaloupe	396	0	0.0	0.010 - 0.000	0.039 ^	5.0 1.6	_
Cauliflower	682	0			0.006 ^	3.0	
Lettuce	485	0 12	2.5	0.010 - 1.6	0.006 ^	11.0	-
Watermelon	182	0	2.5	0.010 - 1.0	0.003 - 0.010	1.6	-
Winter Squash	<u>518</u>	-	0.2	0.065 ^	0.039 ^	1.6	-
TOTAL	2,395	<u>1</u> 22	0.2	0.003	0.039	1.0	-
Bromacil (herbicide)							
Grapefruit	742	0			0.015 - 0.067	0.1	-
Orange Juice	744	0			0.010 - 0.015	0.1	-
Oranges	741				0.010 - 0.015	0.1	_
TOTAL	2,227	<u>0</u> 0			0.010 0.010	0.1	
Buprofezin (insecticide)	400	4	0.0	0.0000 4	0.0004	A	
Apples	132	1	0.8	0.0002 ^	0.0001 ^	4 NT	-
Cantaloupe	162	0			0.015 ^	NT	-
Cauliflower	216	0			0.0001 ^	NT	-
Eggplant	736	0			0.029 ^	NT	-
Grapefruit	742	0	0.7	0.047 0.005	0.0005 - 0.015	2.5	-
Grapes	739	5	0.7	0.017 - 0.065	0.015 ^	0.40	-
Lettuce	333	0			0.0001 - 0.015	13	-
Orange Juice	744	0			0.015 ^	2.5	0.5 0.5
Oranges	741	0			0.015 ^	2.5 NT	0.5
Pears	394	0			0.015 ^		-
Watermelon	182 213	0			0.012 - 0.015 0.015 ^	0.5 0.50	-
Winter Squash TOTAL	<u>213</u> 5,334	<u>0</u> 6			0.015 /	0.50	-
Butylate (herbicide)							
Cantaloupe	308	0			0.016 ^	NT	-
Winter Squash	<u>276</u>	<u>0</u>			0.016 ^	NT	-
TOTAL	584	0					
Captafol (fungicide) (parent							
Cantaloupe	44	0			0.017 ^	NT	-
Grapes	523	0			0.015 ^	NT	-
Green Beans	127	0			0.030 ^	NT	-
Green Beans, Frozen	395	0			0.030 ^	NT	-
Pears	394	0			0.015 ^	NT	-
Watermelon Winter Squash	64 43	0			0.015 ^	NT NT	-
Winter Squash TOTAL	<u>43</u> 1,590	<u>0</u> 0			0.017 ^	IN I	-
Captan (fungicide) (parent of Apples	215 215	12	5.6	0.020 - 2.0	0.012 ^	25	25
Cantaloupe	80	0			0.012 ^	25	-
Eggplant	736	1	0.1	0.030 ^	0.018 ^	25	-
Grapes	721	121	16.8	0.012 - 1.2	0.008 - 0.012	50	-
Green Beans	127	5	3.9	0.008 - 0.46	0.005 ^	25	-
Green Beans, Frozen	412	0	-		0.005 - 0.012	25	-
Lettuce	216	0			0.012 ^	100	-
Orange Juice	506	0			0.012 ^	NT	-
Oranges	525	0			0.012 ^	NT	-
	555	61	11.0	0.012 - 2.1	0.008 - 0.012	25	25
Pears	555	01	11.0	0.012 - 2.1	0.000 - 0.012	25	25

Posticido / Commeditor	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	•				LODs, ppm	Level, ppm	ppm
Plums, Dried (Prunes)	153	1	0.7	0.060 ^	0.016 ^	100	-
Strawberries	737	517	70.1	0.020 - 12	0.012 - 0.038	25	20
Watermelon	123	0			0.008 - 0.010	25	-
Winter Squash	<u>79</u>	<u>0</u>			0.012 ^	25	-
TOTAL	5,758	718					
Carbaryl (insecticide)							
Apples	743	53	7.1	0.0005 - 0.32	0.0003 - 0.002	10.0	5
Cantaloupe	558	20	3.6	0.003 - 0.11	0.002 - 0.008	10	-
Cauliflower	741	1	0.1	0.0005 ^	0.0003 ^	10	-
Eggplant	736	22	3.0	0.017 - 0.14	0.010 ^	10	1
Grapefruit	719	13	1.8	0.003 - 0.039	0.002 - 0.006	10	7
Grapes	739	34	4.6	0.003 - 0.47	0.002 - 0.000	10	5
Green Beans			4.0				5
	181	2		0.017 - 0.53	0.002 - 0.010	10	-
Green Beans, Frozen	555	5	0.9	0.003 - 0.071	0.002 - 0.010	10	-
	743	1	0.1	0.004 ^	0.0003 - 0.002	10	-
Orange Juice	744	40	5.4	0.003 - 0.017	0.002 - 0.010	10	7
Oranges	741	14	1.9	0.003 - 0.12	0.002 - 0.010	10	7
Pears	555	61	11.0	0.003 - 0.33	0.002 - 0.010	10.0	5
Plums	573	49	8.6	0.017 - 0.11	0.010 ^	10	-
Plums, Dried (Prunes)	153	7	4.6	0.017 - 0.45	0.010 ^	10	-
Strawberries	733	21	2.9	0.003 - 0.44	0.002 ^	10	-
Watermelon	182	0			0.002 - 0.010	10	-
Winter Squash	731	<u>0</u>			0.002 - 0.008	10	-
TOTAL	10,127	343			0.002 0.000	10	
Apples Cauliflower Grapefruit Lettuce (V-34)	528 741 351 527	110 20 0 34	20.8 2.7 6.5	0.0002 - 0.16 0.0002 - 0.001 0.0002 - 0.0008	0.0001 - 0.0005 0.0001 - 0.0006 0.045 ^ 0.0001 - 0.0005	7.0 0.2 10.0 NT	3 - - -
Watermelon	<u>64</u>	<u>0</u>	0.0	0.0002 0.0000	0.010 ^	NT	
TOTAL	2,211	1 <u>6</u> 4			0.010		_
Carbofuran (insecticide) (pa	arout of 2 Uvdro	ww.oorbofuror					
Apples	528	-	1)		0.0003 ^	NT	_
		0	0.5	0.054 0.20		0.2	-
Cantaloupe	558	3	0.5	0.054 - 0.29	0.002 - 0.008		-
Cauliflower	741	0			0.0003 ^	NT	-
Grapes	523	0			0.010 ^	0.2	-
Green Beans							
	127	0			0.015 ^	NT	-
Green Beans, Frozen	395	0			0.015 ^	NT	-
Lettuce	395 527				0.015 ^ 0.0003 ^	NT NT	
	395	0			0.015 ^ 0.0003 ^ 0.010 ^	NT NT NT	- - -
Lettuce	395 527	0 0			0.015 ^ 0.0003 ^	NT NT	- - - -
Lettuce Orange Juice	395 527 528	0 0 0			0.015 ^ 0.0003 ^ 0.010 ^	NT NT NT	-
Lettuce Orange Juice Oranges	395 527 528 525	0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^	NT NT NT NT NT	
Lettuce Orange Juice Oranges Pears	395 527 528 525 394 733	0 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004	NT NT NT NT 0.2	
Lettuce Orange Juice Oranges Pears Strawberries Watermelon	395 527 528 525 394 733 182	0 0 0 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.010	NT NT NT NT 0.2 0.4	
Lettuce Orange Juice Oranges Pears Strawberries	395 527 528 525 394 733	0 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004	NT NT NT NT 0.2	
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL	395 527 528 525 394 733 182 <u>731</u> 6,492	0 0 0 0 0 0 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.010	NT NT NT NT 0.2 0.4	-
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici	395 527 528 525 394 733 182 <u>731</u> 6,492 de)	0 0 0 0 0 0 0 0 0 0 3			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008	NT NT NT 0.2 0.4 0.6	-
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528	0 0 0 0 0 0 0 0 3			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008	NT NT NT 0.2 0.4 0.6	-
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples Cauliflower	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528 741	0 0 0 0 0 0 0 0 3 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008 0.002 - 0.008	NT NT NT 0.2 0.4 0.6 NT NT	
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528	0 0 0 0 0 0 0 0 3			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008	NT NT NT 0.2 0.4 0.6	
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples Cauliflower Lettuce TOTAL	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528 741 <u>527</u>	0 0 0 0 0 0 0 0 3 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008 0.002 - 0.008	NT NT NT 0.2 0.4 0.6 NT NT	-
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples Cauliflower Lettuce TOTAL Carboxin (fungicide)	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528 741 <u>527</u> 1,796	0 0 0 0 0 0 0 3 0 0 0 0 0 3			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008 0.002 - 0.008	NT NT NT 0.2 0.4 0.6 NT NT	-
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples Cauliflower Lettuce TOTAL Carboxin (fungicide) Cantaloupe	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528 741 <u>527</u> 1,796	0 0 0 0 0 0 0 3 0 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT NT NT 0.2 0.4 0.6 NT NT NT	-
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples Cauliflower Lettuce TOTAL Carboxin (fungicide) Cantaloupe Green Beans	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528 741 <u>527</u> 1,796 44 54	0 0 0 0 0 0 0 3 0 0 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT NT NT 0.2 0.4 0.6 NT NT NT NT	- - - - - - - - - - - - -
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples Cauliflower Lettuce TOTAL Carboxin (fungicide) Cantaloupe Green Beans Green Beans, Frozen	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528 741 <u>527</u> 1,796 44 54 160	0 0 0 0 0 0 0 3 0 0 0 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT NT NT 0.2 0.4 0.6 NT NT NT NT NT 0.2 0.2	
Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Carbophenothion (insectici Apples Cauliflower Lettuce TOTAL Carboxin (fungicide) Cantaloupe Green Beans	395 527 528 525 394 733 182 <u>731</u> 6,492 de) 528 741 <u>527</u> 1,796 44 54	0 0 0 0 0 0 0 3 0 0 0 0 0 0			0.015 ^ 0.0003 ^ 0.010 ^ 0.010 ^ 0.002 - 0.004 0.002 - 0.008 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT NT NT 0.2 0.4 0.6 NT NT NT NT	

	Number of	Samples with	% of Samples	Pango of Voluce	Range of	EPA Toloranco	
Pesticide / Commodity	Samples	Detections	% of Samples with Detections	Range of Values Detected, ppm	LODs, ppm	Tolerance Level, ppm	MRL/EMRI ppm
Carfentrazone ethyl (herbicide)						
Apples	, 132	0			0.001 ^	0.10	-
Cauliflower	216	0			0.001 ^	0.10	-
Eggplant	736	0			0.030 ^	0.10	-
Grapes	523	0			0.008 ^	0.10	_
Lettuce	132	0			0.001 ^	0.10	-
Pears	394	0			0.008 ^	0.10	-
Watermelon	182	<u>0</u>			0.002 - 0.008	0.10	-
TOTAL	2,315	0			0.002 0.000	0.10	
Chlordane cis (insecticide) (iso	omer of Chlo	rdane)					
Apples	743	, O			0.0007 - 0.002	0.1 AL	0.02
Cantaloupe	558	0			0.002 - 0.004	0.1 AL	0.02
Cauliflower	741	0			0.0007 ^	0.1 AL	0.02
Eggplant	736	0			0.003 ^	0.1 AL	0.02
Grapefruit	730	0			0.002 - 0.020	0.1 AL	0.02
Grapes	523	0			0.002 ^	0.1 AL	0.02
Green Beans	181	0			0.0008 - 0.002	0.1 AL	0.02
Green Beans, Frozen	555	0			0.0008 - 0.002	0.1 AL	0.02
Lettuce	743	0			0.0007 - 0.002	0.1 AL	0.02
Orange Juice	744	0			0.002 - 0.012	0.1 AL	0.02
Oranges	741	0			0.002 - 0.012	0.1 AL	0.02
Pears	555	0			0.002 ^	0.1 AL	0.02
Plums	573	0			0.003 ^	0.1 AL	0.02
Plums, Dried (Prunes)	153	0			0.003 ^	0.1 AL	0.02
Watermelon	182	0			0.002 ^	0.1 AL	0.02
Winter Squash	<u>731</u>	<u>11</u>	1.5	0.003 - 0.025	0.002 - 0.004	0.1 AL	0.02
TOTAL	9,201	11					
Chlordane trans (insecticide) (isomer of Ch	lordane)					
Apples	743	0			0.0007 - 0.002	0.1 AL	0.02
Cantaloupe	558	0			0.002 - 0.004	0.1 AL	0.02
Cauliflower	741	0			0.0007 ^	0.1 AL	0.02
Eggplant	736	0			0.003 ^	0.1 AL	0.02
Grapefruit	214	0			0.002 ^	0.1 AL	0.02
Grapes	523	0			0.002 ^	0.1 AL	0.02
Green Beans	181	0			0.002 /		0.02
		Ū.				0.1 AL	
Green Beans, Frozen	555	0			0.0008 - 0.002	0.1 AL	0.02
	743	0			0.0007 - 0.002	0.1 AL	0.02
Orange Juice	744	0			0.002 - 0.012	0.1 AL	0.02
Oranges	741	0			0.002 - 0.012	0.1 AL	0.02
Pears	555	0			0.002 ^	0.1 AL	0.02
Plums	573	0			0.003 ^	0.1 AL	0.02
Plums, Dried (Prunes)	153	0			0.003 ^	0.1 AL	0.02
Watermelon	182	0			0.002 ^	0.1 AL	0.02
Winter Squash	<u>731</u>	<u>7</u>	1.0	0.003 - 0.007	0.002 - 0.004	0.1 AL	0.02
TOTAL	8,673	7					-
Chlorethoxyfos (insecticide)							
Cantaloupe	396	0			0.016 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u> 0			0.016 ^	NT	-
TOTAL	914	0					
Chlorfenapyr (insecticide)							
Eggplant	<u>736</u>	<u>0</u> 0			0.029 ^	1.0	-
TOTAL	736	0					

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRI
Pesticide / Commodity	Samples			•	LODs, ppm	Level, ppm	ppm
Chlorfenvinphos total (inse	cticide)						
Apples	528	0			0.004 ^	NT	-
Cauliflower	741	0			0.004 ^	NT	-
Lettuce	<u>527</u>				0.004 ^	NT	_
TOTAL	1,796	<u>0</u> 0			0.004		
	1,700	Ũ					
Chlorothalonil (fungicide)		_			0.005 0.000	-	
Cantaloupe	206	0			0.005 - 0.008	5	2
Eggplant (V-10)	736	10	1.4	0.012 - 0.073	0.007 ^	NT	-
Grapes	523	0			0.002 ^	NT	0.5
Green Beans	181	65	35.9	0.003 - 3.9	0.002 - 0.005	5	5
Green Beans, Frozen	555	0			0.002 - 0.008	5	5
Lettuce (V-2)	2	2	100.0	0.013 - 0.20	0.005 - 0.008	NT	-
Orange Juice	528	0			0.008 ^	NT	-
Oranges	525	0			0.008 ^	NT	-
Pears (V-2)	394	2	0.5	0.004 ^	0.002 ^	NT	-
Plums	573	0			0.008 ^	0.2	-
Plums, Dried (Prunes)	153	0			0.008 ^	0.2	-
Watermelon	182	0			0.002 - 0.010	5	_
Winter Squash	<u>256</u>	<u>14</u>	5.5	0.008 - 1.0	0.005 - 0.008	5	5
TOTAL	4,814	93	0.0	0.000 1.0	0.000 0.000	0	0
Chlorpropham (herbicide, g Apples (V-1)	528) 1	0.2	0.010 ^	0.006 ^	NT	_
Cantaloupe	396	0	0.2	0.010	0.017 ^	NT	_
Cauliflower (V-2)	741	2	0.3	0.010 ^	0.006 ^	NT	_
	523		0.5	0.010	0.000 ^	NT	-
Grapes		0	0.8	0.020 4			-
Green Beans (V-1)	127	1	0.8	0.038 ^	0.023 ^	NT	-
Green Beans, Frozen	395	0			0.023 ^	NT	-
Lettuce	527	0			0.006 ^	NT	-
Orange Juice	528	0			0.010 ^	NT	-
Oranges	525	0			0.010 ^	NT	-
Pears (V-1)	394	1	0.3	0.018 ^	0.011 ^	NT	-
Watermelon	64	0			0.011 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u> 5			0.017 ^	NT	-
TOTAL	5,266	5					
Chlorpyrifos (insecticide)							
Apples	743	8	1.1	0.002 - 0.013	0.001 - 0.004	1.5	1
Cantaloupe	558	21	3.8	0.007 - 0.016	0.004 ^	0.1	-
Cauliflower	741	7	0.9	0.002 - 0.010	0.001 ^	1.0	0.05
Eggplant	736	0			0.008 ^	0.1	-
Grapefruit	742	18	2.4	0.001 - 0.004	0.0008 - 0.004	1.0	1
Grapes	739	92	12.4	0.006 - 0.19	0.004 ^	0.5	0.5
Green Beans	181		12.4	0.000 - 0.13	0.004 - 0.005	0.05	0.01
		0	0.0	0.007.4			
Green Beans, Frozen	555	1	0.2	0.007 ^	0.004 - 0.005	0.05	0.01
Lettuce	743	19	2.6	0.002 - 0.060	0.001 - 0.004	0.1	-
Orange Juice	744	1	0.1	0.007 ^	0.004 ^	1.0	1
Oranges	741	28	3.8	0.007 - 0.017	0.004 ^	1.0	1
Pears	555	17	3.1	0.006 - 0.024	0.004 ^	0.05	1
Plums (X-3)	573	42	7.3	0.013 - 0.12	0.008 ^	0.05	0.5
Plums, Dried (Prunes)	153	0			0.008 ^	0.05	0.5
Strawberries	737	29	3.9	0.001 - 0.035	0.0008 - 0.004	0.2	0.3
Watermelon	182	0			0.004 ^	0.1	-
Winter Squash	<u>731</u>	<u>17</u>	2.3	0.007 - 0.029	0.004 ^	0.1	-
	10,154	300					
TOTAL							
	icide)						
Chlorpyrifos methyl (insecti		0			0.005 ^	NT	0.2
Chlorpyrifos methyl (insecti Grapes	175	0			0.005 ^	NT NT	0.2 0.1
Chlorpyrifos methyl (insecti		0 0 <u>0</u> 0			0.005 ^ 0.004 ^ 0.005 ^	NT NT NT	0.2 0.1

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Clofentezine (insecticide)							
Apples	347	1	0.3	0.19 ^	0.007 - 0.022	0.5	0.5
Cauliflower	92	0	0.5	0.15	0.022 ^	NT	-
	-						
Lettuce	132	0			0.022 ^	NT	-
Pears	161	1	0.6	0.012 ^	0.007 ^	0.5	0.5
Watermelon	<u>22</u>	<u>0</u>			0.007 ^	NT	-
TOTAL	754	2					
Clomazone (herbicide)							
Apples	513	0			0.002 ^	NT	-
Cantaloupe	558				0.008 - 0.040	0.05	_
•		0					-
Cauliflower	725	0			0.002 ^	NT	-
Grapes	523	0			0.015 ^	NT	-
Green Beans	181	0			0.005 - 0.008	0.05	-
Green Beans, Frozen	555	0			0.005 - 0.008	0.05	-
Lettuce	527	0			0.002 ^	NT	-
Orange Juice	528	0			0.008 ^	NT	-
•	525				0.008 ^	NT	-
Oranges		0					-
Pears	394	0			0.015 ^	NT	-
Watermelon	182	0			0.005 - 0.015	0.05	-
Winter Squash	<u>731</u>	<u>0</u>			0.008 - 0.040	0.1	-
TOTAL	5,942	0					
Clothianidin (insecticide) (a	lso a metabolita	of thismeth	ovam)				
Watermelon	<u>123</u>		unani)		0.002 - 0.010	NT	-
TOTAL	123	<u>0</u> 0			0.002 0.010		
Apples	528 527	0			0.006 ^	NT	-
Apples Lettuce TOTAL	528 <u>527</u> 1,055	0 <u>0</u> 0			0.006 ^ 0.006 ^	NT NT	-
Lettuce TOTAL	<u>527</u> 1,055	<u>0</u> 0					-
TOTAL Coumaphos oxygen analog	527 1,055 (metabolite of 0	0 0 Coumaphos)			0.006 ^	NT	-
Coumaphos oxygen analog Apples	527 1,055 (metabolite of 0 528	0 0 Coumaphos) 0			0.006 ^	NT	<u>.</u>
Coumaphos oxygen analog Apples Lettuce	527 1,055 (metabolite of 0 528 527	0 0 Coumaphos) 0 <u>0</u>			0.006 ^	NT	-
Coumaphos oxygen analog Apples	527 1,055 (metabolite of 0 528	0 0 Coumaphos) 0			0.006 ^	NT	-
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide)	527 1,055 (metabolite of 0 528 527 1,055	0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^	NT NT NT	:
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples	527 1,055 (metabolite of 0 528 527 1,055	0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^	NT NT NT	<u>.</u>
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe	527 1,055 (metabolite of 0 528 527 1,055 132 396	0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^	NT NT NT NT	:
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower	527 1,055 (metabolite of 0 528 527 1,055 132 396 216	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^	NT NT NT NT NT	:
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132	0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^	NT NT NT NT NT NT	:
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower	527 1,055 (metabolite of 0 528 527 1,055 132 396 216	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^	NT NT NT NT NT	- - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.002 ^	NT NT NT NT NT NT	- - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.002 ^	NT NT NT NT NT NT	- - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide)	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT NT NT NT NT NT	- - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^	NT NT NT NT NT NT NT 0.05	- - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^	NT NT NT NT NT NT NT 0.05 0.05	- - - - - - - - - - 0.5
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.016 ^	NT NT NT NT NT NT 0.05 0.05 2.5	- - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.030 - 0.14 0.030 ^ 0.14 - 0.27 0.067 ^	NT NT NT NT NT NT NT 0.05 0.05 2.5 0.05	- - - - - - - - - - 0.5
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.030 - 0.14 0.030 ^ 0.14 - 0.27 0.067 ^ 0.021 - 0.030	NT NT NT NT NT NT 0.05 0.05 2.5	- - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.030 - 0.14 0.030 ^ 0.14 - 0.27 0.067 ^	NT NT NT NT NT NT NT 0.05 0.05 2.5 0.05	- - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.030 - 0.14 0.030 ^ 0.14 - 0.27 0.067 ^ 0.021 - 0.030 0.023 - 0.030	NT NT NT NT NT NT NT NT 0.05 0.05 2.5 0.05 0.2 0.05	- - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes Green Beans	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742 739 127	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.030 - 0.14 0.030 ^ 0.014 - 0.27 0.067 ^ 0.021 - 0.030 0.023 - 0.030 0.045 ^	NT NT NT NT NT NT NT NT 0.05 0.05 2.5 0.05 0.2 0.05 0.05 0.05	- - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742 739 127 395	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.050 - 0.69	0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.003 0 - 0.003 0 - 0.	NT NT NT NT NT NT NT NT 0.05 0.05 0.05 0.2 0.05 0.05 0.05 0.05	- - - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742 739 127 395 743	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.9	0.050 - 0.68	0.006 ^ 0.008 ^ 0.008 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.003 0 - 0.14 0.003 0 - 0.030 0.023 - 0.030 0 - 0.030 0.045 ^ 0.030 - 0.27 0.030 - 0.27 0.	NT NT NT NT NT NT NT NT NT 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	- - - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742 739 127 395 743 743 743	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.050 - 0.68	0.006 ^ 0.008 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.003 ^ 0.0045 ^ 0.003 ^ 0.003 ^ 0.003 ^ 0.003 ^ 0.003 ^ 0.003 ^ 0.003 ^ 0.003 ^ 0.006 ^ 0.003 ^ 0.006 ^ 0.003 ^ 0.006 ^ 0.003 ^ 0.006 ^ 0.003 ^ 0.006 ^ 0.	NT NT NT NT NT NT NT NT NT 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	- - - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes Green Beans Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742 739 127 395 743 744 741	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.050 - 0.68	0.006 ^ 0.008 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.003 0 - 0.14 0.030 ^ 0.023 - 0.030 0.045 ^ 0.030 - 0.27 0.030 - 0.27 0.030 - 0.27 0.030 - 0.060 0.030 - 0.060 0.050 - 0.060 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.0	NT NT NT NT NT NT NT NT NT 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	- - - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742 739 127 395 743 744 744 741 555	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.050 - 0.68	0.006 ^ 0.008 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.003 0 - 0.14 0.030 ^ 0.023 - 0.030 0.045 ^ 0.030 - 0.27 0.030 - 0.27 0.030 - 0.27 0.030 - 0.060 0.030 - 0.060 0.023 - 0.030 0.023 - 0.030 0.023 - 0.030	NT NT NT NT NT NT NT NT NT 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	- - - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes Green Beans Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742 739 127 395 743 744 741	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.050 - 0.68	0.006 ^ 0.008 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.003 0 - 0.14 0.030 ^ 0.023 - 0.030 0.045 ^ 0.030 - 0.27 0.030 - 0.27 0.030 - 0.27 0.030 - 0.060 0.030 - 0.060 0.050 - 0.060 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.050 - 0.0	NT NT NT NT NT NT NT NT NT 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	- - - - - - - - - - - - - - - - - - -
Lettuce TOTAL Coumaphos oxygen analog Apples Lettuce TOTAL Cycloate (herbicide) Apples Cantaloupe Cauliflower Lettuce Winter Squash TOTAL Cyfluthrin (insecticide) Apples Cantaloupe Cauliflower Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears	527 1,055 (metabolite of 0 528 527 1,055 132 396 216 132 518 1,394 743 558 741 736 742 739 127 395 743 744 744 741 555	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.050 - 0.68	0.006 ^ 0.008 ^ 0.008 ^ 0.008 ^ 0.016 ^ 0.002 ^ 0.003 0 - 0.14 0.030 ^ 0.023 - 0.030 0.045 ^ 0.030 - 0.27 0.030 - 0.27 0.030 - 0.27 0.030 - 0.060 0.030 - 0.060 0.023 - 0.030 0.023 - 0.030 0.023 - 0.030	NT NT NT NT NT NT NT NT NT 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	- - - - - - - - - - - - - - - - - - -

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRL
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Watermelon	182	0			0.023 - 0.030	0.05	-
Winter Squash	<u>731</u>	<u>0</u>			0.030 ^	0.05	-
TOTAL	9,940	14					
Cyhalothrin, Total (Cyhalotl	hrin-L + R15783	6 epimer) (in	secticide) **				
Apples	528	2	0.4	0.010 - 0.023	0.006 - 0.020	0.30	0.2
Cantaloupe	396	0			0.016 ^	0.01	-
Cauliflower	741	0			0.006 - 0.020	0.4	-
Grapefruit	528	0			0.008 ^	0.01	-
Grapes	523	0			0.015 ^	0.01	-
Lettuce	527	65	12.3	0.010 - 0.37	0.006 ^	2.0	-
Orange Juice	528	0	-2-0		0.060 ^	0.01	-
Oranges	525	0			0.060 ^	0.01	_
•	394						0.2
Pears		0	0.0	0.014 0.47	0.015 ^	0.30	
Strawberries (X-2)	521	3	0.6	0.014 - 0.17	0.008 ^	0.01	-
Watermelon	123	0			0.015 ^	0.01	-
Winter Squash	<u>518</u>	<u>0</u>			0.016 ^	0.01	-
TOTAL	5,852	70					
Cyhalothrin, Lambda (inclu	des gamma isor	ner) (insectio	cide)				
Apples	213	0			0.006 ^	0.30	0.2
Cantaloupe	162	0			0.006 ^	0.01	-
Eggplant	736	0			0.038 ^	0.20	-
Grapefruit	214	0			0.006 ^	0.01	-
Grapes	216	1	0.5	0.010 ^	0.006 ^	0.01	-
Green Beans	181	0			0.006 - 0.030	0.20	-
Green Beans, Frozen	555	0 0			0.006 - 0.030	0.20	-
Lettuce	216	22	10.2	0.010 - 0.44	0.006 ^	2.0	_
	216		10.2	0.010 - 0.44	0.006 ^	0.01	_
Orange Juice		0					
Oranges	216	0	4.0	0.040.4	0.006 ^	0.01	-
Pears	161	3	1.9	0.010 ^	0.006 ^	0.30	0.2
Plums	573	0			0.039 ^	0.50	-
Plums, Dried (Prunes)	153	0			0.039 ^	0.50	-
Strawberries (X-2)	216	2	0.9	0.036 - 0.14	0.006 ^	0.01	-
Watermelon	59	0			0.006 ^	0.01	-
Winter Squash	<u>213</u>	<u>0</u>			0.006 ^	0.01	-
TOTAL	4,300	28					
Cyhalothrin, epimer R15783	6 (insecticide)						
Apples	213	0			0.006 ^	0.30	0.2
Cantaloupe	162	0			0.006 ^	0.01	-
Eggplant	124	0			0.077 ^	0.20	-
Grapefruit	214	0			0.006 ^	0.20	-
Grapes	214	0			0.006 ^	0.01	-
Green Beans	54				0.006 ^	0.01	-
	54 160	0			0.006 ^		-
Green Beans, Frozen	160 216	0	0.0	0.040 0.000		0.20	-
Lattuca	216	6	2.8	0.010 - 0.032	0.006 ^	2.0	-
Lettuce		-			0.006 ^	0.01	-
Orange Juice	216	0					-
Orange Juice Oranges	216 216	0			0.006 ^	0.01	
Orange Juice	216 216 161				0.006 ^	0.30	0.2
Orange Juice Oranges Pears Plums	216 216	0					0.2
Orange Juice Oranges Pears	216 216 161	0 0			0.006 ^	0.30	0.2 _ _
Orange Juice Oranges Pears Plums	216 216 161 46	0 0 0			0.006 ^ 0.047 ^	0.30 0.50	0.2 - - -
Orange Juice Oranges Pears Plums Plums, Dried (Prunes)	216 216 161 46 109	0 0 0 0			0.006 ^ 0.047 ^ 0.047 ^	0.30 0.50 0.50	0.2 - - -
Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash	216 216 161 46 109 216 59 <u>213</u>	0 0 0 0 0			0.006 ^ 0.047 ^ 0.047 ^ 0.006 ^	0.30 0.50 0.50 0.01	0.2
Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon	216 216 161 46 109 216 59	0 0 0 0			0.006 ^ 0.047 ^ 0.006 ^ 0.006 ^	0.30 0.50 0.50 0.01 0.01	- - -
Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Cypermethrin (insecticide)	216 216 161 46 109 216 59 <u>213</u> 2,594	0 0 0 0 0 0 0 6			0.006 ^ 0.047 ^ 0.006 ^ 0.006 ^ 0.006 ^	0.30 0.50 0.50 0.01 0.01 0.01	- - -
Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL	216 216 161 46 109 216 59 <u>213</u>	0 0 0 0 0			0.006 ^ 0.047 ^ 0.006 ^ 0.006 ^	0.30 0.50 0.50 0.01 0.01	- - -
Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Cypermethrin (insecticide)	216 216 161 46 109 216 59 <u>213</u> 2,594	0 0 0 0 0 0 0 6			0.006 ^ 0.047 ^ 0.006 ^ 0.006 ^ 0.006 ^	0.30 0.50 0.50 0.01 0.01 0.01	- - -
Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Cypermethrin (insecticide) Apples	216 216 161 46 109 216 59 <u>213</u> 2,594 743	0 0 0 0 0 0 6 0			0.006 ^ 0.047 ^ 0.006 ^ 0.006 ^ 0.006 ^	0.30 0.50 0.01 0.01 0.01 NT	- - - - 2
Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Cypermethrin (insecticide) Apples Cantaloupe	216 216 161 46 109 216 59 <u>213</u> 2,594 743 558	0 0 0 0 0 0 0 6 0 0 0			0.006 ^ 0.047 ^ 0.006 ^ 0.006 ^ 0.006 ^ 0.006 ^	0.30 0.50 0.01 0.01 0.01 NT NT	- - - 2

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMRI ppm
Green Beans	127		20000000	, pp	0.015 ^	0.5	0.5
		0	4.0	0.005 0.050			
Green Beans, Frozen	397	4	1.0	0.025 - 0.050	0.015 - 0.030	0.5	0.5
Lettuce	743	54	7.3	0.043 - 1.0	0.030 - 0.34	10.0	2
Orange Juice	528	0			0.035 ^	NT	2
Oranges	525	0			0.035 ^	NT	2
Pears	555	0			0.023 - 0.030	NT	2
Plums	573	0			0.067 ^	NT	1
Plums, Dried (Prunes)	153	0			0.067 ^	NT	1
Watermelon	182	0			0.020 - 0.030	NT	-
	731	-			0.030 ^	NT	
Winter Squash		<u>0</u>			0.030 ^	INT	-
TOTAL	7,815	58					
Cyprodinil (fungicide)							
Apples	215	2	0.9	0.013 ^	0.008 ^	0.1	0.05
Grapes	739	198	26.8	0.008 - 1.4	0.008 ^	2.0	3
Green Beans, Frozen	1	1	100.0	0.14 ^	0.082 ^	0.6	0.5
Pears	555	0			0.008 ^	0.1	1
Plums	573	7	1.2	0.013 - 0.079	0.008 ^	2.0	2
Plums, Dried (Prunes)	153	6	3.9	0.013 ^	0.008 ^	2.0	2
Strawberries	737	132	3.9 17.9	0.013 - 1.1		2.0 5.0	2
		-	17.9	0.013 - 1.1	0.008 - 0.092		2
Watermelon	<u>64</u>	<u>0</u>			0.008 ^	NT	-
TOTAL	3,037	346					
Cyromazine (insect growth	regulator)						
Apples	528	0			0.002 ^	NT	-
Cauliflower	741	0			0.002 ^	10.0	-
Lettuce	<u>527</u>	<u>17</u>	3.2	0.004 - 0.59	0.002 ^	7.0	5
TOTAL	1,796	17					
DCPA (herbicide)							
Apples	514	0			0.0007 ^	NT	_
	-		1 1	0.005 0.010			-
Cantaloupe	558	6	1.1	0.005 - 0.012	0.003 - 0.007	1	-
Cauliflower	741	57	7.7	0.001 - 0.006	0.0007 ^	5	-
Eggplant	736	0			0.006 ^	1	-
Grapes	523	0			0.002 ^	NT	-
Green Beans	181	0			0.002 - 0.006	2	-
Green Beans, Frozen	555	0			0.002 - 0.006	2	-
Lettuce	743	228	30.7	0.001 - 0.17	0.0007 - 0.006	2	-
Orange Juice	528	0			0.006 ^	NT	-
		-					_
Oranges	525	0			0.006 ^	NT	-
Pears	394	0			0.002 ^	NT	-
Strawberries	737	0			0.003 - 0.006	2	-
Watermelon	182	0			0.002 - 0.008	1	-
Winter Squash	<u>731</u>	<u>1</u>	0.1	0.043 ^	0.003 - 0.007	1	-
TOTAL	7,648	292					
DDD o,p' (metabolite of DDT	Γ)						
Apples	528	0			0.001 ^	0.1 AL	-
Cauliflower	741				0.001 ^	0.5 AL	
		0					-
Lettuce	<u>527</u>	<u>0</u>			0.001 ^	0.5 AL	-
TOTAL	1,796	0					
DDD p,p' (metabolite of DDT	Г)						
Apples	743	0			0.001 - 0.008	0.1 AL	-
Cantaloupe	558				0.004 - 0.020	0.1 AL	_
		0					-
Cauliflower	741	0			0.001 ^	0.5 AL	-
Eggplant	736	0			0.005 ^	0.1 AL	-
Grapefruit	742	0			0.004 - 0.016	0.1 AL	-
Grapes	739	0			0.004 - 0.008	0.05 AL	-
Green Beans	181	0			0.004 - 0.000	0.05 AL 0.2 AL	_
	101	0			0.000 - 0.010	U.Z AL	-
Green Beans, Frozen	555	0			0.004 - 0.010	0.2 AL	

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Lettuce	743	0			0.001 - 0.008	0.5 AL	-
Orange Juice	744	0			0.004 - 0.008	0.1 AL	-
Oranges	741	0			0.004 - 0.008	0.1 AL	-
Pears	555	0			0.004 - 0.008	0.1 AL	-
Plums	573	0			0.007 ^	0.2 AL	-
Plums, Dried (Prunes)	153	0			0.007 ^	0.2 AL	-
Watermelon	182	0			0.004 - 0.008	0.1 AL	-
Winter Squash	731	<u>0</u>			0.004 - 0.020	0.1 AL	-
TOTAL	9,417	Ō					
DDE p,p' (metabolite of DDT)							
Apples	743	0			0.002 - 0.007	0.1 AL	-
Cantaloupe	558	0			0.004 - 0.007	0.1 AL	-
Cauliflower	741	0			0.002 ^	0.5 AL	-
Eggplant	736	0			0.005 ^	0.1 AL	-
Grapefruit	742	0			0.004 - 0.010	0.1 AL	_
•	742	0			0.004 - 0.010	0.1 AL 0.05 AL	-
Grapes			1 4	0.002.4			-
Green Beans	181	2	1.1	0.003 ^	0.002 - 0.007	0.2 AL	-
Green Beans, Frozen	555	0			0.002 - 0.007	0.2 AL	-
Lettuce	743	109	14.7	0.003 - 0.015	0.002 - 0.007	0.5 AL	-
Orange Juice	744	0			0.004 - 0.007	0.1 AL	-
Oranges	741	0			0.004 - 0.007	0.1 AL	-
Pears	555	0			0.004 - 0.007	0.1 AL	-
Plums	573	0			0.006 ^	0.2 AL	-
Plums, Dried (Prunes)	153	0			0.006 ^	0.2 AL	-
Watermelon	182	0			0.004 - 0.005	0.1 AL	-
Winter Squash	<u>731</u>	<u>1</u>	0.1	0.007 ^	0.004 - 0.007	0.1 AL	-
TOTAL	9,417	112					
DDT o,p' (insecticide)							
Apples	513	0			0.001 ^	0.1 AL	-
Cauliflower	741	0			0.001 ^	0.5 AL	-
Lettuce	<u>527</u>	<u>3</u>	0.6	0.002 ^	0.001 ^	0.5 AL	-
TOTAL	1,781	3					
DDT p,p' (insecticide)							
Apples	743	0			0.002 - 0.008	0.1 AL	-
Cantaloupe	162	0			0.0004 - 0.008	0.1 AL	-
Cauliflower	741	1	0.1	0.003 ^	0.002 ^	0.5 AL	-
Eggplant	736	0			0.007 ^	0.1 AL	-
Grapefruit	742	0			0.004 - 0.029	0.1 AL	-
Grapes	739	0			0.004 - 0.008	0.05 AL	-
Green Beans	181	0			0.004 - 0.008	0.05 AL 0.2 AL	-
Green Beans, Frozen	555				0.008 - 0.010	0.2 AL 0.2 AL	-
		0	0.4	0.003 ^	0.004 - 0.010	0.2 AL 0.5 AL	-
Lettuce	743	3	0.4	0.003 ^			-
Orange Juice	744	0			0.004 - 0.008	0.1 AL	-
Oranges	741	0			0.004 - 0.008	0.1 AL	-
Pears	555	0			0.004 - 0.008	0.1 AL	-
Plums	573	0			0.010 ^	0.2 AL	-
Plums, Dried (Prunes)	153	0			0.010 ^	0.2 AL	-
Watermelon	123	0			0.004 - 0.005	0.1 AL	-
Winter Squash	<u>213</u>	<u>1</u>	0.5	0.007 ^	0.004 - 0.008	0.1 AL	-
TOTAL	8,444	5					
Deltamethrin (insecticide) (ir	ncludes parent	t Tralomethri	n)				
Apples	698	0			0.015 - 0.53	0.2	0.2
Cantaloupe	558	0			0.015 - 0.24	0.2	0.2
Cauliflower	216	0			0.080 ^	0.05	0.1
Eggplant							

Postisido / Commedito	Number of	Samples with	% of Samples with Detections	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Grapefruit	742	0			0.015 - 0.055	0.05	0.02
Grapes	739	0			0.015 - 0.023	0.05	0.2
Lettuce	216	1	0.5	0.025 ^	0.015 ^	0.05	0.5
Orange Juice	744	0			0.015 - 0.018	0.05	0.02
Oranges	741	0			0.015 - 0.018	0.05	0.02
Pears	555	0			0.015 - 0.023	0.05	-
Plums	573	0			0.052 ^	0.05	0.05
Plums, Dried (Prunes)	153	0			0.052 ^	0.05	0.05
Strawberries	737	0			0.015 - 0.11	0.05	0.2
Watermelon	182	0			0.015 - 0.023	0.2	0.2
Winter Squash	<u>731</u>	<u>0</u>			0.015 - 0.24	0.2	0.2
TOTAL	8,321	1			0.010 0.21	0.2	0.2
Diazinon (insecticide)							
Apples	743	13	1.7	0.003 - 0.13	0.002 ^	0.5	0.3
Cantaloupe	743 558		1.7	0.003 - 0.13	0.002 ~ 0.007	0.5	0.3
		0					0.2 -
Grapefruit	742	0	0 5	0.002 0.040	0.001 - 0.002	0.7	
Grapes	739	4	0.5	0.003 - 0.016	0.002 - 0.005	0.75	-
Green Beans	181	0			0.002 - 0.005	0.5	0.2
Green Beans, Frozen	555	0			0.002 - 0.005	0.5	0.2
Lettuce	743	98	13.2	0.003 - 0.027	0.002 ^	0.7	0.5
Orange Juice	744	0			0.002 ^	0.7	-
Oranges	741	0			0.002 ^	0.7	-
Pears	555	11	2.0	0.003 - 0.008	0.002 - 0.005	0.5	0.3
Plums	573	2	0.3	0.012 ^	0.007 ^	0.5	1
Plums, Dried (Prunes)	153	0			0.007 ^	0.5	1
Strawberries	737	3	0.4	0.002 - 0.005	0.001 - 0.002	0.5	0.1
Watermelon	182	0			0.002 - 0.005	0.75	_
Winter Squash	731	<u>0</u>			0.002 - 0.007	0.75	0.05
TOTAL	8,677	1 <u>3</u> 1			0.002 0.001	0.10	0.00
Diazinon oxygen analog (m	otabalita of Dia-	vinon)					
Apples	743	0			0.003 ^	NT	
Cantaloupe	558				0.003 - 0.016	NT	-
Cauliflower		0					-
	741	0			0.003 ^	NT	-
Grapefruit	214	0			0.003 ^	NT	-
Grapes	739	0			0.001 - 0.003	NT	-
Green Beans	180	0			0.003 - 0.005	NT	-
Green Beans, Frozen	555	0			0.003 - 0.005	NT	-
Lettuce	743	0			0.003 ^	NT	-
Orange Juice	744	0			0.003 ^	NT	-
Oranges	741	0			0.003 ^	NT	-
Pears	555	0			0.001 - 0.003	NT	-
Plums	573	0			0.011 ^	NT	-
Plums, Dried (Prunes)	153	0			0.011 ^	NT	-
Strawberries	216	0			0.003 ^	NT	-
Watermelon	182	0			0.001 - 0.012	NT	_
Winter Squash	<u>731</u>				0.003 - 0.012	NT	-
TOTAL	8,368	<u>0</u> 0			0.003 - 0.010		-
Dichlobenil (herbicide) Apples	728	0			0.005 - 0.019	0.5	-
TT 11	709	0			0.019 - 0.064	NT	-
Cauliflower		0			0.005 - 0.013	0.15	-
Cauliflower Grapes	607	U			0.019 ^	NT	-
Grapes	697 512	Δ			0.019.	INI	-
Grapes Lettuce	512	0				NIT	
Grapes Lettuce Orange Juice	512 528	0			0.005 ^	NT	-
Grapes Lettuce Orange Juice Oranges	512 528 525	0 0			0.005 ^	NT	-
Grapes Lettuce Orange Juice Oranges Pears	512 528 525 555	0 0 0			0.005 ^ 0.005 - 0.013	NT 0.5	-
Grapes Lettuce Orange Juice Oranges Pears Plums	512 528 525 555 573	0 0 0 0			0.005 ^ 0.005 - 0.013 0.011 ^	NT 0.5 0.15	- - -
Grapes Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes)	512 528 525 555 573 153	0 0 0 0			0.005 ^ 0.005 - 0.013 0.011 ^ 0.011 ^	NT 0.5 0.15 0.15	- - - -
Grapes Lettuce Orange Juice Oranges Pears Plums	512 528 525 555 573	0 0 0 0			0.005 ^ 0.005 - 0.013 0.011 ^	NT 0.5 0.15	

	Number of	Samples with	% of Samples	Pango of Values	Range of	EPA Tolerance	Codex MRL/EMRI
Pesticide / Commodity	Samples		with Detections	Range of Values Detected, ppm	LODs, ppm	Level, ppm	ppm
Dichlorvos - DDVP (insectic	ide) (also a met	abolite of Na	led)				
Apples	743	0			0.002 - 0.003	0.5	_
Cantaloupe	558	1	0.2	0.005 ^	0.002 - 0.003	0.5	-
Eggplant	736	0	0.2	0.000	0.004 ^	0.5	_
Grapefruit	742	0			0.0004 0.002	3	
•		-					-
Grapes	739	0			0.002 ^	0.5	-
Green Beans	181	0			0.002 - 0.006	0.5	-
Green Beans, Frozen	555	0			0.002 - 0.006	0.5	-
Lettuce	743	0			0.002 - 0.003	1	-
Orange Juice	744	0			0.002 ^	3	-
Oranges	741	1	0.1	0.003 ^	0.002 ^	3	-
Pears	394	0	0.1	0.000	0.002 ^	0.5	
							-
Plums	573	0			0.004 ^	0.5	-
Plums, Dried (Prunes)	153	0			0.004 ^	0.5	-
Strawberries	737	49	6.6	0.001 - 0.43	0.0007 - 0.002	1	-
Watermelon	182	0			0.002 - 0.003	0.5	-
Winter Squash	731	<u>0</u>			0.002 - 0.003	0.5	-
TOTAL	9,252	51					
Dicloran (funcicido)							
Dicloran (fungicide)	FOO	0			0.002 ^	NIT	
Apples	528	0				NT	-
Cantaloupe	396	0			0.010 ^	NT	-
Cauliflower	741	0			0.002 ^	NT	-
Grapes	739	31	4.2	0.006 - 0.18	0.004 - 0.008	10	7
Green Beans	181	1	0.6	0.014 ^	0.002 - 0.008	20	-
Green Beans, Frozen	555	0			0.002 - 0.008	20	-
Lettuce	743	9	1.2	0.003 - 0.013	0.002 - 0.008	10	_
			1.2	0.003 - 0.013			-
Orange Juice	528	0			0.008 ^	NT	-
Oranges	525	0			0.008 ^	NT	-
Pears (V-1)	395	1	0.3	0.013 ^	0.004 - 0.008	NT	-
Plums	573	8	1.4	0.017 - 1.1	0.010 ^	15	-
Plums, Dried (Prunes)	153	0			0.010 ^	15	-
Watermelon	64	0			0.004 ^	NT	_
					0.010 ^	NT	_
Winter Squash TOTAL	<u>518</u> 6,639	<u>0</u> 50			0.010	IN I	-
5 . () () () () () () () () () () () () ()							
Dicofol o,p' (insecticide)	500	-			0.000 0.015	-	
Apples	528	0			0.003 - 0.010	5	-
Cauliflower	725	0			0.003 - 0.040	NT	-
Lettuce	527	0			0.003 ^	NT	-
Strawberries	<u>521</u>				0.006 - 0.012	5	-
TOTAL	2,301	<u>0</u> 0				-	
Dicofol p,p' (isomer of Dicof							
		0			0.002 0.040	E	
Apples	743	0	0.0	0.047 0.045	0.003 - 0.040	5	-
Cantaloupe	558	11	2.0	0.017 - 0.045	0.010 - 0.018	5	0.2
Cauliflower	741	0			0.003 - 0.019	NT	-
Eggplant	736	5	0.7	0.017 - 0.11	0.010 ^	5	-
Grapefruit	742	0			0.010 - 0.022	10	5
Grapes	739	2	0.3	0.49 - 0.51	0.010 - 0.015	5	5
Green Beans	181	0			0.008 - 0.010	5	2
	555		1.1	0.012 - 0.044	0.008 - 0.010	5	2
Green Beans, Frozen		6					
Lettuce (V-1)	527	1	0.2	0.005 ^	0.003 ^	NT	-
Orange Juice	744	0			0.010 ^	10	5
Oranges	741	4	0.5	0.017 ^	0.010 ^	10	5
Pears	555	1	0.2	0.14 ^	0.010 - 0.015	5	-
Plums	573	5	0.9	0.040 - 0.94	0.024 ^	5	1
Plums, Dried (Prunes)	153	3	2.0	0.040 - 0.085	0.024 ^	5	1
Strawberries	737	3	0.4	0.040 - 0.085	0.010 - 0.020	5	
			0.4	0.017 - 0.70			-
Watermelon	182	0			0.010 - 0.015	5	-
	704	<u>^</u>			0.040 0.040	5	1
Winter Squash TOTAL	<u>731</u> 9,938	<u>0</u> 41			0.010 - 0.018	5	1

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRI
Pesticide / Commodity	Samples	Detections	•	Detected, ppm	LODs, ppm	Level, ppm	ppm
Dieldrin (insecticide) (also a	metabolite of A	Aldrin)					
Apples	743	0			0.003 - 0.006	0.03 AL	0.05
Cantaloupe	558	7	1.3	0.005 - 0.010	0.003 - 0.018	0.1 AL	0.1
Cauliflower	741	0			0.005 ^	0.03 AL	-
Eggplant	736	0			0.004 ^	0.05 AL	0.1
Grapefruit	742	0			0.003 - 0.006	0.02 AL	0.05
Grapes	523	0			0.005 ^	0.02 AL	-
Green Beans	181	0			0.0008 - 0.006	0.05 AL	0.05
Green Beans, Frozen	555	-			0.0008 - 0.006	0.05 AL 0.05 AL	0.05
		0					
Lettuce	743	0			0.003 - 0.006	0.03 AL	0.05
Orange Juice	744	0			0.003 - 0.006	0.02 AL	0.05
Oranges	741	0			0.003 - 0.006	0.02 AL	0.05
Pears	555	0			0.003 - 0.006	0.03 AL	0.05
Plums	573	0			0.005 ^	0.3 AL	-
Plums, Dried (Prunes)	153	0			0.005 ^	0.3 AL	-
Watermelon	182	1	0.5	0.005 ^	0.003 - 0.005	0.1 AL	0.1
Winter Squash	<u>731</u>	<u>48</u>	6.6	0.005 - 0.17	0.003 - 0.018	0.1 AL	0.1
TOTAL	9,201	56					
Difenoconazole (fungicide)							
Cantaloupe	396	0			0.072 ^	NT	-
Watermelon	64	0			0.005 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.072 ^	NT	-
TOTAL	978	Ō					
Diflubenzuron (insecticide)							
Apples (V-23)	469	23	4.9	0.011 - 0.14	0.007 ^	NT	5
Cauliflower	617	0	-		0.007 - 0.022	NT	_
Grapefruit	214	0			0.007 ^	0.5	0.5
Lettuce	497	0			0.007 ^	NT	-
Orange Juice	744	0			0.007 - 0.010	0.5	0.5
Oranges	741	0			0.0007 - 0.010	0.5	0.5
Pears	161	<u>1</u>	0.6	0.036 ^	0.007 ^	0.50	5
TOTAL	3,443	24					-
Dimethenamid (herbicide)							
Cantaloupe	396	0			0.016 ^	NT	-
Winter Squash	<u>518</u>				0.016 ^	NT	-
TOTAL	<u>914</u>	<u>0</u> 0			01010		
Dimethoate (insecticide) (par Apples	rent of Ometho 743	ate) 5	0.7	0.004 - 0.057	0.002 ^	2	-
Cantaloupe	558	25	4.5	0.003 - 0.29	0.002 - 0.007	1	-
Cauliflower	741	42	5.7	0.004 - 0.026	0.002 ^	2	2
Grapefruit	742	0			0.002 - 0.003	2	2
Grapes	739	5	0.7	0.008 - 0.032	0.002 - 0.005	1	-
Green Beans	181	18	9.9	0.003 - 2.0	0.002 - 0.005	2	-
Green Beans, Frozen	555	7	1.3	0.003 - 0.040	0.002 - 0.005	2	-
Lettuce	743	76	10.2	0.003 - 0.11	0.002 ^	2	2
Orange Juice	726	0			0.002 ^	2	2
Oranges	741	2	0.3	0.003 ^	0.002 ^	2	2
Pears	555	0			0.002 - 0.005	2	1
Strawberries (V-1)	1	1	100.0	0.003 ^	0.002 ^	NT	-
Watermelon	182	1	0.5	0.003 ^	0.002 - 0.005	1	-
Winter Squash	<u>518</u>	<u>0</u>	-		0.007 ^	NT	-
TOTAL	7,725	182					
IOTAL							
Dimethomorph (fungicide) Apples	528	0			0.002 ^	NT	-

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMR ppm
· · · · · · · · · · · · · · · · · · ·				<i>;</i> • • •			
Cauliflower (V-2)	741	2	0.3	0.003 ^	0.002 ^	NT	-
Eggplant	736	0			0.084 ^	1.5	-
Grapes	216	0			0.050 ^	3.5	-
Lettuce	743	212	28.5	0.003 - 4.2	0.002 - 0.10	10	-
Orange Juice	528	0			0.030 ^	NT	-
Oranges	525	0			0.030 ^	NT	-
Watermelon	118	<u>0</u>			0.040 - 0.050	0.5	-
TOTAL	4,171	2 ¹ 4				0.0	
Dinotefuran (insecticide)							
Watermelon	<u>59</u>	0			0.0005 - 0.005	0.5	-
TOTAL	59	<u>0</u> 0					
Diphenamid (herbicide)							
Apples	528	0			0.010 ^	NT	-
Cantaloupe (V-1)	396	1	0.3	0.030 ^	0.018 ^	NT	_
Cauliflower	741	0	0.0	0.000	0.010 ^	NT	_
							-
Green Beans	127	0			0.015 ^	NT	-
Green Beans, Frozen	395	0			0.015 ^	NT	-
Lettuce	527	0			0.010 ^	NT	-
Orange Juice	528	0			0.006 ^	NT	-
Oranges	525	0			0.006 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.018 ^	NT	-
TOTAL	4,285	<u>5</u> 1			0.010		
Diphenylamine - DPA (fungi	cide)						
Apples	743	616	82.9	0.005 - 2.9	0.003 - 0.010	10.0	10
Cantaloupe (V-4)	540	4	0.7	0.014 ^	0.008 - 0.010	NT	10
,			0.7	0.014			-
Cauliflower	741	0			0.003 ^	NT	-
Grapes	523	0			0.015 ^	NT	-
Green Beans	127	0			0.015 ^	NT	-
Green Beans, Frozen	395	0			0.015 ^	NT	-
Lettuce	527	0			0.003 ^	NT	-
Orange Juice	528	0			0.010 ^	NT	-
Oranges	525	0			0.010 ^	NT	-
-		-	<u> </u>	0.047 0.07			
Pears	555	35	6.3	0.017 - 0.67	0.010 - 0.015	10	5
Watermelon	86	0			0.010 - 0.015	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.008 ^	NT	-
TOTAL	5,808	655					
Disulfoton (insecticide)							
Apples	528	0			0.002 ^	NT	-
Cantaloupe	396	0			0.007 ^	NT	-
Cauliflower	741	0			0.002 ^	0.75	0.5
Grapes	523	0			0.002	NT	-
•		-					-
Green Beans	181	0			0.003 - 0.008	0.75	0.2
Green Beans, Frozen	555	0			0.003 - 0.008	0.75	0.2
Lettuce	743	0			0.002 - 0.003	0.75	0.5
Pears	394	0			0.004 ^	NT	-
Watermelon	64	0			0.004 ^	NT	-
Winter Squash	518	<u>0</u>			0.007 ^	NT	0.5
TOTAL	4,643	<u>0</u>					
Disulfoton sulfone (metabol	lite of Disulfoto	n)					
Apples	528	0			0.006 ^	NT	-
Cantaloupe	396				0.009 ^	NT	_
•		0					
Cauliflower	741	0			0.006 ^	0.75	0.5
Grapes	523	0			0.004 ^	NT	-
Green Beans	181	0			0.004 - 0.005	0.75	0.2
	555	0			0.004 - 0.005	0.75	0.2
Green Beans, Frozen	555	0			0.001 0.000	0.1.0	
Green Beans, Frozen Lettuce	743	0			0.004 - 0.006	0.75	0.5

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRI
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Watermelon	64	0			0.004 ^	NT	-
Winter Squash	<u>518</u>				0.009 ^	NT	0.5
TOTAL	4,643	<u>0</u> 0					
Diuron (herbicide)							
Apples	743	0			0.008 - 0.011	1	-
Cauliflower	741	0			0.008 ^	NT	-
Grapefruit	214	0			0.011 ^	1	-
Grapes	216	0			0.011 ^	1	-
Lettuce	527	0			0.008 ^	NT	-
Orange Juice	744	0			0.010 - 0.011	1	-
Oranges	741	1	0.1	0.017 ^	0.010 - 0.012	1	-
Pears TOTAL	<u>161</u> 4,087	<u>0</u> 1			0.011 ^	1	-
Endosulfan I (insecticide)	700	47	0.0	0.000 0.04	0.002 0.002	2.0	4
Apples	733 558	17 4	2.3 0.7	0.008 - 0.31	0.003 - 0.006	2.0 2.0	1 0.5
Cantaloupe Cauliflower	558 725		0.7	0.005 - 0.008	0.003 - 0.007 0.006 ^	2.0 2.0	0.5 0.5
Eggplant	725 736	0 20	2.7	0.007 - 0.049	0.006 ^	2.0 2.0	0.5 -
Grapes	739	20	2.1	0.007 - 0.049	0.002 - 0.005	2.0	1
Green Beans	181	79	43.6	0.003 - 0.13	0.002 - 0.005	2.0	0.5
Green Beans, Frozen	555	0	40.0	0.000 0.10	0.002 - 0.005	2.0	0.5
Lettuce	743	66	8.9	0.005 - 0.35	0.003 - 0.006	2.0	1
Orange Juice	546	0	0.0	0.000 0.00	0.005 ^	NT	0.5
Oranges	525	0			0.005 ^	NT	0.5
Pears	555	2	0.4	0.016 - 0.017	0.002 - 0.005	2.0	1
Plums	573	0			0.004 ^	2.0	1
Plums, Dried (Prunes)	153	0			0.004 ^	2.0	1
Strawberries	737	4	0.5	0.053 - 0.22	0.003 - 0.006	2.0	-
Watermelon	104	0			0.002 - 0.003	2.0	-
Winter Squash TOTAL	<u>731</u> 8,894	<u>10</u> 202	1.4	0.005 - 0.027	0.003 - 0.007	2.0	0.5
	0,001	-0-					
Endosulfan II (isomer of En	,	00	2.0	0.010 0.11	0.004 0.000	2.0	
Apples	743 558	22	3.0	0.010 - 0.14	0.004 - 0.006	2.0 2.0	1 0.5
Cantaloupe Cauliflower	558 741	0			0.004 - 0.007 0.006 - 0.020	2.0	0.5 0.5
	736	0 63	8.6	0.007 - 0.071	0.008 - 0.020	2.0	0.5
Eggplant Grapes		0	0.0	0.007 - 0.071	0.004 - 0.013	2.0	-
					0.004 0.015	2.0	
	695 181		32.0	0 003 - 0 15	0 002 - 0 006	2.0	
Green Beans	181	58	32.0	0.003 - 0.15	0.002 - 0.006 0.002 - 0.006	2.0 2.0	0.5
			32.0 6.2	0.003 - 0.15 0.007 - 0.39	0.002 - 0.006 0.002 - 0.006 0.004 - 0.006	2.0 2.0 2.0	
Green Beans Green Beans, Frozen	181 555	58 0			0.002 - 0.006	2.0	0.5 0.5
Green Beans Green Beans, Frozen Lettuce	181 555 743	58 0 46			0.002 - 0.006 0.004 - 0.006	2.0 2.0	0.5 0.5 1
Green Beans Green Beans, Frozen Lettuce Orange Juice	181 555 743 546	58 0 46 0			0.002 - 0.006 0.004 - 0.006 0.006 ^	2.0 2.0 NT	0.5 0.5 1 0.5
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums	181 555 743 546 525	58 0 46 0 0	6.2	0.007 - 0.39	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.006 ^ 0.004 - 0.013 0.004 ^	2.0 2.0 NT NT	0.5 0.5 1 0.5 0.5
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears	181 555 743 546 525 533 573 153	58 0 46 0 0 3	6.2 0.6	0.007 - 0.39	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^	2.0 2.0 NT NT 2.0	0.5 0.5 1 0.5 0.5 1
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries	181 555 743 546 525 533 573 153 737	58 0 46 0 3 0 0 11	6.2	0.007 - 0.39	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 ^	2.0 2.0 NT 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 0.5 1 1
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon	181 555 743 546 525 533 573 153 737 104	58 0 46 0 3 0 0 11 0	6.2 0.6 1.5	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 ^ 0.004 ^	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 0.5 1 1 1 -
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash	181 555 743 546 525 533 573 153 737 104 <u>731</u>	58 0 46 0 3 0 0 11 0 5	6.2 0.6	0.007 - 0.39 0.010 - 0.046	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 ^	2.0 2.0 NT 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 0.5 1 1 1
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon	181 555 743 546 525 533 573 153 737 104	58 0 46 0 3 0 0 11 0	6.2 0.6 1.5	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 ^ 0.004 ^	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 0.5 1 1 1 -
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Endosulfan sulfate (metabo	181 555 743 546 525 533 573 153 737 104 <u>731</u> 8,854	58 0 46 0 3 0 0 11 0 <u>5</u> 208 an)	6.2 0.6 1.5 0.7	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27 0.007 - 0.012	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 ^ 0.004 - 0.007	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 0.5 1 1 1 - 0.5
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Endosulfan sulfate (metabo Apples	181 555 743 546 525 533 573 153 737 104 <u>731</u> 8,854 olite of Endosulf 743	58 0 46 0 3 0 0 11 0 <u>5</u> 208 an) 11	6.2 0.6 1.5 0.7 1.5	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27 0.007 - 0.012 0.007 - 0.12	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.007 0.004 - 0.007	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 0.5 1 1 1 - 0.5
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Endosulfan sulfate (metabo Apples Cantaloupe	181 555 743 546 525 533 573 153 737 104 <u>731</u> 8,854 blite of Endosulf 743 558	58 0 46 0 3 0 0 11 0 <u>5</u> 208 an) 11 159	6.2 0.6 1.5 0.7	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27 0.007 - 0.012	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.007 0.004 - 0.007	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 1 1 1 - 0.5
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Endosulfan sulfate (metabo Apples Cantaloupe Cauliflower	181 555 743 546 525 533 573 153 737 104 <u>731</u> 8,854 olite of Endosulf 743 558 741	58 0 46 0 3 0 0 11 0 <u>5</u> 208 an) 11 159 0	6.2 0.6 1.5 0.7 1.5 28.5	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27 0.007 - 0.012 0.007 - 0.12 0.007 - 0.094	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.007 0.004 - 0.007 0.004 - 0.020 0.004 - 0.020 0.004 - 0.020	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 1 1 1 - 0.5 1 0.5 0.5
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Endosulfan sulfate (metabo Apples Cantaloupe Cauliflower Eggplant	181 555 743 546 525 533 573 153 737 104 <u>731</u> 8,854 olite of Endosulf 743 558 741 736	58 0 46 0 3 0 0 11 0 <u>5</u> 208 an) 11 159 0 87	6.2 0.6 1.5 0.7 1.5	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27 0.007 - 0.012 0.007 - 0.12	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.007 0.004 - 0.007 0.004 - 0.020 0.004 - 0.020 0.004 - 0.007 0.020 ^ 0.006 ^	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 1 1 1 - 0.5 1 0.5 0.5
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Endosulfan sulfate (metabo Apples Cantaloupe Cauliflower Eggplant Grapes	181 555 743 546 525 533 573 153 737 104 <u>731</u> 8,854 olite of Endosulf 743 558 741 736 739	58 0 46 0 3 0 11 0 <u>5</u> 208 an) 11 159 0 87 0	6.2 0.6 1.5 0.7 1.5 28.5 11.8	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27 0.007 - 0.012 0.007 - 0.12 0.007 - 0.094 0.010 - 0.083	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.007 0.004 - 0.007 0.004 - 0.020 0.004 - 0.007 0.020 ^ 0.006 ^ 0.004 - 0.007	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 1 1 1 - 0.5 1 0.5 - 1
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Endosulfan sulfate (metabo Apples Cantaloupe Cauliflower Eggplant Grapes Green Beans	181 555 743 546 525 533 573 153 737 104 <u>731</u> 8,854 0lite of Endosulf 743 558 741 736 739 181	58 0 46 0 3 0 11 0 <u>5</u> 208 an) 11 159 0 87 0 87 0 106	6.2 0.6 1.5 0.7 1.5 28.5 11.8 58.6	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27 0.007 - 0.012 0.007 - 0.12 0.007 - 0.094 0.010 - 0.083 0.003 - 0.47	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.007 0.004 - 0.007 0.004 - 0.020 0.004 - 0.007 0.020 ^ 0.006 ^ 0.004 - 0.007 0.002 - 0.007	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 1 1 1 - 0.5 1 0.5 - 1 0.5
Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Endosulfan sulfate (metabo Apples Cantaloupe Cauliflower Eggplant Grapes	181 555 743 546 525 533 573 153 737 104 <u>731</u> 8,854 olite of Endosulf 743 558 741 736 739	58 0 46 0 3 0 11 0 <u>5</u> 208 an) 11 159 0 87 0	6.2 0.6 1.5 0.7 1.5 28.5 11.8	0.007 - 0.39 0.010 - 0.046 0.007 - 0.27 0.007 - 0.012 0.007 - 0.12 0.007 - 0.094 0.010 - 0.083	0.002 - 0.006 0.004 - 0.006 0.006 ^ 0.004 - 0.013 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.007 0.004 - 0.007 0.004 - 0.020 0.004 - 0.007 0.020 ^ 0.006 ^ 0.004 - 0.007	2.0 2.0 NT 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	0.5 0.5 1 0.5 1 1 1 - 0.5 1 0.5 - 1

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMF
esticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Oranges	525	0			0.006 ^	NT	0.5
Pears	555	9	1.6	0.006 - 0.052	0.004 - 0.007	2.0	1
Plums	573	0			0.006 ^	2.0	1
Plums, Dried (Prunes)	153	0			0.006 ^	2.0	1
,		-	1.0	0.007 0.050		-	
Strawberries	737	14	1.9	0.007 - 0.050	0.004 - 0.008	2.0	-
Watermelon	104	1	1.0	0.006 ^	0.004 ^	2.0	-
Winter Squash	<u>731</u>	<u>128</u>	17.5	0.007 - 0.060	0.004 - 0.007	2.0	0.5
TOTAL	8,920	577					
Endrin (insecticide)							
Apples	528	0			0.007 ^	NT	-
Cantaloupe	558	0			0.004 - 0.040	0.05 AL	0.05
Cauliflower	741	0			0.007 - 0.022	0.05 AL	0.00
							_
Eggplant	736	0			0.004 ^	0.05 AL	-
Grapes	523	0			0.002 ^	NT	-
Green Beans	181	0			0.001 - 0.008	0.05 AL	-
Green Beans, Frozen	555	0			0.001 - 0.008	0.05 AL	-
Lettuce	743	0			0.004 - 0.008	0.05 AL	-
Pears	394	0			0.002 ^	NT	-
Watermelon	182	0			0.002 - 0.008	0.05 AL	0.05
Winter Squash	731				0.002 - 0.008	0.05 AL 0.05 AL	0.05
TOTAL	5,872	<u>0</u> 0			0.004 - 0.040	0.05 AL	0.05
//							
EPTC (herbicide)		_			0.007		
Apples	528	0			0.064 ^	NT	-
Cauliflower	741	0			0.064 ^	0.1	-
Eggplant	736	0			0.016 ^	0.1	-
Lettuce	513	0			0.064 ^	0.1	-
Orange Juice	528	0			0.020 ^	0.1	_
Oranges		-			0.020 ^	0.1	
Oranges	525	<u>0</u>			0.020 ^	0.1	-
TOTAL	3,571	ō					
TOTĂL		0					
TOTĂL Esfenvalerate (insecticide)	(isomer of Fenva	0 lerate)			0.054.0	0.05	
TOTĂL Esfenvalerate (insecticide) Eggplant	(isomer of Fenva) 736	0 lerate) 0			0.054 ^	0.05	-
TOTĂL Esfenvalerate (insecticide) Eggplant Grapefruit	(isomer of Fenva 736 528	0 lerate) 0 0			0.013 ^	0.05	-
TOTAL Esfenvalerate (insecticide) Eggplant	(isomer of Fenva) 736	0 lerate) 0	0.2	0.10 ^			- -
TOTĂL Esfenvalerate (insecticide) Eggplant Grapefruit	(isomer of Fenva 736 528	0 lerate) 0 1	0.2	0.10 ^	0.013 ^	0.05	- - -
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1)	(isomer of Fenva 736 528 573	0 lerate) 0 0	0.2	0.10 ^	0.013 ^ 0.060 ^	0.05 0.05	-
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL	(isomer of Fenva 736 528 573 <u>153</u> 1,990	0 lerate) 0 1 <u>0</u> 1	0.2	0.10 ^	0.013 ^ 0.060 ^	0.05 0.05	- - -
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide	0 lerate) 0 1 <u>0</u> 1			0.013 ^ 0.060 ^ 0.060 ^	0.05 0.05 0.05	-
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743	0 lerate) 0 1 <u>0</u> 1 2) 3	0.2	0.10 ^	0.013 ^ 0.060 ^ 0.060 ^	0.05 0.05 0.05 2.0	- 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558	0 lerate) 0 1 <u>0</u> 1 1 2) 3 0			0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042	0.05 0.05 0.05 2.0 1.0	- 2 0.2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727	0 lerate) 0 1 0 1 1 2) 3 0 0			0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12	0.05 0.05 0.05 2.0 1.0 0.5	- 2 0.2 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214	0 lerate) 0 1 0 1 1 2) 3 0 0 0	0.4	0.025 ^	0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 0.015 ^	0.05 0.05 0.05 2.0 1.0 0.5 0.05	- 0.2 2 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727	0 lerate) 0 1 2 1 3 0 0 0 0 1	0.4 0.1	0.025 ^	0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12	0.05 0.05 0.05 2.0 1.0 0.5 0.05 0.05	- 2 0.2 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214	0 lerate) 0 1 0 1 1 2) 3 0 0 0	0.4	0.025 ^	0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 0.015 ^	0.05 0.05 0.05 2.0 1.0 0.5 0.05	- 0.2 2 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181	0 lerate) 0 1 2 1 3 0 0 0 1 7	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 0.015 ^ 0.015 - 0.038 0.015 - 0.050	0.05 0.05 0.05 2.0 1.0 0.5 0.05 0.05 2.0	- 0.2 2 1 1
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555	0 lerate) 0 1 0 1 1 2) 3 0 0 0 1 7 1	0.4 0.1	0.025 ^	0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 0.015 ^ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.050	0.05 0.05 0.05 2.0 1.0 0.5 0.05 0.05 2.0 2.0	- 0.2 2 1 1 1
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729	0 lerate) 0 1 0 1 1 2) 3 0 0 0 1 7 1 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 0.015 ^ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.050 0.015 - 0.29	0.05 0.05 0.05 2.0 1.0 0.5 0.05 0.05 2.0 2.0 2.0 5.0	- 0.2 2 1 1 1 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice	(isomer of Fenva 736 528 573 153 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744	0 lerate) 0 1 0 1 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 0.015 ^ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.050 0.015 - 0.29 0.015 - 0.051	0.05 0.05 0.05 2.0 1.0 0.5 0.05 0.05 2.0 2.0 2.0 5.0 0.05	- 0.2 2 1 1 1 2 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741	0 lerate) 0 1 2 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ $0.015 \land$ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.050 0.015 - 0.29 0.015 - 0.051	0.05 0.05 0.05 2.0 1.0 0.5 0.05 0.05 2.0 2.0 2.0 5.0 0.05 0.05	- 0.2 2 1 1 1 2 2 2 2 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice	(isomer of Fenva 736 528 573 153 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744	0 lerate) 0 1 0 1 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	0.013 ^ 0.060 ^ 0.060 ^ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 0.015 ^ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.050 0.015 - 0.29 0.015 - 0.051	0.05 0.05 0.05 2.0 1.0 0.5 0.05 0.05 2.0 2.0 2.0 5.0 0.05	- 0.2 2 1 1 1 2 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741	0 lerate) 0 1 2 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ $0.015 \land$ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.050 0.015 - 0.29 0.015 - 0.051	0.05 0.05 0.05 2.0 1.0 0.5 0.05 0.05 2.0 2.0 2.0 5.0 0.05 0.05	- 0.2 2 1 1 1 2 2 2 2 2
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Strawberries	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741	0 lerate) 0 1 0 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ $0.015 \land$ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.050 0.015 - 0.051 0.015 - 0.038 0.015 - 0.038 0.015 - 0.038 0.015 - 0.020	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 5.0 0.05 0.05 2.0 0.05 2.0 0.05	- 0.2 2 1 1 2 2 2 1 2 2 2 1
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Strawberries Watermelon	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741 555 737 123	0 lerate) 0 1 0 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ $0.015 \land 0.050$ 0.015 - 0.050 0.015 - 0.050 0.015 - 0.051 0.015 - 0.051 0.015 - 0.038 0.015 - 0.020 0.015 - 0.038	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 5.0 0.05 0.05 2.0 0.05 2.0 0.05 2.0	- 0.2 2 1 1 2 2 2 2 2 2 1 0.5
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Strawberries	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741	0 lerate) 0 1 0 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ $0.015 \land$ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.050 0.015 - 0.051 0.015 - 0.038 0.015 - 0.038 0.015 - 0.038 0.015 - 0.020	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 5.0 0.05 0.05 2.0 0.05 2.0 0.05	- 0.2 2 1 1 2 2 2 2 2 2 2 1
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741 555 737 123 731	0 lerate) 0 1 0 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ $0.015 \land 0.050$ 0.015 - 0.050 0.015 - 0.050 0.015 - 0.051 0.015 - 0.051 0.015 - 0.038 0.015 - 0.020 0.015 - 0.038	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 5.0 0.05 0.05 2.0 0.05 2.0 0.05 2.0	- 0.2 2 1 1 2 2 2 2 2 2 2 1 0.5
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Ethalfluralin (herbicide)	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741 555 737 123 731 8,077	0 lerate) 0 1 0 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 1 7 1 0 0 1 2 1 1 2 1 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land 0.060 \land 0.060 \land 0.060 \land 0.060 \land$ $0.015 - 0.12 \land 0.015 - 0.042 \land 0.029 - 0.12 \land 0.015 \land 0.050 \land 0.015 - 0.050 \land 0.015 - 0.050 \land 0.015 - 0.051 \land 0.015 - 0.051 \land 0.015 - 0.051 \land 0.015 - 0.038 \land 0.015 - 0.038 \land 0.015 - 0.038 \land 0.015 - 0.042$	0.05 0.05 0.05 1.0 0.5 0.05 2.0 2.0 2.0 2.0 5.0 0.05 2.0 0.05 2.0 0.05 1.0 1.0 1.0	- 0.2 2 1 1 2 2 2 2 2 2 2 1 0.5
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Ethalfluralin (herbicide) Apples	(isomer of Fenva 736 528 573 <u>153</u> 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741 555 737 123 <u>731</u> 8,077	0 lerate) 0 1 0 1 3 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land 0.060 \land 0.060 \land 0.060 \land 0.060 \land$ $0.015 - 0.12 \land 0.015 - 0.042 \land 0.029 - 0.12 \land 0.015 \land 0.050 \land 0.015 - 0.050 \land 0.015 - 0.050 \land 0.015 - 0.051 \land 0.015 - 0.051 \land 0.015 - 0.051 \land 0.015 - 0.038 \land 0.015 - 0.038 \land 0.015 - 0.042 \land 0.017 \land$	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 5.0 0.05 2.0 0.05 2.0 0.05 1.0 1.0	- 0.2 2 1 1 2 2 2 2 2 2 2 1 0.5
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Ethalfluralin (herbicide) Apples Cantaloupe	(isomer of Fenva 736 528 573 153 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741 555 737 123 <u>731</u> 8,077 499 558	0 lerate) 0 1 0 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.051 0.015 - 0.051 0.015 - 0.038 0.015 - 0.038 0.015 - 0.038 0.015 - 0.042	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 2.0 5.0 0.05 2.0 0.05 1.0 1.0	- 0.2 2 1 1 2 2 2 2 2 2 2 1 0.5
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Ethalfluralin (herbicide) Apples	(isomer of Fenva 736 528 573 153 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741 555 737 123 <u>731</u> 8,077 499 558 741	0 lerate) 0 1 0 1 3 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land 0.060 \land 0.060 \land 0.060 \land 0.060 \land$ $0.015 - 0.12 \land 0.015 - 0.042 \land 0.029 - 0.12 \land 0.015 \land 0.050 \land 0.015 - 0.050 \land 0.015 - 0.050 \land 0.015 - 0.051 \land 0.015 - 0.051 \land 0.015 - 0.051 \land 0.015 - 0.038 \land 0.015 - 0.038 \land 0.015 - 0.042 \land 0.017 \land$	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 2.0 5.0 0.05 2.0 0.05 1.0 1.0 1.0	- 0.2 2 1 1 2 2 2 2 2 2 2 1 0.5
TOTĂL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Ethalfluralin (herbicide) Apples Cantaloupe	(isomer of Fenva 736 528 573 153 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741 555 737 123 <u>731</u> 8,077 499 558	0 lerate) 0 1 0 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.051 0.015 - 0.051 0.015 - 0.038 0.015 - 0.038 0.015 - 0.038 0.015 - 0.042	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 2.0 5.0 0.05 2.0 0.05 1.0 1.0	- 0.2 2 1 1 2 2 2 2 2 2 2 1 0.5
TOTAL Esfenvalerate (insecticide) Eggplant Grapefruit Plums (X-1) Plums, Dried (Prunes) TOTAL Esfenvalerate+Fenvalerate T Apples Cantaloupe Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Ethalfluralin (herbicide) Apples Cantaloupe Cauliflower	(isomer of Fenva 736 528 573 153 1,990 Fotal (insecticide 743 558 727 214 739 181 555 729 744 741 555 729 744 741 555 737 123 <u>731</u> 8,077 499 558 741	0 lerate) 0 1 0 1 3 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.1 3.9	0.025 ^ 0.025 ^ 0.025 - 0.064	$0.013 \land$ $0.060 \land$ $0.060 \land$ $0.060 \land$ 0.015 - 0.12 0.015 - 0.042 0.029 - 0.12 $0.015 \land$ 0.015 - 0.038 0.015 - 0.050 0.015 - 0.051 0.015 - 0.051 0.015 - 0.038 0.015 - 0.038 0.015 - 0.038 0.015 - 0.042 $0.017 \land$ 0.007 - 0.040 0.017 - 0.056	0.05 0.05 0.05 2.0 1.0 0.5 0.05 2.0 2.0 2.0 2.0 5.0 0.05 2.0 0.05 1.0 1.0 1.0	- 0.2 2 1 1 2 2 2 2 2 2 2 1 0.5

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	-	LODs, ppm	Level, ppm	ppm
Watermelon	118	0			0.007 - 0.015	0.05	-
Winter Squash	<u>731</u>				0.007 - 0.040	0.05	-
TOTAL	4,227	<u>0</u> 0					
Ethiofencarb (insecticide)	528	0			0.015 ^	NT	_
Apples Cauliflower	741	0			0.015 ^		-
		0				NT	-
Grapes	523	0			0.010 ^	NT	-
Lettuce	527	0			0.015 ^	NT	-
Pears	394	0			0.010 ^	NT	-
Watermelon TOTAL	<u>64</u> 2,777	<u>0</u> 0			0.010 ^	NT	-
Ethion (insecticide) Apples	528	0			0.001 ^	NT	-
Cantaloupe	396	0			0.001 ^	NT	-
Cauliflower	741	0			0.004 ^	NT	-
Grapefruit	741 742	0 10	1.3	0.001 - 0.007	0.0007 - 0.002	5.0	-
Grapes	523	0	1.5	0.001 - 0.007	0.0007 - 0.002	5.0 NT	-
Green Beans	127				0.003 ^	NT	-
		0				NT	
Green Beans, Frozen	395	0			0.010 ^	NT	-
Lettuce	527	0			0.001 ^		-
Orange Juice	744	0			0.002 - 0.005	5.0	-
Oranges	741	0	0.0	0.40.4	0.002 - 0.005	5.0	-
Pears (V-1)	394	1	0.3	0.13 ^	0.005 ^	NT	-
Watermelon	64	0			0.005 ^	NT	-
Winter Squash TOTAL	<u>518</u> 6,440	<u>0</u> 11			0.004 ^	NT	-
Grapefruit Orange Juice Oranges	742 744 741	0 0 <u>0</u>			0.002 - 0.003 0.003 - 0.005 0.003 - 0.005	5.0 5.0 5.0	-
Oranges	<u>/41</u>					0.0	
TOTAL	2,227	Ō				0.0	
TOTAL	2,227	Ō				0.0	
TOTAL	2,227	0			0.002 ^	NT	-
TOTAL Ethion mono oxon (metabo	2,227 lite of Ethion)	0			0.002 ^ 0.002 ^		-
TOTAL Ethion mono oxon (metabo Apples Cauliflower	2,227 lite of Ethion) 528	0 0				NT	
TOTAL Ethion mono oxon (metabo Apples	2,227 Nite of Ethion) 528 741	0 0 0			0.002 ^	NT NT	- - -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice	2,227 lite of Ethion) 528 741 742 527 744	0 0 0			0.002 ^ 0.0007 - 0.002	NT NT 5.0	- - - -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce	2,227 lite of Ethion) 528 741 742 527	0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^	NT NT 5.0 NT	- - - -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice	2,227 lite of Ethion) 528 741 742 527 744	0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^	NT NT 5.0 NT 5.0	-
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide)	2,227 blite of Ethion) 528 741 742 527 744 <u>741</u> 4,023	0 0 0 0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^ 0.002 ^	NT NT 5.0 NT 5.0 5.0	-
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples	2,227 blite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528	0 0 0 0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^ 0.002 ^	NT 5.0 NT 5.0 5.0	-
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe	2,227 blite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528 396	0 0 0 0 0 0 0 0 0			0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT 5.0 NT 5.0 5.0 NT NT	-
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans	2,227 blite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528 396 54	0 0 0 0 0 0 0 0			0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT 5.0 NT 5.0 5.0 NT NT 0.02	-
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen	2,227 blite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528 396 54 160	0 0 0 0 0 0 0 0			0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT 5.0 NT 5.0 5.0 NT NT 0.02 0.02	- 0.02 -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce	2,227 blite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528 396 54 160 527	0 0 0 0 0 0 0 0			0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT 5.0 NT 5.0 5.0 NT NT 0.02 0.02 NT	- - 0.02
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce Orange Juice	2,227 bite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528 396 54 160 527 528	0 0 0 0 0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT NT 5.0 NT 5.0 5.0 NT NT 0.02 0.02 NT NT	- - 0.02 -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Orange Juice Oranges	2,227 bite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 525	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.0009 ^ 0.002 ^ 0.002 ^	NT 5.0 NT 5.0 5.0 5.0 NT NT 0.02 0.02 NT NT NT	- - 0.02 - - 0.02
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Oranges Winter Squash	2,227 bite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 528 528 528 528 528 528 528	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^	NT NT 5.0 NT 5.0 5.0 NT NT 0.02 0.02 NT NT	- 0.02 - 0.02 -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Orange Juice Oranges	2,227 bite of Ethion) 528 741 742 527 744 <u>741</u> 4,023 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 525	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.0009 ^ 0.002 ^ 0.002 ^	NT 5.0 NT 5.0 5.0 5.0 NT NT 0.02 0.02 NT NT NT	- 0.02 - 0.02 - - -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL Etoxazole (acaricide)	2,227 blite of Ethion) 528 741 742 527 744 741 4,023 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 396 54 396 54 396 54 396 54 396 54 396 54 396 527 528 396 54 396 527 528 396 527 528 396 527 528 396 54 396 527 528 396 54 396 527 528 396 527 528 396 527 528 396 527 528 396 527 528 396 527 528 396 527 528 396 527 528 527 528 527 528 527 528 527 528 527 528 527 528 527 528 527 528 527 528 527 528 527 528 527 528 527 528 528 527 528 527 528 528 527 528 527 528 528 527 528 528 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 518 3,236	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^	NT 5.0 NT 5.0 5.0 5.0 NT NT 0.02 0.02 NT NT NT NT	- 0.02 - 0.02 - -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL Etoxazole (acaricide) Apples	2,227 bite of Ethion) 528 741 742 527 744 741 4,023 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 528 326 54 326 528 326 527 528 528 326 527 528 326 527 528 527 528 528 527 528 527 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 518 3,236 3,236 3,236 3,236 3,236	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.3	0.0002 - 0.035	0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^	NT NT 5.0 NT 5.0 5.0 NT NT NT 0.02 0.02 NT NT NT NT NT	- 0.02 - 0.02 - -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL Etoxazole (acaricide) Apples Cauliflower	2,227 bite of Ethion) 528 741 742 527 744 741 4,023 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 326 54 326 54 326 54 326 54 326 54 326 54 326 54 326 54 326 54 326 54 326 54 326 54 326 54 326 54 328 326 54 328 325 518 3,236 3,236	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.3	0.0002 - 0.035	0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.002 ^ 0.016 ^	NT NT 5.0 NT 5.0 5.0 NT NT NT 0.02 0.02 NT NT NT NT NT NT	- 0.02 - 0.02 - - -
TOTAL Ethion mono oxon (metabo Apples Cauliflower Grapefruit Lettuce Orange Juice Oranges TOTAL Ethoprop (insecticide) Apples Cantaloupe Green Beans Green Beans, Frozen Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL Etoxazole (acaricide) Apples	2,227 bite of Ethion) 528 741 742 527 744 741 4,023 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 396 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 54 160 527 528 326 528 326 54 326 528 326 527 528 528 326 527 528 326 527 528 527 528 528 527 528 527 528 525 528 525 528 525 528 525 528 525 528 525 528 525 528 525 518 3,236 3,236 3,236 3,236 3,236	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.3	0.0002 - 0.035	0.002 ^ 0.0007 - 0.002 0.002 ^ 0.002 ^	NT NT 5.0 NT 5.0 5.0 NT NT NT 0.02 0.02 NT NT NT NT NT	- 0.02 - 0.02 - - -

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections		Detected, ppm	LODs, ppm	Level, ppm	ppm
Etridiazole (fungicide)							
Grapes	523	0			0.002 ^	NT	-
Green Beans	127	0 0			0.003 ^	NT	-
Green Beans, Frozen	395	0			0.003 ^	NT	-
Pears	394	0			0.002 ^	NT	_
Strawberries	521	0			0.002	0.20	_
Watermelon	<u>64</u>				0.002 ^	NT	
TOTAL	2,024	<u>0</u> 0			0.002	IN I	-
Famoxadone (fungicide)	200	2			0.40.4	0.00	
Cantaloupe	396	0			0.13 ^	0.30	-
Eggplant	736	0			0.051 ^	4.0	-
Watermelon	118	0			0.002 - 0.030	0.3	-
Winter Squash	<u>518</u>	<u>0</u> 0			0.13 ^	0.30	-
TOTAL	1,768	0					
Fenamidone (fungicide)							
Watermelon	<u>118</u>	<u>0</u> 0			0.003 - 0.004	0.15	-
TOTAL	118	Ō					
Fenamiphos (insecticide)							
Apples	743	0			0.002 - 0.004	0.25	0.05
Cantaloupe	396	0			0.006 ^	NT	0.05
Cauliflower	741	0			0.002 ^	NT	_
Eggplant	736	0			0.007 ^	0.1	_
						-	-
Grapefruit	742	0			0.001 - 0.004	0.60	-
Grapes	739	0			0.001 - 0.004	0.10	-
Green Beans	127	0			0.008 ^	NT	-
Green Beans, Frozen	395	0			0.008 ^	NT	-
Lettuce	527	0			0.002 ^	NT	-
Orange Juice	744	0			0.004 ^	0.60	-
Oranges	741	0 0			0.004 ^	0.60	-
Pears	394	0			0.001 ^	NT	_
Strawberries	216	-			0.004 ^	0.6	
		0					-
Watermelon	64	0			0.005 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.006 ^	NT	-
TOTAL	7,823	0					
Fenamiphos sulfone (metab	polite of Fenami	phos)					
Apples	743	0			0.002 - 0.008	0.25	0.05
Cantaloupe	396	0			0.024 ^	NT	0.05
Eggplant	736	0			0.016 ^	0.1	-
Grapefruit	214	0			0.008 ^	0.60	-
Grapes	739	0			0.001 - 0.008	0.10	-
Green Beans	127	0			0.020 ^	NT	-
					0.020 ^		-
Green Beans, Frozen	395	0				NT	-
Lettuce	527	0			0.002 - 0.004	NT	-
Orange Juice	744	0			0.008 ^	0.60	-
Oranges	741	0			0.008 ^	0.60	-
Pears	394	0			0.001 ^	NT	-
Strawberries	216	0			0.008 ^	0.6	-
Watermelon	64	0			0.005 ^	NT	-
	<u>518</u>				0.024 ^	NT	-
	<u>6,554</u>	<u>0</u> 0			0.027	111	-
Winter Squash TOTAL							
TOTAL		ninhos)					
TOTAL Fenamiphos sulfoxide (met	abolite of Fenar				0 002 - 0 004	0.25	0.05
TOTAL Fenamiphos sulfoxide (meta Apples	abolite of Fenar 528	0			0.002 - 0.004	0.25	0.05
TOTAL Fenamiphos sulfoxide (met Apples Eggplant	abolite of Fenar 528 736	0	4-	0.004 0.000	0.044 ^	0.1	0.05 -
TOTAL Fenamiphos sulfoxide (met Apples Eggplant Grapes	abolite of Fenar 528 736 523	0 0 9	1.7	0.001 - 0.002	0.044 ^ 0.001 ^	0.1 0.10	0.05 - -
TOTAL Fenamiphos sulfoxide (met Apples Eggplant Grapes Lettuce	abolite of Fenar 528 736 523 527	0 0 9 0	1.7	0.001 - 0.002	0.044 ^ 0.001 ^ 0.002 - 0.004	0.1 0.10 NT	0.05 - - -
TOTAL Fenamiphos sulfoxide (met Apples Eggplant Grapes	abolite of Fenar 528 736 523	0 0 9	1.7	0.001 - 0.002	0.044 ^ 0.001 ^	0.1 0.10	0.05 - - - -

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMRI ppm
			With Deteotions	Deteoted, ppm			
Pears	394	0			0.001 ^ 0.005 ^	NT NT	-
Watermelon	<u>64</u>	<u>0</u> 9			0.005 ^	INT	-
TOTAL	3,825	9					
Fenarimol (fungicide)							
Apples	743	0			0.010 - 0.015	0.1	0.3
Cauliflower	741	0			0.010 ^	NT	-
Grapes	739	1	0.1	0.025 ^	0.015 - 0.025	0.2	0.3
Lettuce	527	0			0.010 ^	NT	-
Pears	555	0			0.015 - 0.025	0.1	0.3
Watermelon	<u>64</u>	<u>0</u>			0.025 ^	NT	-
TOTAL	3,369	1					
Fenbuconazole (fungicide)							
Apples	395	0			0.0009 ^	NT	0.1
Cauliflower (V-4)	604	4	0.7	0.002 - 0.004	0.0009 ^	NT	-
Grapefruit	742	26	3.5	0.0007 - 0.001	0.0004 - 0.030	0.5	-
Grapes	523	0	0.0	0.0001 0.001	0.005 ^	NT	10
Lettuce (V-1)	440	1	0.2	0.002 ^	0.0009 ^	NT	-
Orange Juice	546	0	0.2	0.002	0.030 ^	NT	-
Oranges	525	0			0.030 ^	NT	_
Pears	394	0			0.005 ^	NT	0.1
Watermelon	<u>64</u>	<u>0</u>			0.005 ^	NT	-
TOTAL	4,233	3 <u>1</u>			0.000		
Fonhovomid (funcioido)							
Fenhexamid (fungicide) Plums	573	9	1.6	0.032 - 0.10	0.019 ^	1.5	_
Plums, Dried (Prunes)	153	0	1.0	0.032 - 0.10	0.019 ^	1.5	_
Strawberries	517	0 165	31.9	0.036 - 1.9	0.035 ^	3.0	-
TOTAL	1,243	<u>174</u>	51.5	0.030 - 1.9	0.035	5.0	_
Fenitrothion (insecticide)	528				0.003 ^	NT	
Apples Cauliflower	526 741	0			0.003 ^	NT	-
		0				NT	-
Lettuce TOTAL	<u>527</u> 1, 796	<u>0</u> 0			0.003 ^	IN I	-
	,						
Fenpropathrin (insecticide)	740	FC	7 5	0.000 0.05	0.016 0.020	F 0	5
Apples	743	56	7.5	0.026 - 0.25	0.016 - 0.020	5.0	-
Cantaloupe	558	0			0.016 - 0.020	0.5	-
Cauliflower	741	0			0.016 ^	3.0	-
Eggplant	736	0			0.022 ^	NT	0.2
Grapefruit	742	0	4.0	0.040 0.50	0.007 - 0.020	2.0	-
Grapes	739	13	1.8	0.019 - 0.56	0.015 - 0.020	5.0	5
Lettuce	527	0			0.016 ^	NT	-
Orange Juice	744	0			0.020 ^	2.0	-
Oranges	741	0	4.0	0.000 0.14	0.020 ^	2.0	-
Pears	555	7	1.3	0.033 - 0.14	0.015 - 0.020	5.0	5
Strawberries	737	87	11.8	0.010 - 0.59	0.006 - 0.020	2.0	-
Watermelon	182	0			0.015 - 0.020	0.5	-
Winter Squash TOTAL	<u>731</u> 8,476	<u>0</u> 163			0.016 - 0.020	0.5	-
	-, -						
Fenpyroximate (acaricide) Apples	132	7	5.3	0.003 - 0.042	0.0006 ^	0.40	_
Cauliflower	216	0	0.0	0.000 - 0.042	0.0006 ^	0.40 NT	-
Lettuce	<u>103</u>				0.0006 ^	NT	_
TOTAL	<u>451</u>	<u>0</u> 7			0.0000		
Fenthion (insecticide)							
Fenthion (insecticide) Apples	528	0			0.002 ^	NT	-

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMR ppm
			With Deteotions	Deteoted, ppin			
Grapes	523	0			0.008 ^	NT	-
Lettuce	527	0			0.002 ^	NT	-
Pears	394	0			0.008 ^	NT	-
Watermelon	<u>64</u>	<u>0</u>			0.008 ^	NT	-
TOTAL	2,777	0					
Fenvalerate (insecticide) (is		•					
Watermelon	<u>59</u>	<u>0</u> 0			0.030 ^	1.0	0.5
TOTAL	59	0					
Fluazifop butyl (herbicide)							
Apples	132	0			0.0003 ^	NT	-
Cauliflower	216	0			0.0003 ^	NT	_
Lettuce	103				0.0003 ^	NT	
		<u>0</u> 0			0.0003		-
TOTAL	451	U					
Fludioxonil (fungicide)							
Apples	528	0			0.012 - 0.040	5.0	-
Cantaloupe	414	0			0.020 - 0.036	0.03	-
Cauliflower	741	0			0.012 - 0.27	2.0	-
Eggplant	736	0			0.13 ^	0.01	-
Grapes	739	101	13.7	0.011 - 0.50	0.010 - 0.020	1.0	2
		-	13.7	0.011 - 0.50		0.4	2
Green Beans	181	0			0.015 - 0.050	-	-
Green Beans, Frozen	555	0			0.015 - 0.050	0.4	-
Lettuce	725	0			0.012 - 0.080	30	-
Orange Juice	528	0			0.015 ^	10	-
Oranges	525	0			0.015 ^	10	-
Pears	394	0			0.010 ^	5.0	-
Plums	573	118	20.6	0.18 - 1.0	0.11 ^	5.0	5
Plums, Dried (Prunes)	153		20.0	0.10 1.0	0.11 ^	5.0	5
,		0	00.0	0.005 0.40			
Strawberries	216	48	22.2	0.025 - 0.46	0.015 - 0.020	2.0	3
Watermelon	182	0			0.010 - 0.030	0.03	-
Winter Squash	<u>518</u>	<u>0</u>			0.036 ^	0.01	-
TOTAL	7,708	267					
Flumioxazin (herbicide)							
Eggplant	<u>736</u>	<u>0</u>			0.050 ^	NT	-
TOTAL	736	ŏ			0.000		
IUIAL	100	Ū					
Fluridone (herbicide)		_				. <i>(</i>	
Apples	215	0			0.035 ^	0.1	-
Cantaloupe	540	0			0.016 - 0.035	0.1	-
Grapefruit	499	0			0.004 - 0.050	0.1	-
Grapes	216	0			0.035 ^	0.1	-
Green Beans	181	0			0.035 - 0.15	0.1	-
Green Beans, Frozen	555	0			0.035 - 0.15	0.1	-
Lettuce	198	0			0.035 - 0.070	0.1	_
	744				0.035 - 0.070	0.1	-
Orange Juice		0					-
Oranges	741	0			0.035 - 0.036	0.1	-
Pears	161	0			0.035 ^	0.1	-
Strawberries	733	0			0.0003 - 0.035	0.1	-
Watermelon	118	0			0.016 - 0.035	0.1	-
Winter Squash	<u>713</u>	<u>0</u>			0.016 - 0.035	0.1	-
TOTAL	5,614	Ō					
Folpet (fungicide)							
	215	0			0.015 - 0.017	25	
Apples		0					-
Cantaloupe	206	0			0.015 - 0.066	15	3
Grapes	739	16	2.2	0.025 - 0.14	0.015 - 0.017	25	2
	216	0			0.015 - 0.017	50	-
Lettuce	210	0					
Lettuce Orange Juice	528	0			0.012 ^	NT	-
					0.012 ^ 0.012 ^	NT NT	-

Posticido / Commeditu	Number of	Samples with	% of Samples with Detections	Range of Values Detected, ppm	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples				LODs, ppm	Level, ppm	ppm
Strawberries	737	1	0.1	0.12 ^	0.015 - 0.017	25	20
Watermelon	182	0			0.008 - 0.015	15	-
Winter Squash	<u>27</u>	<u>0</u>			0.066 ^	NT	-
TOTAL	3,769	17					
Fonofos (insecticide)							
Apples	528	0			0.002 ^	NT	-
Cauliflower	741	0			0.002 ^	NT	-
Grapes	523	0			0.005 ^	NT	-
Green Beans	181	0			0.002 - 0.005	NT	-
Green Beans, Frozen	555	0			0.002 - 0.005	NT	-
Lettuce	527	0			0.002 ^	NT	-
Pears	394	0			0.005 ^	NT	-
Watermelon	<u>64</u>	<u>0</u>			0.005 ^	NT	-
TOTAL	3,513	Ō					
Forchlorfenuron (plant grow	wth regulator)						
Apples	441	0			0.0001 ^	0.01	-
Cauliflower	124	0			0.0005 ^	NT	-
Lettuce	191	<u>0</u>			0.0005 ^	NT	-
TOTAL	756	Ō					
Halosulfuron methyl (herbio	cide)						
Watermelon	<u>59</u>	<u>0</u>			0.001 ^	0.1	-
TOTAL	59	<u>0</u>			0.001		
Heptachlor (insecticide)							
	528	0			0.002 ^	NT	
Apples		0					-
Cantaloupe	558	0			0.003 - 0.006	0.05 AL	-
Cauliflower	741	0			0.002 ^	0.05 AL	-
Eggplant	736	0			0.004 ^	0.03 AL	-
Grapefruit	742	0			0.003 - 0.006	0.05 AL	0.01
Grapes	523	0			0.0008 ^	0.05 AL	-
Green Beans	127	0			0.002 ^	0.05 AL	-
Green Beans, Frozen	395	0			0.002 ^	0.05 AL	-
Lettuce	743	0			0.002 - 0.006	0.05 AL	-
Orange Juice	744	0			0.003 - 0.006	0.05 AL	0.01
•							
Oranges	741	0			0.003 - 0.006	0.05 AL	0.01
Pears	555	0			0.0008 - 0.006	0.05 AL	-
Plums	573	0			0.004 ^	0.05 AL	-
Plums, Dried (Prunes)	153	0			0.004 ^	0.05 AL	-
Watermelon	182	0			0.0008 - 0.003	0.05 AL	-
Winter Squash	<u>731</u>	<u>0</u>			0.003 - 0.006	0.05 AL	-
TOTAL	8,772	Ō					
Heptachlor epoxide (metabo	olite of Heptach	lor)					
Apples	528	0			0.004 ^	NT	-
Cantaloupe	558	0			0.004 - 0.006	0.05 AL	-
Cauliflower	741	0			0.004 ^	0.05 AL	_
							-
Grapefruit	742	0			0.004 - 0.006	0.05 AL	-
Grapes	523	0			0.002 ^	0.05 AL	-
Green Beans	181	0			0.001 - 0.006	0.05 AL	-
Green Beans, Frozen	555	0			0.001 - 0.006	0.05 AL	-
Lettuce	743	0			0.004 - 0.006	0.05 AL	-
Orange Juice	744	0			0.004 - 0.006	0.05 AL	10
Oranges	741	0			0.004 - 0.006	0.05 AL	10
Pears	555				0.002 - 0.006	0.05 AL	10
		0					-
Watermelon	182	0			0.002 - 0.004	0.05 AL	-
Winter Squash	<u>731</u>	<u>7</u>	1.0	0.006 - 0.059	0.004 - 0.006	0.05 AL	-
TOTAL	7,524	7					

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Heptachlor epoxide cis (me	etabolite of Hept	achlor)					
Eggplant	736	0			0.004 ^	NT	-
Plums	573	0			0.004 ^	NT	_
					0.004 ^	NT	
Plums, Dried (Prunes)	<u>153</u>	<u>0</u>			0.004 ^	IN I	-
TOTAL	1,462	0					
Heptachlor epoxide trans (I	metabolite of He	ptachlor)					
Eggplant	736	0			0.004 ^	NT	-
Plums	573	0			0.004 ^	NT	-
Plums, Dried (Prunes)	153	<u>0</u>			0.004 ^	NT	-
TOTAL	1,462	<u>0</u>			0.001		
Hexachlorobenzene - HCB	(impurity of Qui	ntozene)					
Apples	528	0			0.001 ^	NT	-
Cantaloupe	396	0			0.003 ^	NT	-
Cauliflower	741	0			0.001 ^	0.1	-
Grapes	523	0			0.0008 ^	NT	-
Green Beans	181	0			0.002 ^	0.1	-
Green Beans, Frozen	555	0			0.002 ^	0.1	_
Lettuce	527	0			0.002 ^	NT	_
Pears	394				0.0008 ^	NT	-
Watermelon	64	0			0.0008 ^	NT	-
	-	0					-
Winter Squash	<u>518</u>	<u>0</u> 0			0.003 ^	NT	-
TOTAL	4,427	U					
Hexaconazole (fungicide)							
Orange Juice	528	0			0.020 ^	NT	-
Oranges	525	0			0.020 ^	NT	-
Watermelon	<u>64</u>	<u>0</u>			0.010 ^	NT	-
TOTAL	1,117	0					
Hydroprene (insect growth	regulator)						
Apples	528	0			0.013 ^	0.2	-
Cantaloupe	396	0			0.013 ^	0.2	-
Cauliflower	741	0			0.013 ^	0.2	-
Lettuce	527	0			0.013 ^	0.2	_
Watermelon	59	0			0.010 ^	0.2	-
Winter Squash						0.2	-
TOTAL	<u>518</u> 2,769	<u>0</u> 0			0.013 ^	0.2	-
	2,100	U					
3-Hydroxycarbofuran (meta	abolite of Carbof 528				0.0006 ^	NT	
Apples	528 558	0 1	0.2	0.067 ^		0.2	-
Cantaloupe			0.2	0.007 ^	0.004 - 0.012		-
Cauliflower	741	0			0.0006 ^	NT	-
Grapes	739	0			0.004 - 0.010	0.2	-
Green Beans	126	0			0.020 ^	NT	-
Green Beans, Frozen	395	0			0.020 ^	NT	-
Lettuce	527	0			0.0006 ^	NT	-
Orange Juice	528	0			0.010 ^	NT	-
Oranges	525	0			0.010 ^	NT	-
Pears	394	0			0.010 ^	NT	-
Strawberries	733	0			0.004 - 0.007	0.2	-
Watermelon	182	0			0.004 - 0.010	0.4	-
Winter Squash	<u>731</u>	<u>0</u>			0.004 - 0.012	0.6	-
TOTAL	6,707	1					
5 Uudrovuthishandazala (m	netabolite of Thia	abendazole)					
5-nyuroxyuniabenuazoie (ii					0.040.4	10	
Orange Juice	132	0			0.010 ^	10	-
Orange Juice	132 87	0 0			0.010 ^ 0.010 ^	10 10	-
Orange Juice Oranges Strawberries							-

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	•	Detected, ppm	LODs, ppm	Level, ppm	ррт
Imazalil (fungicide)							
Apples	528	0			0.010 - 0.13	NT	5
Cantaloupe	396	0			0.030 ^	NT	2
Cauliflower	741	0			0.010 ^	NT	-
Grapefruit	742	365	49.2	0.045 - 0.55	0.030 - 0.045	10.0	5
Grapes	523	0			0.005 ^	NT	-
Lettuce	512	0			0.010 ^	NT	-
Orange Juice	744	11	1.5	0.050 - 0.25	0.030 ^	10.0	5
Oranges	741	550	74.2	0.050 - 0.25	0.030 ^	10.0	5
-	394		74.2	0.030 - 0.79			5
Pears		0			0.005 ^	NT	
Watermelon	64	0			0.010 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.030 ^	NT	-
TOTAL	5,903	926					
Imidacloprid (insecticide)							
Apples	743	198	26.6	0.0002 - 0.015	0.0001 - 0.009	0.6	0.5
Cantaloupe	162	8	4.9	0.015 ^	0.009 ^	0.5	0.2
Cauliflower	741	629	84.9	0.0002 - 0.047	0.0001 - 0.0002	3.5	0.5
Grapefruit	719	0			0.009 - 0.014	0.7	1
Grapes	739	134	18.1	0.010 - 0.47	0.009 - 0.010	1.0	1
Lettuce	743	543	73.1	0.0002 - 0.19	0.0001 - 0.009	3.5	2
Orange Juice	744	0			0.009 - 0.010	0.7	1
Oranges	741	2	0.3	0.015 - 0.095	0.009 - 0.010	0.7	1
Pears	555	22	4.0	0.010 - 0.098	0.009 - 0.010	0.6	1
Strawberries	733	9	1.2	0.015 - 0.27	0.009 - 0.033	0.50	-
Watermelon	123	15	12.2	0.010 - 0.18	0.009 - 0.010	0.50	0.2
Winter Squash	<u>213</u>	<u>7</u>	3.3	0.015 ^	0.009 ^	0.5	1
TOTAL	6,956	1,567	0.0	0.010	0.000	0.0	•
	0,000	1,007					
Indoxacarb (insecticide)	500	2			0.010.0	NIT	
Grapes	523	0			0.010 ^	NT	-
Pears	394	0			0.010 ^	0.20	-
Watermelon	<u>64</u>	<u>0</u> 0			0.010 ^	NT	-
TOTAL	981	0					
Iprodione (fungicide)							
Apples	528	0			0.008 ^	NT	5
Cantaloupe	396	0			0.008 ^	NT	-
Cauliflower	741	0			0.008 - 0.028	NT	-
Grapes	739	119	16.1	0.025 - 1.6	0.015 - 0.023	60.0	10
Green Beans	181	11	6.1	0.025 - 0.39	0.015 - 0.021	2.0	2
Green Beans, Frozen	555	10	1.8	0.025 - 0.22	0.015 - 0.021	2.0	2
Lettuce	743	14	1.9	0.014 - 1.2	0.008 - 0.056	25.0	25
Pears (V-6)	395	6	1.5	0.038 - 0.39	0.021 - 0.023	NT	5
Plums	573	227	39.6	0.065 - 7.1	0.039 ^	20.0	-
Plums, Dried (Prunes)	153	0	00.0	0.000 - 7.1	0.039 ^	20.0	-
Strawberries	737	0 13	1.8	0.035 - 2.5	0.015 - 0.029	20.0 15	<u>-</u> 10
			1.0	0.030 - 2.5			
Watermelon Winter Saugeh	86	0			0.015 - 0.023	NT	-
Winter Squash TOTAL	<u>518</u> 6,345	<u>0</u> 400			0.008 ^	NT	-
IOTAL	6,345	400					
Iprodione metabolite isomer (Apples	(metabolite of 513	lprodione) 0			0.098 - 1.4	NT	-
Cauliflower	711	0			0.098 - 0.66	NT	-
			0.2	0.16 ^			-
Lottugo	469 <u>521</u>	1	0.2	0.16 ^	0.098 - 1.4	25.0	-
Lettuce		<u>0</u>			0.062 ^	15	-
Lettuce Strawberries TOTAL	<u>321</u> 2,214	1					
Strawberries TOTAL		1					
Strawberries TOTAL Kresoxim-methyl (fungicide)	2,214	1			0 003 ^	0.5	0.2
Strawberries TOTAL Kresoxim-methyl (fungicide) Apples	2,214 292	1 0			0.003 ^	0.5 NT	0.2
Strawberries TOTAL Kresoxim-methyl (fungicide)	2,214	1			0.003 ^ 0.003 ^ 0.003 ^	0.5 NT NT	0.2

	Normalizzation	Samples	0/ of Commiss	Pongo of Volus-	Donno of	EPA Toloropoo	
Pesticide / Commodity	Number of Samples	with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Level, ppm	MRL/EMRI ppm
Lindane - BHC gamma (inse	ecticide)						
Apples	743	0			0.002 - 0.003	1	-
Cantaloupe	558	0			0.002 - 0.006	3	-
Cauliflower	741	0			0.003 ^	1	_
					0.005 ^	1	
Eggplant	736	0				-	-
Grapefruit	742	0			0.002 - 0.005	0.5 AL	-
Grapes	739	0			0.002 ^	1	-
Green Beans	181	0			0.001 - 0.002	0.5 AL	-
Green Beans, Frozen	555	1	0.2	0.002 ^	0.001 - 0.002	0.5 AL	-
Lettuce	743	0			0.002 - 0.003	3	-
Orange Juice	744	0			0.002 ^	0.5 AL	-
Oranges	741	0			0.002 ^	0.5 AL	-
Pears	555	0			0.002 ^	1	-
Plums	573	0			0.004 ^	1	_
		-				-	
Plums, Dried (Prunes)	153	0			0.004 ^	1	-
Strawberries	216	0			0.002 ^	1	-
Watermelon	182	0			0.002 ^	3	-
Winter Squash	<u>731</u>	<u>0</u> 1			0.002 - 0.006	3	-
TOTAL	9,633	1					
Linuron (herbicide)							
Apples	528	0			0.003 ^	NT	-
Cauliflower	725	0			0.003 ^	NT	-
Grapes	523	0			0.008 ^	NT	-
Green Beans	127	0			0.000 ^	NT	_
						NT	_
Green Beans, Frozen	395	0	0.4	0.005 4	0.015 ^		-
Lettuce (V-2)	527	2	0.4	0.005 ^	0.003 ^	NT	-
Pears	394	0			0.008 ^	NT	-
Watermelon	<u>64</u>	<u>0</u> 2			0.008 ^	NT	-
TOTAL	3,283	2					
Malathion (insecticide)							
Apples	743	0			0.003 - 0.004	8	2
Cantaloupe	558	0			0.004 - 0.007	8	-
Cauliflower	741	0			0.003 ^	8	-
Eggplant	736	2	0.3	0.013 - 0.041	0.008 ^	8	-
	742	1	0.5	0.002 ^	0.001 - 0.004	8	4
Grapefruit			0.1	0.002 ^		-	
Grapes	739	0			0.004 ^	8	8
Green Beans	181	0			0.004 - 0.008	8	1
Green Beans, Frozen	555	0			0.004 - 0.008	8	1
Lettuce	743	1	0.1	0.007 ^	0.003 - 0.004	8	-
Orange Juice	744	0			0.004 ^	8	4
Oranges	741	0			0.004 ^	8	4
Pears	555	0			0.004 ^	8	-
Plums	573	0			0.008 ^	8	-
Plums, Dried (Prunes)	153	0			0.008 ^	8	_
Strawberries		-	15.0	0.001 0.29	0.0007 - 0.004		1
	737	117	15.9	0.001 - 0.28		8	
Watermelon	182	0	o <i>i</i>	0.0c= ·	0.004 - 0.006	8	-
Winter Squash	731	<u>1</u>	0.1	0.007 ^	0.004 - 0.007	8	-
TOTAL	10,154	122					
Malathion oxygen analog (r	netabolite of Ma	lathion)					
Apples	743	0			0.003 ^	NT	-
Cantaloupe	558	0			0.003 - 0.007	NT	-
Cauliflower	741	0			0.003 ^	NT	-
Eggplant	736				0.019 ^	NT	-
		0	07	0.002 4			-
Grapefruit (V-5)	742	5	0.7	0.002 ^	0.001 - 0.003	NT	-
Grapes	739	0			0.003 - 0.006	NT	-
Green Beans	181	0			0.003 - 0.005	NT	-
Green Beans, Frozen	555	0			0.003 - 0.005	NT	-
Lettuce	743	0			0.003 ^	NT	-
Lottabo		0			01000		

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Oranges	741	0			0.003 ^	NT	-
Pears	555	0			0.003 - 0.006	NT	-
Plums	573	0			0.019 ^	NT	-
Plums, Dried (Prunes)	153	0			0.019 ^	NT	-
Strawberries (V-16)	737	16	2.2	0.002 - 0.030	0.0009 - 0.003	NT	
()			2.2	0.002 - 0.030			-
Watermelon	182	0			0.003 - 0.006	NT	-
Winter Squash	<u>731</u>	<u>0</u>			0.003 - 0.007	NT	-
TOTAL	10,154	21					
Metalaxyl (fungicide)							
Apples	700	0			0.006 - 0.040	0.2	1
Cantaloupe	558	11	2.0	0.014 - 0.017	0.008 - 0.010	1.0	0.2
Cauliflower	710	2	0.3	0.010 ^	0.006 - 0.083	1.0	0.5
Eggplant	736	0	0.0	0.010	0.020 ^	1.0	-
Grapefruit	742	0			0.010 - 0.040	1.0	5
Grapes	739	12	1.6	0.041 - 0.39	0.010 - 0.015	2.0	1
Green Beans	181	0			0.010 - 0.015	0.2	-
Green Beans, Frozen	555	0			0.010 - 0.015	0.2	-
Lettuce	743	11	1.5	0.010 - 0.13	0.006 - 0.083	5.0	2
Orange Juice	744	0			0.010 ^	1.0	5
					0.010 ^	1.0	
Oranges	741	0					5
Pears	394	0			0.015 ^	NT	1
Plums	573	0			0.020 ^	1.0	-
Plums, Dried (Prunes)	153	0			0.020 ^	1.0	-
Strawberries	737	48	6.5	0.017 - 0.35	0.010 - 0.019	10.0	-
Watermelon	182	1	0.5	0.017 ^	0.008 - 0.015	1.0	0.2
			1.0			1.0	0.2
Winter Squash	<u>731</u>	<u>7</u>	1.0	0.014 - 0.10	0.008 - 0.010	1.0	0.2
TOTAL	9,919	92					
Apples Cantaloupe	743 558	0 5	0.9	0.003 - 0.023	0.001 - 0.002 0.002 - 0.004	0.02 0.5	-
Eggplant	736	49	6.7	0.007 - 0.37	0.004 ^	1.0	-
Grapefruit	214	0	••••		0.002 ^	0.02	-
Grapes	524	1	0.2	0.003 ^	0.002 - 0.008	0.02	
						0.02	-
Green Beans		45			0.002 - 0.005		
	181	-	24.9	0.003 - 1.0			-
Green Beans, Frozen	555	141	24.9 25.4	0.003 - 1.0	0.002 - 0.005	1	-
Green Beans, Frozen Lettuce		-			0.002 - 0.005 0.001 - 0.002		-
Lettuce	555	141 20	25.4	0.003 - 0.27		1 1.0	-
Lettuce Orange Juice	555 743 744	141 20 0	25.4	0.003 - 0.27	0.001 - 0.002 0.002 ^	1 1.0 0.02	-
Lettuce Orange Juice Oranges	555 743 744 741	141 20 0 0	25.4	0.003 - 0.27	0.001 - 0.002 0.002 ^ 0.002 ^	1 1.0 0.02 0.02	
Lettuce Orange Juice Oranges Pears	555 743 744 741 555	141 20 0 0 0	25.4 2.7	0.003 - 0.27 0.002 - 0.026	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008	1 1.0 0.02 0.02 0.02	
Lettuce Orange Juice Oranges Pears Plums	555 743 744 741 555 573	141 20 0 0 0 2	25.4	0.003 - 0.27	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^	1 1.0 0.02 0.02 0.02 0.02	
Lettuce Orange Juice Oranges Pears	555 743 744 741 555	141 20 0 0 0	25.4 2.7 0.3	0.003 - 0.27 0.002 - 0.026 0.007 ^	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.004 ^	1 1.0 0.02 0.02 0.02 0.02 0.02	
Lettuce Orange Juice Oranges Pears Plums	555 743 744 741 555 573	141 20 0 0 0 2	25.4 2.7	0.003 - 0.27 0.002 - 0.026	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^	1 1.0 0.02 0.02 0.02 0.02	
Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes)	555 743 744 741 555 573 153 216	141 20 0 0 2 0 1	25.4 2.7 0.3 0.5	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.004 ^ 0.004 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	-
Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon	555 743 744 741 555 573 153 216 182	141 20 0 0 2 0 1 2	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.004 ^ 0.002 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	-
Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries	555 743 744 741 555 573 153 216	141 20 0 0 2 0 1	25.4 2.7 0.3 0.5	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.004 ^ 0.004 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	-
Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL	555 743 744 741 555 573 153 216 182 <u>731</u>	141 20 0 0 2 0 1 2 8	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.004 ^ 0.002 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	
Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide)	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149	141 20 0 0 2 0 1 2 <u>8</u> 274	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.004	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743	141 20 0 0 2 0 1 2 <u>8</u> 274 0	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- - - - - - - - - - - - - - - - - - -
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396	141 20 0 0 2 0 1 2 <u>8</u> 274 0 0	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 - 0.004 0.010 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- - - - - - - - - - - - - - - - - - -
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741	141 20 0 0 2 0 1 2 <u>8</u> 274 0	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 - 0.004 0.010 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- - - - - - - - - - - - - - - - - - -
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396	141 20 0 0 2 0 1 2 <u>8</u> 274 0 0	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 - 0.004 0.010 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- - - - - - - - - - - - - - - - - - -
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741	141 20 0 2 0 1 2 8 274 0 0 0 0 0	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 - 0.004 0.010 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- -
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741 214 523	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0	25.4 2.7 0.3 0.5 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 ^ 0.002 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- - 2
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741 214 523 527	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 0 0	25.4 2.7 0.3 0.5 1.1 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.004 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- - 2 1 -
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce Orange Juice	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741 214 523 527 744	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 1	25.4 2.7 0.3 0.5 1.1 1.1 0.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- 2 1 - 2
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741 214 523 527	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 0 0	25.4 2.7 0.3 0.5 1.1 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.004 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- - 2 1 -
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce Orange Juice	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741 214 523 527 744	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 1	25.4 2.7 0.3 0.5 1.1 1.1 0.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.002 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- 2 1 - 2
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741 214 523 527 744 741 555	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 1 8 1	25.4 2.7 0.3 0.5 1.1 1.1 0.1 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 ^ 0.004 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.004 - 0.005 0.004 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- 2 1 - 2 2 1
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Plums	555 743 744 741 555 573 153 216 182 <u>731</u> 8,149 743 396 741 214 523 527 744 741 555 573	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 1 8 1 0	25.4 2.7 0.3 0.5 1.1 1.1 0.1 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 ^ 0.004 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.004 - 0.005 0.004 ^ 0.004 ^ 0.003 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- 2 1 - 2 2 1 0.2
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Plums Plums, Dried (Prunes)	555 743 744 741 555 573 153 216 182 731 8,149 743 396 741 214 523 527 744 741 555 573 153	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 0 1 8 1 0 0 0	25.4 2.7 0.3 0.5 1.1 1.1 0.1 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 ^ 0.004 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.004 - 0.005 0.004 ^ 0.003 ^ 0.003 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- 2 1 - 2 2 1 0.2 0.2
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Watermelon	555 743 744 741 555 573 153 216 182 731 8,149 743 396 741 214 523 527 744 741 555 573 153 64	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 0 1 8 1 0 0 0 0 0 0 0 0 0	25.4 2.7 0.3 0.5 1.1 1.1 0.1 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.004 ^ 0.005 0.004 ^ 0.003 ^ 0.003 ^ 0.003 ^ 0.004 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- 2 1 - 2 2 1 0.2
Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash (X-3) TOTAL Methidathion (insecticide) Apples Cantaloupe Cauliflower Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Plums Plums, Dried (Prunes)	555 743 744 741 555 573 153 216 182 731 8,149 743 396 741 214 523 527 744 741 555 573 153	141 20 0 2 0 1 2 8 274 0 0 0 0 0 0 0 0 1 8 1 0 0 0	25.4 2.7 0.3 0.5 1.1 1.1 0.1 1.1	0.003 - 0.27 0.002 - 0.026 0.007 ^ 0.003 ^ 0.006 - 0.069 0.003 - 0.17	0.001 - 0.002 0.002 ^ 0.002 ^ 0.002 - 0.008 0.004 ^ 0.002 ^ 0.002 - 0.008 0.002 - 0.008 0.002 - 0.004 0.002 - 0.004 0.002 ^ 0.004 ^ 0.002 ^ 0.004 ^ 0.002 ^ 0.004 - 0.005 0.004 ^ 0.003 ^ 0.003 ^	1 1.0 0.02 0.02 0.02 0.02 0.02 0.02 0.02	- 2 1 - 2 2 1 0.2 0.2

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRL
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Methiocarb (insecticide) (ar	alvzed as sulfo	xide)					
Apples	513	0			0.0006 ^	NT	-
Cauliflower (V-1)	711	1	0.1	0.001 ^	0.0006 ^	NT	_
Grapes	523	0	0.1	0.001	0.010 ^	NT	_
Green Beans	127	0			0.015 ^	NT	_
Green Beans, Frozen	395	-			0.015 ^	NT	_
Lettuce		0					-
	512	0			0.0006 ^	NT	
Pears	394	0			0.010 ^	NT	-
Watermelon	<u>64</u>	<u>0</u>			0.010 ^	NT	-
TOTAL	3,239	1					
Methomyl (insecticide)							
Apples	743	4	0.5	0.002 - 0.028	0.001 - 0.014	1	2
Cantaloupe	558	88	15.8	0.020 - 0.14	0.012 - 0.014	0.2	0.2
Cauliflower	741	14	1.9	0.002 - 0.041	0.001 ^	2	2
Eggplant	736	22	3.0	0.020 - 0.22	0.012 ^	0.2	-
Grapefruit	719	0	0.0	0.020 0.22	0.014 ^	2	1
Grapes	739	42	5.7	0.010 - 0.80	0.010 - 0.014	5	5
Green Beans	181	42 7	3.9	0.025 - 0.34	0.014 - 0.014	2	1
						2	
Green Beans, Frozen	555	8	1.4	0.023 - 0.20	0.014 - 0.015		1
Lettuce	743	100	13.5	0.002 - 2.2	0.001 - 0.014	5	5
Orange Juice	744	0			0.010 - 0.014	2	1
Oranges	741	0			0.010 - 0.014	2	1
Pears	555	0			0.010 - 0.014	4	2
Strawberries	216	36	16.7	0.023 - 1.9	0.014 ^	2	-
Watermelon	182	16	8.8	0.007 - 0.11	0.004 - 0.014	0.2	0.2
Winter Squash	<u>731</u>	<u>0</u>			0.012 - 0.014	0.2	0.1
TOTAL	8,884	337					
Mathematics (Survey)							
Methoprene (insect growth		0			0.014 - 0.048	NT	
Apples	528	0					-
Cauliflower	741	0			0.048 ^	NT	-
Lettuce	<u>527</u>	<u>0</u>			0.014 - 0.096	NT	-
TOTAL	1,796	0					
Methoxychlor Total (insecti	cide)						
Apples	528	0			0.002 ^	NT	-
Cauliflower	741	0			0.002 ^	NT	-
Green Beans	127	0			0.005 ^	NT	-
Green Beans, Frozen	395	0			0.005 ^	NT	-
Lettuce	<u>527</u>	<u>0</u>			0.002 ^	NT	_
TOTAL	2,318	Ö			0.002		
Mathematikan 141 () it							
Methoxychlor olefin (metab	-	-			0.004 4	NIT	
Apples	528	0			0.001 ^	NT	-
Cauliflower	727	0			0.001 ^	NT	-
Lettuce	<u>527</u>	<u>0</u>			0.001 ^	NT	-
TOTAL	1,782	0					
Methoxychlor p,p' (isomer o	of Methoxvchlor)					
Cantaloupe	396	, 0			0.009 ^	NT	-
Grapes	523	0			0.008 ^	NT	-
Green Beans	54	0			0.020 ^	NT	-
Green Beans, Frozen	160	0			0.010 - 0.020	NT	_
	528				0.010 - 0.020	NT	-
Orange Juice		0					-
Oranges	525	0			0.020 ^	NT	-
Pears	394	0			0.008 ^	NT	-
Watermelon	64	0			0.008 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.009 ^	NT	-
TOTAL	3,162	Ō			0.000		

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRL
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Methoxyfenozide (insecticide)							
Watermelon	<u>59</u>	<u>0</u> 0			0.001 ^	0.3	-
TOTAL	59	0					
Metolachlor (herbicide)							
Apples	528	0			0.001 ^	NT	-
Cantaloupe	396	0			0.016 ^	NT	-
Cauliflower	741	0			0.001 ^	NT	
Grapes	523				0.015 ^	NT	
•		0					-
Green Beans	181	0			0.008 - 0.010	0.3	-
Green Beans, Frozen	555	0			0.008 - 0.010	0.3	-
Lettuce	527	0			0.001 ^	NT	-
Orange Juice	528	0			0.010 ^	NT	-
Oranges	525	0			0.010 ^	NT	-
Pears	394	0			0.015 ^	NT	-
Plums	573	0			0.023 ^	0.1	-
Plums, Dried (Prunes)	153	0			0.023 ^	0.1	-
Watermelon	64	0			0.015 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.016 ^	NT	-
TOTAL	6,206	0			0.010		
Metribuzin (herbicide)		_					
Apples	528	0			0.013 - 0.044	NT	-
Cantaloupe	396	0			0.016 ^	NT	-
Cauliflower	741	0			0.013 - 0.044	NT	-
Grapes	523	0			0.015 ^	NT	-
Lettuce	527	0			0.013 ^	NT	-
Orange Juice	528	0			0.030 ^	NT	-
Oranges	525	0			0.030 ^	NT	-
Pears	394	0			0.015 ^	NT	-
Watermelon	64	0			0.015 ^	NT	
						NT	-
Winter Squash TOTAL	<u>518</u> 4,744	<u>0</u> 0			0.016 ^	INT	-
Mevinphos Total (insecticide)	500	0			0.002 ^	NT	
Apples	528	0				NT	-
Cantaloupe	558	0			0.002 - 0.012	0.5	-
Grapes	739	0			0.002 - 0.008	0.5	-
Green Beans	127	0			0.017 ^	NT	-
Green Beans, Frozen	395	0			0.017 ^	NT	-
Lettuce	743	0			0.002 ^	0.5	-
Orange Juice	528	0			0.004 ^	NT	-
Oranges	525	0			0.004 ^	NT	-
Pears	394	0			0.008 ^	NT	-
Strawberries	737	2	0.3	0.001 ^	0.0006 - 0.002	1.0	-
Watermelon	182	0	0.0		0.002 - 0.008	0.5	-
Winter Squash	<u>518</u>				0.012 ^	NT	_
TOTAL	5,974	<u>0</u> 2			0.012		_
Monocrotophos (insecticide)	206	0			0.007 ^	NIT	
Cantaloupe	396	0				NT	-
Grapes	523	0			0.008 ^	NT	-
Pears	394	0			0.008 ^	NT	-
Watermelon	64	0			0.008 ^	NT	-
Winter Squash TOTAL	<u>518</u> 1,895	<u>0</u> 0			0.007 ^	NT	-
	.,000	v					
Myclobutanil (fungicide)	700		4 5	0.000 0.000	0.0000 0.000	0 F	<u> </u>
Apples	728	33	4.5	0.002 - 0.020	0.0009 - 0.020	0.5	0.5
Cantaloupe	558	0			0.008 - 0.020	0.20	-
Cauliflower Eggplant	711 736	0 0			0.0009 ^ 0.040 ^	0.03 0.03	-

Posticido / Commodity	Number of	Samples with Detections	% of Samples with Detections	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples			Detected, ppm	LODs, ppm	Level, ppm	ppm
Grapes	739	117	15.8	0.033 - 0.35	0.020 - 0.023	1.0	1
Green Beans	181	17	9.4	0.025 - 0.18	0.015 - 0.020	1.0	-
Green Beans, Frozen	555	10	1.8	0.025 - 0.033	0.015 - 0.020	1.0	-
Lettuce	728	0			0.0009 - 0.020	0.03	-
Orange Juice	528	0			0.020 ^	NT	-
Oranges	525	0			0.020 ^	NT	_
0	394	-			0.023 ^	NT	0.5
Pears		0					
Plums	573	0			0.033 ^	2.0	0.2
Plums, Dried (Prunes)	153	0			0.033 ^	2.0	0.2
Strawberries (X-2)	737	256	34.7	0.002 - 0.69	0.001 - 0.020	0.50	1
Watermelon	182	0			0.020 - 0.023	0.20	-
Winter Squash	731	2	0.3	0.014 ^	0.008 - 0.020	0.20	-
TOTAL	8,759	435	0.0	0.011	0.000 0.020	0.20	
Napropamide (herbicide)							
Apples	743	0			0.007 - 0.020	0.1	-
Cantaloupe	558	1	0.2	0.067 ^	0.020 - 0.040	0.1	-
Cauliflower			0.2	0.007	0.020 - 0.040		-
	741	0				0.1	-
Eggplant	736	0			0.033 ^	0.1	-
Grapefruit	742	0			0.020 ^	0.1	-
Lettuce	527	0			0.007 ^	NT	-
Orange Juice	744	0			0.020 ^	0.1	-
Oranges	741	0			0.020 ^	0.1	-
Pears	161	0			0.020 ^	0.1	_
Plums	573	0			0.033 ^	0.1	
		-				0.1	-
Plums, Dried (Prunes)	153	0			0.033 ^		-
Watermelon	118	0			0.020 ^	0.1	-
Winter Squash	<u>731</u>	<u>0</u>			0.020 - 0.040	0.1	-
TOTAL	7,268	1					
Naptalam (herbicide)							
Cantaloupe	88	0			0.24 ^	0.1	-
Winter Squash	<u>60</u>	<u>0</u>			0.24 ^	NT	-
TOTAL	148	Ō					
1-Naphthal (metabolite of C	arbarvl)						
Apples (V-2)	54	2	3.7	0.017 - 0.11	0.010 ^	NT	-
Cantaloupe	523	3	0.6	0.017 ^	0.010 - 0.16	10	
•						-	-
Grapefruit	196	1	0.5	0.017 ^	0.010 ^	10	-
Grapes	198	11	5.6	0.017 - 0.25	0.010 ^	10	-
Green Beans	54	0			0.010 ^	10	-
Green Beans, Frozen	142	0			0.010 ^	10	-
Lettuce	180	0			0.010 ^	10	-
Orange Juice	198	0			0.010 ^	10	-
Oranges	198	2	1.0	0.017 - 0.083	0.010 ^	10	-
Pears (V-10)	90	10	11.1	0.017 - 0.24	0.010 ^	NT	_
· · · · ·							-
Strawberries	180	3	1.7	0.017 ^	0.010 ^	10	-
Watermelon	105	0			0.010 - 0.018	10	-
Winter Squash	<u>678</u>	<u>0</u>			0.010 - 0.16	10	-
TOTAL	2,796	32					
Nitrapyrin (bactericide)							
Cantaloupe	44	0			0.016 ^	NT	-
Winter Squash	<u>43</u>	<u>0</u>			0.016 ^	NT	-
TOTAL	87	0					
Norflurazon (herbicide)							
Apples	685	0			0.005 - 0.032	0.1	-
					0.003 - 0.032	NT	-
Cantaloupe	396	0					-
0 ""	101	0			0.016 - 0.11	NT	-
Cauliflower	404						
Grapefruit	214	0			0.020 ^	0.2	-
							-

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Orange Juice	744	0			0.020 ^	0.2	-
Oranges	741	0			0.020 ^	0.2	-
Pears	555	0			0.010 - 0.020	0.1	-
Plums	573	0			0.053 ^	0.1	-
					0.053 ^	0.1	
Plums, Dried (Prunes)	153	0					-
Watermelon	64	0			0.010 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.018 ^	NT	-
TOTAL	6,226	0					
Norflurazon desmethyl (met	tabolite of Norfl	urazon)					
Apples	743	0			0.030 - 0.060	0.1	-
Cantaloupe	44	0			0.021 ^	NT	-
Cauliflower	741	0			0.060 ^	NT	-
Grapefruit	214	0			0.030 - 0.050	0.2	_
•							-
Grapes	739	0			0.010 - 0.030	0.1	-
Lettuce	527	0			0.018 - 0.12	NT	-
Orange Juice	744	0			0.030 ^	0.2	-
Oranges	741	0			0.030 ^	0.2	-
Pears	555	0			0.010 - 0.030	0.1	-
					0.041 ^	0.1	-
Plums	573	0				-	-
Plums, Dried (Prunes)	153	0			0.041 ^	0.1	-
Watermelon	64	0			0.010 ^	NT	-
Winter Squash	<u>43</u>	<u>0</u>			0.021 ^	NT	-
TOTAL	5,881	Ō					
101/12	0,001	· ·					
Omethoate (insecticide) (als				0.004 0.007	0.000 0.004	0	
Apples	743	5	0.7	0.004 - 0.037	0.002 - 0.004	2	-
	558	13	2.3	0.007 - 0.062	0.004 - 0.018	1	-
Cantaloupe	000						
Cantaloupe Cauliflower	725	12	1.7	0.004 - 0.013	0.002 ^	2	-
Cauliflower	725	12	1.7	0.004 - 0.013		2	-
Cauliflower Grapefruit	725 214	12 0			0.004 ^	2	-
Cauliflower Grapefruit Grapes	725 214 739	12 0 6	0.8	0.012 - 0.050	0.004 ^ 0.004 - 0.008	2 1	-
Cauliflower Grapefruit Grapes Green Beans	725 214 739 181	12 0 6 18	0.8 9.9	0.012 - 0.050 0.007 - 0.13	0.004 ^ 0.004 - 0.008 0.004 - 0.005	2 1 2	-
Cauliflower Grapefruit Grapes	725 214 739	12 0 6	0.8	0.012 - 0.050	0.004 ^ 0.004 - 0.008	2 1 2 2	
Cauliflower Grapefruit Grapes Green Beans	725 214 739 181	12 0 6 18	0.8 9.9	0.012 - 0.050 0.007 - 0.13	0.004 ^ 0.004 - 0.008 0.004 - 0.005	2 1 2	
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce	725 214 739 181 555 743	12 0 6 18 5 64	0.8 9.9 0.9	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.004 - 0.005 0.002 - 0.004	2 1 2 2 2	
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice	725 214 739 181 555 743 744	12 0 18 5 64 0	0.8 9.9 0.9 8.6	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.004 - 0.005 0.002 - 0.004 0.004 ^	2 1 2 2 2 2	- - - - -
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges	725 214 739 181 555 743 744 741	12 0 18 5 64 0 1	0.8 9.9 0.9 8.6 0.1	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^	2 1 2 2 2 2 2 2	
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice	725 214 739 181 555 743 744	12 0 6 18 5 64 0 1	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008	2 1 2 2 2 2	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges	725 214 739 181 555 743 744 741	12 0 18 5 64 0 1	0.8 9.9 0.9 8.6 0.1	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^	2 1 2 2 2 2 2 2	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon	725 214 739 181 555 743 744 741 555 182	12 0 6 18 5 64 0 1 1 5	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008	2 1 2 2 2 2 2 2 1	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears	725 214 739 181 555 743 744 741 555	12 0 6 18 5 64 0 1	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008	2 1 2 2 2 2 2 2 2	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL	725 214 739 181 555 743 744 741 555 182 <u>518</u>	12 0 6 18 5 64 0 1 1 5 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008	2 1 2 2 2 2 2 2 1	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide)	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^	2 1 2 2 2 2 2 2 1 NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^	2 1 2 2 2 2 2 1 NT	
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05	
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^	2 1 2 2 2 2 2 1 NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u>	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^ 0.010 ^ 0.010 ^ 0.020 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^ 0.010 ^ 0.010 ^ 0.020 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^ 0.010 ^ 0.010 ^ 0.020 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^ 0.010 ^ 0.010 ^ 0.020 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.018 ^ 0.010 ^ 0.010 ^ 0.020 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.020 ^ 0.013 ^ 0.008 - 0.015 0.013 ^ 0.013 - 0.015	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.020 ^ 0.013 ^ 0.008 - 0.015 0.013 ^ 0.013 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice Orange S	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528 558 741 728 528 558	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2 2.7	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^ 0.007 - 0.013	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.020 ^ 0.013 ^ 0.008 - 0.015 0.013 ^ 0.015 ^ 0.015 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT NT	
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.020 ^ 0.013 ^ 0.008 - 0.015 0.013 ^ 0.013 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528 558 741 728 528 558 741	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2 2.7	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.007 ^ 0.012 ^ 0.007 - 0.013	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.020 ^ 0.013 ^ 0.008 - 0.015 0.013 ^ 0.015 ^ 0.015 ^	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT NT	
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL Oxamyl (insecticide)	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528 558 741 728 528 558 741 728 528 558 741 728 528 559 741 728 528 559 741 728 528 559 741	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 1 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 0 0 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2 2.7	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.012 ^ 0.007 - 0.013	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.013 ^ 0.020 ^ 0.013 ^ 0.008 - 0.015 0.015 ^ 0.015 ^ 0.008 - 0.015	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT NT NT 0.1	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528 558 741 728 528 525 <u>519</u> 4,127	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 0 1 1 1 2	0.8 9.9 0.9 8.6 0.1 0.2 2.7 0.2 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.012 ^ 0.007 - 0.013 0.007 - 0.013	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.013 ^ 0.020 ^ 0.013 ^ 0.013 ^ 0.013 - 0.015 0.015 ^ 0.008 - 0.015 0.008 - 0.015	2 1 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT NT NT NT NT NT NT NT	- - - - - - -
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL Oxamyl (insecticide) Apples Cantaloupe	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528 558 741 728 528 525 <u>519</u> 4,127	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 1 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 1 1 5 0 0 0 0 0 0 0 0	0.8 9.9 0.9 8.6 0.1 0.2 2.7	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.012 ^ 0.007 - 0.013	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.013 ^ 0.020 ^ 0.013 ^ 0.008 - 0.015 0.013 ^ 0.015 ^ 0.015 ^ 0.008 - 0.015 0.008 - 0.015 0.008 - 0.015	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT NT NT NT NT NT 0.1	-
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL Oxamyl (insecticide) Apples	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528 558 741 728 528 525 <u>519</u> 4,127	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 0 1 1 1 2	0.8 9.9 0.9 8.6 0.1 0.2 2.7 0.2 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.012 ^ 0.007 - 0.013 0.007 - 0.013	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.013 ^ 0.020 ^ 0.013 ^ 0.013 ^ 0.013 - 0.015 0.015 ^ 0.008 - 0.015 0.008 - 0.015	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT NT NT NT NT NT 0.1	- - - - - - -
Cauliflower Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Watermelon Winter Squash TOTAL Oryzalin (herbicide) Grapes Pears Watermelon TOTAL Oxadixyl (fungicide) Apples Cantaloupe Cauliflower Lettuce Orange Juice Orange Juice Oranges Winter Squash TOTAL Oxamyl (insecticide) Apples Cantaloupe	725 214 739 181 555 743 744 741 555 182 <u>518</u> 7,198 523 394 <u>64</u> 981 528 558 741 728 528 558 741 728 528 525 <u>519</u> 4,127	12 0 6 18 5 64 0 1 1 5 <u>0</u> 130 0 0 0 0 0 0 0 0 0 0 1 1 2 4	0.8 9.9 0.9 8.6 0.1 0.2 2.7 0.2 0.2	0.012 - 0.050 0.007 - 0.13 0.008 - 0.031 0.004 - 0.077 0.012 ^ 0.007 - 0.013 0.007 - 0.013	0.004 ^ 0.004 - 0.008 0.004 - 0.005 0.002 - 0.004 0.004 ^ 0.004 ^ 0.004 - 0.008 0.004 - 0.008 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.013 ^ 0.020 ^ 0.013 ^ 0.008 - 0.015 0.013 ^ 0.015 ^ 0.015 ^ 0.008 - 0.015 0.008 - 0.015 0.008 - 0.015	2 1 2 2 2 2 2 1 NT 0.05 0.05 NT NT NT NT NT NT NT NT NT NT NT 0.1	- - - - - - - - - - - - - - - - - - -

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Grapes	523	0			0.010 ^	NT	-
Green Beans (V-1)	126	1	0.8	0.10 ^	0.020 ^	NT	-
Green Beans, Frozen	395	0			0.020 ^	NT	-
Lettuce	527	0			0.0003 - 0.003	NT	_
	744				0.008 - 0.010	3	5
Orange Juice		0					
Oranges	741	0			0.010 ^	3	5
Pears	555	0			0.008 - 0.010	2.0	-
Watermelon	182	6	3.3	0.022 - 0.16	0.004 - 0.010	2	-
Winter Squash	731	<u>0</u>			0.008 ^	2.0	-
TOTAL	7,991	25					
Oxamyl oxime (metabolite o	of Oxamyl)						
Apples	215	0			0.010 ^	2	2
Cantaloupe	148	8	5.4	0.017 - 0.16	0.010 ^	2.0	2
Grapefruit	683	0	0.1	01011 0110	0.010 - 0.014	3	5
						NT	-
Grapes	523	0			0.010 ^		
Orange Juice	672	0			0.010 ^	3	5
Oranges	525	0			0.010 ^	3	5
Pears	555	0			0.010 ^	2.0	-
Watermelon	123	13	10.6	0.014 - 0.24	0.010 ^	2	-
Winter Squash	213	<u>0</u>			0.010 ^	2.0	-
TOTAL	3,657	<u>⊻</u> 21			0.010	2.0	
Oxychlordane (metabolite o	f Chlordane)						
Apples	528	0			0.002 - 0.008	NT	-
Cauliflower	741	0			0.002 - 0.008	NT	-
Lettuce	527				0.002 - 0.008	NT	_
TOTAL	1,796	<u>0</u> 0			0.002 0.000		
Oxydemeton methyl (insect Grapefruit	icide) 220	0			0.020 ^	1	-
Strawberries	<u>521</u>	<u>0</u>			0.015 ^	2	-
TOTAL	741	Ō					
Oxydemeton methyl sulfone	(metabolite of	Oxvdemetor	methyl				
	743	0	····· · ··		0.009 - 0.015	1	-
Apples		•			0.015 ^	0.3	_
Apples Cantaloupe		Δ			0.010	0.5	
Cantaloupe	162	0	0.1	0.047.0	0 0 0 0 0	1	
Cantaloupe Eggplant	162 736	1	0.1	0.047 ^	0.028 ^	1	-
Cantaloupe Eggplant Grapefruit	162 736 720	1 0	0.1	0.047 ^	0.005 - 0.015	1	-
Cantaloupe Eggplant Grapefruit Grapes	162 736 720 739	1 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023	1 0.1	- - -
Cantaloupe Eggplant Grapefruit	162 736 720 739 181	1 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015	1 0.1 0.5	- - -
Cantaloupe Eggplant Grapefruit Grapes	162 736 720 739	1 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023	1 0.1	- - - -
Cantaloupe Eggplant Grapefruit Grapes Green Beans	162 736 720 739 181	1 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015	1 0.1 0.5	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce	162 736 720 739 181 555 743	1 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.010 - 0.015 0.009 - 0.015	1 0.1 0.5 0.5 2	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice	162 736 720 739 181 555 743 744	1 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.010 - 0.015 0.009 - 0.015 0.015 ^	1 0.1 0.5 0.5 2 1	- - - - -
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges	162 736 720 739 181 555 743 744 741	1 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^	1 0.1 0.5 0.5 2 1 1	-
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears	162 736 720 739 181 555 743 744 741 555	1 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 - 0.023	1 0.1 0.5 0.5 2 1 1 0.3	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums	162 736 720 739 181 555 743 744 741 555 573	1 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^	1 0.1 0.5 0.5 2 1 1 0.3 1	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears	162 736 720 739 181 555 743 744 741 555 573 153	1 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 - 0.023	1 0.1 0.5 0.5 2 1 1 0.3 1 1	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums	162 736 720 739 181 555 743 744 741 555 573	1 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^	1 0.1 0.5 0.5 2 1 1 0.3 1	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes)	162 736 720 739 181 555 743 744 741 555 573 153 737	1 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^	1 0.1 0.5 0.5 2 1 1 0.3 1 1 2	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon	162 736 720 739 181 555 743 744 741 555 573 153 737 182	1 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 $0.015 ^{-}$ $0.015 ^{-}$ $0.015 ^{-}$ 0.015 - 0.023 $0.028 ^{-}$ 0.002 - 0.015 0.012 - 0.023	1 0.1 0.5 2 1 1 0.3 1 2 0.3	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries	162 736 720 739 181 555 743 744 741 555 573 153 737	1 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^ 0.028 ^ 0.002 - 0.015	1 0.1 0.5 0.5 2 1 1 0.3 1 1 2	-
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u>	1 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 $0.015 ^{-}$ $0.015 ^{-}$ $0.015 ^{-}$ 0.015 - 0.023 $0.028 ^{-}$ 0.002 - 0.015 0.012 - 0.023	1 0.1 0.5 2 1 1 0.3 1 2 0.3	- - - - - - - - - -
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Oxyfluorfen (herbicide)	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u> 8,477	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 $0.015 ^{-}$ $0.015 ^{-}$ $0.015 ^{-}$ $0.028 ^{-}$ $0.028 ^{-}$ $0.028 ^{-}$ $0.0215 ^{-}$	1 0.1 0.5 0.5 2 1 1 0.3 1 2 0.3 0.3	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Oxyfluorfen (herbicide) Apples	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u> 8,477	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^ 0.028 ^ 0.002 - 0.015 0.012 - 0.023 0.015 ^	1 0.1 0.5 2 1 1 0.3 1 2 0.3 0.3 0.3	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Oxyfluorfen (herbicide) Apples Cauliflower	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u> 8,477 743 741	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^ 0.028 ^ 0.002 - 0.015 0.012 - 0.023 0.015 ^	1 0.1 0.5 0.5 2 1 1 0.3 1 2 0.3 0.3 0.3	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Oxyfluorfen (herbicide) Apples Cauliflower Grapes	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u> 8,477 743 741 739	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^ 0.028 ^ 0.002 - 0.015 0.012 - 0.023 0.015 ^ 0.015 ^	1 0.1 0.5 0.5 2 1 1 0.3 1 2 0.3 0.3 0.3 0.05 0.05 0.05	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Oxyfluorfen (herbicide) Apples Cauliflower Grapes Lettuce	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u> 8,477 743 741 739 527	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^ 0.028 ^ 0.002 - 0.015 0.012 - 0.023 0.015 ^ 0.015 ^	1 0.1 0.5 0.5 2 1 1 0.3 1 1 2 0.3 0.3 0.3 0.05 0.05 0.05 0.05 NT	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Oxyfluorfen (herbicide) Apples Cauliflower Grapes	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u> 8,477 743 741 739 527 528	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^ 0.028 ^ 0.002 - 0.015 0.012 - 0.023 0.015 ^ 0.015 ^ 0.015 ^	1 0.1 0.5 0.5 2 1 1 0.3 1 1 2 0.3 0.3 0.3 0.05 0.05 0.05 NT NT	-
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Oxyfluorfen (herbicide) Apples Cauliflower Grapes Lettuce	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u> 8,477 743 741 739 527	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^ 0.028 ^ 0.002 - 0.015 0.012 - 0.023 0.015 ^ 0.015 ^	1 0.1 0.5 0.5 2 1 1 0.3 1 1 2 0.3 0.3 0.3 0.05 0.05 0.05 0.05 NT	
Cantaloupe Eggplant Grapefruit Grapes Green Beans Green Beans, Frozen Lettuce Orange Juice Oranges Pears Plums, Dried (Prunes) Strawberries Watermelon Winter Squash TOTAL Oxyfluorfen (herbicide) Apples Cauliflower Grapes Lettuce Orange Juice	162 736 720 739 181 555 743 744 741 555 573 153 737 182 <u>213</u> 8,477 743 741 739 527 528	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1	0.047 ^	0.005 - 0.015 0.015 - 0.023 0.010 - 0.015 0.009 - 0.015 0.015 ^ 0.015 ^ 0.015 ^ 0.015 - 0.023 0.028 ^ 0.028 ^ 0.002 - 0.015 0.012 - 0.023 0.015 ^ 0.015 ^ 0.015 ^	1 0.1 0.5 0.5 2 1 1 0.3 1 2 0.3 0.3 0.3 0.05 0.05 0.05 NT NT	

	Number of	Samples with		Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Plums, Dried (Prunes)	153	0			0.032 ^	0.05	-
Watermelon	<u>64</u>	<u>0</u> 0			0.025 ^	NT	-
TOTAL	5,148	0					
Parathion (insecticide)							
Apples	528	0			0.005 ^	NT	-
Cantaloupe	396	0			0.006 ^	NT	-
Cauliflower	741	0			0.005 ^	NT	-
Grapes	523	0			0.008 ^	NT	-
Green Beans	127	0			0.017 ^	NT	-
Green Beans, Frozen	395	0			0.017 ^	NT	-
Lettuce	527	0			0.005 ^	NT	-
Orange Juice	528	0			0.003 ^	NT	-
Oranges	525	0			0.003 ^	NT	-
Pears	394	0			0.008 ^	NT	-
Watermelon	64	0			0.008 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.006 ^	NT	-
TOTAL	5,266	Ö			0.000		
Parathion methyl (insecticio	,	0			0.002.4	NIT	0.0
Apples	528	0			0.002 ^	NT	0.2
Cantaloupe	396	0			0.006 ^	NT	-
Cauliflower	741	0			0.002 ^	NT	-
Grapes	523	0			0.004 ^	NT	0.5
Green Beans	127	0			^ 800.0	NT	-
Green Beans, Frozen	395	0			0.008 ^	NT	-
Lettuce	527	0			0.002 ^	NT	-
Pears	394	0			0.004 ^	NT	-
Watermelon	64	0			0.004 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.006 ^	NT	-
TOTAL	4,213	Ō					
Parathion methyl oxygen an	alog (metabolit	e of Parathio	n methyl)				
Apples	528	0	in meanyly		0.005 ^	NT	-
Cauliflower	741	0			0.005 ^	NT	-
Lettuce	<u>527</u>				0.005 ^	NT	_
TOTAL	1,796	<u>0</u> 0			0.000		
Parathion oxygen analog (n Apples		-			0.003 ^	NT	
		0					-
Cantaloupe	396	0			0.016 ^	NT	-
Cauliflower	741	0			0.003 ^	NT	-
Lettuce	527	0			0.003 ^	NT	-
Orange Juice	528	0			0.003 ^	NT	-
Oranges	525	0			0.003 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.016 ^	NT	-
TOTAL	3,763	0					
Pendimethalin (herbicide)							
Cantaloupe	396	0			0.016 ^	NT	-
Grapes	523	0			0.015 ^	NT	-
Green Beans	181	0			0.015 - 0.020	NT	-
Green Beans, Frozen	555	0			0.015 - 0.020	NT	-
Orange Juice	528	0			0.020 ^	NT	-
Oranges	525	0			0.020 ^	NT	-
Pears	394	0			0.015 ^	NT	_
Watermelon	394 64				0.015 ^	NT	-
		0	0.4	0.027 ^	0.015 ^	NT	-
Winter Squash (V-2) TOTAL	<u>518</u> 3,684	<u>2</u> 2	0.4	0.027 ^	0.010 ^	INI	-
Pentachloroaniline - PCA (n		intozene)					
Apples	F00	~			0 004 4	NIT	
Apples Cauliflower	528 741	0 0			0.001 ^ 0.001 ^	NT 0.1	-

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRL
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Grapes	523	0			0.005 ^	NT	-
Green Beans	127	0			0.010 ^	0.1	
Green Beans, Frozen	395	0			0.010 ^	0.1	_
		1	0.2	0.002 ^		NT	-
Lettuce (V-1)	527		0.2	0.002 /	0.001 ^		-
Pears	394	0			0.005 ^	NT	-
Watermelon	<u>64</u>	<u>0</u>			0.005 ^	NT	-
TOTAL	3,299	1					
Pentachlorobenzene - PCB	(metabolite of G	(uintozene)					
Apples	528	0			0.002 - 0.006	NT	-
Cantaloupe	396	0			0.002 ^	NT	-
Cauliflower	741	0			0.002 ^	0.1	-
Grapes	523	0			0.002 ^	NT	-
Green Beans	163	0			0.002 - 0.003	0.1	-
Green Beans, Frozen	395	0			0.003 ^	0.1	_
Lettuce	527				0.002 ^	NT	
	-	0					-
Pears	394	0			0.002 ^	NT	-
Watermelon	64	0			0.002 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.002 ^	NT	-
TOTAL	4,249	0					
Pentachlorophenyl methyl se	ulfide (metabol	ite of Quinto	zene)				
Apples	` 528	0	-		0.001 ^	NT	-
Cauliflower	741	0			0.001 - 0.005	0.1	-
Grapes	523	0			0.005 ^	NT	-
Green Beans	125	0 0			0.010 ^	0.1	_
	395	-			0.010 ^	0.1	
Green Beans, Frozen		0				-	-
Lettuce	527	0			0.001 ^	NT	-
Pears	394	0			0.005 ^	NT	-
Watermelon	<u>64</u>	<u>0</u>			0.005 ^	NT	-
TOTAL	3,297	0					
Permethrin Total (insecticid	e)						
Cantaloupe	396	1	0.3	0.048 ^	0.029 ^	3.0	0.1
Grapes	523	0	0.0	01010	0.038 ^	NT	2
Green Beans	126	0			0.075 ^	NT	1
Green Beans. Frozen		-					1
	395	0			0.075 ^	NT	-
Pears	394	0			0.038 ^	3.0	2
Watermelon	123	0			0.030 - 0.038	3.0	-
Winter Squash	<u>518</u>	<u>0</u>			0.029 ^	3.0	0.5
TOTAL	2,475	<u>0</u> 1					
Permethrin cis (isomer of Pe	ermethrin)						
Apples	743	1	0.1	0.025 ^	0.002 - 0.012	0.05	2
Cantaloupe	162	0	.		0.012 ^	3.0	0.1
Cauliflower	741	0			0.002 - 0.008	1.0	0.1
			05	0.022 0.045			
Eggplant	736	4	0.5	0.022 - 0.045	0.013 ^	1.0	1
Lettuce	743	146	19.7	0.004 - 1.7	0.002 - 0.012	20.0	2
Orange Juice (V-1)	529	1	0.2	0.020 ^	0.012 - 0.015	NT	0.5
Oranges	525	0			0.015 ^	NT	0.5
Pears	161	0			0.012 ^	3.0	2
Watermelon	59	0			0.012 - 0.015	3.0	-
Winter Squash	<u>213</u>	3	1.4	0.020 ^	0.012 ^	3.0	0.5
TOTAL	4,612	155					
Permethrin trans (isomer of	Permethrin)						
Apples	743	1	0.1	0.037 ^	0.002 - 0.012	0.05	2
			0.1	0.007	0.002 - 0.012		0.1
Cantaloupe	162	0				3.0	
Cauliflower	741	0	a -		0.002 - 0.008	1.0	0.5
Eggplant	736	6	0.8	0.022 - 0.046	0.013 ^	1.0	1
Lettuce	743	131	17.6	0.004 - 2.2	0.002 - 0.012	20.0	2
	500	1	0.2	0.020 ^	0.012 - 0.015	NT	0.5
Orange Juice (V-1)	529	1	0.2	0.020	0.012 0.010		0.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMR ppm
•				ppin			
Pears	161	0			0.012 ^	3.0	2
Watermelon	59	0			0.012 - 0.015	3.0	-
Winter Squash	<u>213</u>	<u>2</u>	0.9	0.020 - 0.046	0.012 ^	3.0	0.5
TOTAL	4,612	141					
Phenmedipham (herbicide)							
Cantaloupe	396	0			0.097 ^	NT	-
Winter Squash (V-4)	<u>518</u>	<u>4</u>	0.8	0.16 ^	0.097 ^	NT	-
TOTAL	914	4					
Phenothrin (insecticide)							
Grapes	523	0			0.075 ^	NT	-
Pears	394	0			0.075 ^	NT	-
Watermelon					0.075 ^	NT	
	<u>64</u>	<u>0</u>			0.075 ~	INI	-
TOTAL	981	0					
Phenthoate (insecticide)							
Apples	528	0			0.006 ^	NT	-
Cauliflower	741	0			0.006 ^	NT	-
Lettuce	<u>527</u>	<u>0</u>			0.006 ^	NT	-
TOTAL	1,796	0					
o-Phenylphenol (fungicide)							
Apples	743	49	6.6	0.005 - 0.53	0.003 - 0.010	25	-
Cantaloupe	558	34	6.1	0.014 - 0.24	0.008 - 0.010	10	-
Cauliflower (V-1)	741	1	0.1	0.005 ^	0.003 ^	NT	_
Eggplant (V-1)	1	1	100.0	0.057 ^	0.010 ^	NT	
							-
Grapefruit	742	75	10.1	0.017 ^	0.010 - 0.076	10	10
Grapes	523	0			0.015 ^	NT	-
Green Beans (V-31)	51	31	60.8	0.017 - 0.020	0.010 ^	NT	-
Green Beans, Froz. (V-68)	68	68	100.0	0.017 - 0.095	0.010 ^	NT	-
Lettuce (V-80)	639	80	12.5	0.017 ^	0.003 - 0.010	NT	-
Orange Juice	744	387	52.0	0.017 - 0.096	0.010 ^	10	0.5
Oranges	741	254	34.3	0.017 - 0.084	0.010 ^	10	10
Pears	555	76	13.7	0.015 - 13	0.010 - 0.015	25.0	20
Plums	573	8	1.4	0.017 ^	0.010 ^	20:0	-
			1.4	0.017			-
Plums, Dried (Prunes)	153	0			0.010 ^	20	-
Strawberries (V-3)	3	3	100.0	0.017 ^	0.010 ^	NT	-
Watermelon (V-28)	123	28	22.8	0.017 ^	0.010 - 0.015	NT	-
Winter Squash (V-128)	<u>689</u>	<u>128</u>	18.6	0.014 - 0.035	0.008 - 0.010	NT	-
TOTAL	7,647	1,223					
Phorate (insecticide)							
Apples	528	0			0.002 ^	NT	-
Cantaloupe	396	0			0.012 ^	NT	-
Grapes	523	0			0.004 ^	NT	-
Green Beans	181	0			0.003 - 0.011	0.1	0.1
Green Beans, Frozen	555	0			0.003 - 0.008	0.1	0.1
Lettuce	527				0.003 - 0.008	NT	0.1
		0			0.002 ^		-
Pears	394	0				NT	-
Watermelon	64	0			0.004 ^	NT	-
Winter Squash TOTAL	<u>518</u> 3,686	<u>0</u> 0			0.012 ^	NT	-
	,	-					
Phorate oxygen analog (meta Apples	bolite of Phor 528	ate) 0			0.001 ^	NT	-
Lettuce	<u>527</u>	<u>0</u>			0.001 ^	NT	-
TOTAL	1,055	0			0.001		
Phorate sulfone (metabolite c	of Phorata)						
Apples	528	0			0.003 ^	NT	
	528 396	0					-
Cantaloupe Cauliflower	396 741	0 0			0.012 ^ 0.003 ^	NT NT	-

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Grapes	523	0			0.012 ^	NT	-
Green Beans	181	0			0.004 - 0.005	0.1	0.1
Green Beans, Frozen	555	0			0.004 - 0.005	0.1	0.1
Lettuce	527	0			0.003 ^	NT	-
Pears	394	0			0.012 ^	NT	_
Watermelon	64	0			0.012 ^	NT	
	-						-
Winter Squash	<u>518</u>	<u>0</u>			0.012 ^	NT	-
TOTAL	4,427	0					
Phorate sulfoxide (metabolite	of Phorate)						
Apples	528	0			0.009 ^	NT	-
Cauliflower	741	0			0.009 ^	NT	-
Lettuce	<u>527</u>	<u>0</u>			0.009 ^	NT	-
TOTAL	1,796	Ō					
Phosalona (insocticida)							
Phosalone (insecticide)	743	1	0.1	0 0 2 0 4	0.002 - 0.006	10.0	n
Apples	-	1	0.1	0.020 ^		10.0	2
Grapes	739	0			0.006 - 0.015	10.0	-
Green Beans	127	0			0.030 ^	NT	-
Green Beans, Frozen	395	0			0.030 ^	NT	-
Lettuce	527	0			0.002 ^	NT	-
Pears	555	0			0.006 - 0.015	10.0	2
Plums	573	0			0.039 ^	15.0	2
Plums, Dried (Prunes)	153	0			0.039 ^	15.0	2
Watermelon	<u>64</u>	<u>0</u>			0.015 ^	NT	-
TOTAL	3,876	1					
Phosmet (insecticide)							
Apples	743	144	19.4	0.008 - 0.28	0.005 ^	10	10
Cantaloupe	396	0			0.012 ^	NT	-
Grapefruit	214	0			0.005 ^	5	5
		-	0.0	0.000 4.7			
Grapes	739	16	2.2	0.008 - 1.7	0.005 - 0.008	10	10
Green Beans	127	0			0.017 ^	NT	-
Green Beans, Frozen	395	0			0.017 ^	NT	-
Lettuce	527	0			0.005 ^	NT	-
Orange Juice	744	0			0.005 ^	5	5
Oranges	741	0			0.005 ^	5	5
Pears	555	82	14.8	0.008 - 0.86	0.005 - 0.008	10	10
			19.4		0.003 - 0.008		-
Plums	573	111	19.4	0.005 - 0.58		5	-
Plums, Dried (Prunes)	153	0			0.003 ^	5	-
Watermelon	64	0			0.008 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.012 ^	NT	-
TOTAL	6,489	353					
Phosphamidon (insecticide)							
Apples	528	0			0.003 ^	NT	-
Cantaloupe	396	0			0.029 ^	NT	-
Cauliflower	741				0.003 ^	NT	-
		0					-
Grapes	523	0			0.015 ^	NT	-
Green Beans	127	0			0.033 ^	NT	-
Green Beans, Frozen	395	0			0.033 ^	NT	-
Lettuce	527	0			0.003 ^	NT	-
Pears	394	0			0.015 ^	NT	-
Watermelon	64	0			0.015 ^	NT	-
							-
Winter Squash TOTAL	<u>518</u> 4,213	<u>0</u> 0			0.029 ^	NT	-
Piperonyl butoxide (insecticio		0			0.005 - 0.016	8	
Apples	743	0					-
Cantaloupe	558	0			0.008 - 0.010	8	1
					0.005 ^	EX	-
Cauliflower	741	0					
Cauliflower Eggplant	741 736	0			0.003 ^	EX	-

Posticido / Commoditu	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of	EPA Tolerance	Codex MRL/EMRL
Pesticide / Commodity	•	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Grapes	739	0			0.010 - 0.015	8	-
Green Beans	181	0			0.010 - 0.015	8	-
Green Beans, Frozen	555	0			0.010 - 0.015	8	-
Lettuce	743	2	0.3	0.021 - 0.025	0.005 - 0.010	EX	50
Orange Juice	744	0			0.010 ^	8	0.05
Oranges	741	1	0.1	0.017 ^	0.010 ^	8	5
Pears	555	0	0.1	0.017	0.010 - 0.015	8	-
							-
Plums	573	0			0.012 ^	8	-
Plums, Dried (Prunes)	153	5	3.3	0.020 ^	0.012 ^	8	-
Watermelon	86	0			0.010 - 0.015	EX	1
Winter Squash	<u>731</u>	<u>2</u>	0.3	0.092 - 0.22	0.008 - 0.016	EX	1
TOTAL	8,793	10					
Pirimicarb (insecticide)							
Apples	528	0			0.010 ^	NT	1
Cauliflower	741	0			0.010 ^	NT	1
	527				0.010 ^	NT	
Lettuce		0					1
Watermelon	<u>64</u>	<u>0</u>			0.005 ^	NT	-
TOTAL	1,860	0					
Pirimiphos methyl (insectici	de)						
Apples	528	0			0.002 ^	NT	-
Cantaloupe	396	0			0.016 ^	NT	-
Cauliflower	741	0			0.002 ^	NT	_
Grapes	523	0			0.004 ^	NT	
•							-
Green Beans	127	0			0.008 ^	NT	-
Green Beans, Frozen	395	0			0.008 ^	NT	-
Lettuce	527	0			0.002 ^	NT	-
Pears	394	0			0.004 ^	NT	-
Watermelon	64	0			0.004 ^	NT	-
Winter Squash	518				0.016 ^	NT	-
TOTAL	4,213	<u>0</u> 0					
Prallethrin (insecticide)							
Apples	215	0			0.010 ^	1.0	-
Cantaloupe	558	0			0.010 - 0.024	1.0	_
•							-
Eggplant	736	0			0.028 ^	1.0	-
Grapefruit	742	0			0.010 - 0.064	1.0	-
Grapes	216	0			0.010 ^	1.0	-
Lettuce	216	0			0.010 ^	1.0	-
Orange Juice	744	0			0.010 ^	1.0	-
Oranges	741	0			0.010 ^	1.0	-
Pears	161	0			0.010 ^	1.0	_
							-
Plums	573	0			0.028 ^	1.0	-
Plums, Dried (Prunes)	153	0			0.028 ^	1.0	-
Strawberries	737	0			0.010 - 0.082	1.0	-
Watermelon	182	0			0.010 ^	1.0	-
Winter Squash	<u>731</u>				0.010 - 0.024	1.0	-
TOTAL	6,705	<u>0</u> 0					
Prochloraz (fungicide)							
Grapes	523	0			0.002 ^	NT	-
							-
Green Beans	127	0			0.003 ^	NT	-
Green Beans, Frozen	395	0			0.003 ^	NT	-
Pears	394	0			0.002 ^	NT	-
Watermelon	<u>64</u>	<u>0</u>			0.002 ^	NT	-
TOTAL	1,503	Ō					
Procymidone (fungicide)							
Grapes	523	0			0.005 ^	NT	5
Pears	394	0			0.005 ^	NT	1
Watermalan	<u>64</u>	0			0.005 ^	NT	-
Watermelon TOTAL	981	<u>0</u> 0			0.000		

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRI
Pesticide / Commodity	Samples	Detections	with Detections	-	LODs, ppm	Level, ppm	ppm
Profenofos (insecticide)							
Apples	528	0			0.002 ^	NT	-
Cauliflower	741	0			0.002 ^	NT	_
	523				0.011 ^	NT	
Grapes		0					-
Lettuce	527	0			0.002 ^	NT	-
Pears	394	0			0.011 ^	NT	-
Watermelon	<u>64</u>	<u>0</u>			0.011 ^	NT	-
TOTAL	2,777	0					
Prometryn (herbicide)							
Apples	528	0			0.007 ^	NT	-
Cantaloupe	396	0			0.049 ^	NT	_
Cauliflower					0.007 ^	NT	
	741	0					-
Lettuce	527	0			0.007 - 0.022	NT	-
Orange Juice	528	0			0.010 ^	NT	-
Oranges	525	0			0.010 ^	NT	-
Winter Squash	518	<u>0</u>			0.049 ^	NT	-
TOTAL	3,763	Ō			-		
Pronamide (herbicide)							
Apples	743	0			0.006 - 0.083	0.1	-
							-
Cantaloupe	396	0			0.018 ^	NT	-
Cauliflower	741	0			0.006 ^	NT	-
Grapes	739	0			0.007 - 0.008	0.1	-
Green Beans	126	0			0.015 ^	NT	-
Green Beans, Frozen	395	0			0.015 ^	NT	-
Lettuce	743	4	0.5	0.010 - 0.053	0.006 - 0.008	1.0	
	-		0.5	0.010 - 0.055		-	-
Pears	555	0			0.007 - 0.008	0.1	-
Plums	573	0			0.014 ^	0.1	-
Plums, Dried (Prunes)	153	0			0.014 ^	0.1	-
Watermelon	64	0			0.008 ^	NT	-
Winter Squash	518	<u>0</u>			0.018 ^	NT	_
TOTAL	5,746	<u>4</u>			0.010		
Propamocarb hydrochloride	(fungicido)						
Watermelon		0			0.010 ^	1.5	
	<u>64</u>	<u>0</u> 0			0.010 ^	1.5	-
TOTAL	64	0					
Propargite (insecticide)							
Apples	528	0			0.026 - 0.088	NT	3
Cantaloupe	396	0			0.008 ^	NT	-
Cauliflower	741	0			0.026 ^	NT	-
Grapefruit	742	0			0.020 - 0.030	5	3
Grapes	739				0.015 - 0.020	10	5 7
		0					
Lettuce	527	0			0.026 ^	NT	-
Orange Juice	744	0			0.020 ^	5	0.3
Oranges	741	0			0.020 ^	5	3
Pears	394	0			0.015 ^	NT	5
Watermelon	64	0			0.015 ^	NT	-
Winter Squash	<u>518</u>				0.008 ^	NT	-
TOTAL	<u>6,134</u>	<u>0</u> 0			0.000	111	-
Pronotompheo (incenticida)							
Propetamphos (insecticide)	740	-			0.000 0.000	0.1	
Apples	743	0			0.002 - 0.003	0.1	-
Cantaloupe	558	0			0.003 - 0.008	0.1	-
Cauliflower	741	0			0.002 ^	0.1	-
Grapefruit	214	0			0.003 ^	0.1	-
Grapes	739	0			0.003 - 0.004	0.1	-
Lettuce	739				0.002 - 0.003	0.1	-
		0 0			0.002 - 0.003	0.1	-
Orango luico					0.00.57	U. I	-
Orange Juice	744						
Orange Juice Oranges Pears	744 741 555	0			0.003 ^ 0.003 - 0.004	0.1 0.1	-

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMRI ppm
Plums	573			20100100, pp	0.008 ^	0.1	
		0			0.008 ^	0.1	-
Plums, Dried (Prunes)	153	0					-
Strawberries	737	0			0.0006 - 0.003	0.1	-
Watermelon	182	0			0.003 - 0.006	0.1	-
Winter Squash	<u>731</u>	<u>0</u>			0.003 - 0.008	0.1	-
TOTAL	8,154	0					
Propham (herbicide)							
Watermelon	<u>59</u>	<u>0</u>			0.008 ^	NT	-
TOTAL	59	0					
Propiconazole (fungicide)							
Apples	410	0			0.005 ^	NT	-
Cantaloupe	396	0			0.016 ^	NT	-
Cauliflower	572	0			0.005 ^	NT	-
Lettuce	469	0			0.005 ^	NT	_
Orange Juice	528				0.036 ^	NT	_
5		0			0.036 ^		-
Oranges	525	0				NT	-
Plums	573	2	0.3	0.060 - 0.12	0.036 ^	1.0	1
Plums, Dried (Prunes)	153	1	0.7	0.26 ^	0.036 ^	1.0	1
Watermelon	64	0			0.010 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.016 ^	NT	-
TOTAL	4,208	3					
Propoxur (insecticide)							
Grapes	175	0			0.010 ^	NT	-
Green Beans	83	0			0.015 ^	NT	-
Pears	218	<u>0</u>			0.010 ^	NT	-
TOTAL	476	Ō					
Pymetrozine (insecticide)							
Cauliflower	648	0			0.005 ^	0.5	_
Lettuce	469		0.2	0.033 ^	0.005 ^	0.6	_
TOTAL	1,117	<u>1</u> 1	0.2	0.055	0.005 **	0.0	-
B							
Pyraclostrobin (fungicide)	400	-			0.004.4		
Apples	132	7	5.3	0.002 - 0.016	0.001 ^	1.5	-
Cauliflower	216	0			0.001 ^	5.0	-
Eggplant	736	0			0.030 ^	1.4	-
Grapefruit	528	40	7.6	0.0003 - 0.003	0.0003 ^	2.0	-
Lettuce	132	1	0.8	0.005 ^	0.001 ^	29.0	-
Watermelon	<u>123</u>	<u>0</u>			0.001 - 0.003	0.5	-
TOTAL	1,867	48					
Pyridaben (insecticide, acari	cide)						
Apples	215	0			0.015 ^	0.5	-
Grapefruit	742	5	0.7	0.001 - 0.002	0.001 - 0.015	0.5	-
Grapes	216	1	0.5	0.025 ^	0.015 ^	1.5	_
Orange Juice	744	0	0.0	0.020	0.010 - 0.015	0.5	-
Oranges	744 741				0.010 - 0.015	0.5	-
-		0			0.010 - 0.015 0.015 ^		-
Pears	161	0				0.75	-
Plums	573	0			0.041 ^	2.5	-
Plums, Dried (Prunes) TOTAL	<u>153</u> 3,545	<u>0</u> 6			0.041 ^	2.5	-
Pyrimethanil (fungicide)	400	6	A E	0.0005 0.70	0.0002.4	2.0	
Apples	132	6	4.5	0.0005 - 0.76	0.0003 ^	3.0	-
Cauliflower	216	0			0.0003 ^	NT	-
Lettuce	132	0			0.0003 ^	NT	-
Watermelon	<u>64</u> 544	<u>0</u> 6			0.003 ^	NT	-
TOTAL							

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Pyriproxyfen (insecticide, g	arowth regulator)						
Apples	743	1	0.1	0.022 ^	0.005 - 0.013	0.2	-
Cantaloupe	162	0	••••		0.005 ^	0.10	_
Cauliflower	741	0			0.013 ^	0.70	_
Eggplant	736	0			0.012 ^	0.2	-
Grapefruit	258	0			0.005 - 0.045	0.3	0.5
Grapes	739	0			0.005 - 0.015	0.10	-
Green Beans	181	0			0.005 - 0.030	0.10	-
Green Beans, Frozen	555	0			0.005 - 0.030	0.10	-
Lettuce	743	0			0.005 - 0.013	0.10	-
Orange Juice	744	Õ			0.005 - 0.008	0.3	0.5
0							
Oranges	741	0			0.005 - 0.008	0.3	0.5
Pears	555	0			0.005 - 0.015	0.2	-
Plums	573	0			0.012 ^	1.0	-
Plums, Dried (Prunes)	153	0			0.012 ^	1.0	-
Strawberries	216	4	1.9	0.008 - 0.079	0.005 ^	0.30	-
Watermelon	182	0			0.004 - 0.015	0.10	-
Winter Squash							-
•	<u>213</u>	<u>0</u> 5			0.005 - 0.009	0.10	-
TOTAL	8,235	5					
Quinoxyfen (fungicide)							
Watermelon	118	0			0.0005 - 0.004	0.30	_
TOTAL	<u>118</u>	<u>0</u> 0			0.0003 - 0.004	0.00	
IUIAL	110	U					
Quintozene - PCNB (fungic	ide) (parent of H	CB, PCA and	I PCB)				
Apples	454	0	- /		0.010 - 0.064	NT	-
Cantaloupe	396	0			0.004 ^	NT	_
•							-
Cauliflower	576	0			0.003 - 0.040	0.1	-
_							
Grapes	523	0			0.002 ^	NT	-
Grapes Green Beans	523 181	0 12	6.6	0.001 ^	0.002 ^ 0.0008 - 0.003	NT 0.1	- 0.1
Green Beans		-	6.6 0.4	0.001 ^ 0.001 - 0.012			- 0.1 0.1
Green Beans Green Beans, Frozen	181 555	12 2			0.0008 - 0.003 0.0008 - 0.003	0.1 0.1	
Green Beans Green Beans, Frozen Lettuce	181 555 513	12 2 0			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040	0.1 0.1 NT	0.1
Green Beans Green Beans, Frozen Lettuce Pears	181 555 513 394	12 2 0 0			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^	0.1 0.1 NT NT	0.1 - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon	181 555 513 394 64	12 2 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^	0.1 0.1 NT NT NT	0.1
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash	181 555 513 394 64 <u>518</u>	12 2 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^	0.1 0.1 NT NT	0.1 - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon	181 555 513 394 64	12 2 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^	0.1 0.1 NT NT NT	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL	181 555 513 394 64 <u>518</u>	12 2 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^	0.1 0.1 NT NT NT	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide)	181 555 513 394 64 <u>518</u> 4,174	12 2 0 0 0 0 <u>0</u> 14			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^ 0.004 ^	0.1 0.1 NT NT NT	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples	181 555 513 394 64 <u>518</u> 4,174 215	12 2 0 0 0 0 1 4			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^ 0.004 ^	0.1 0.1 NT NT NT 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe	181 555 513 394 64 <u>518</u> 4,174 215 558	12 2 0 0 0 0 0 14 0 0			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^ 0.004 ^ 0.010 ^ 0.010 - 0.032	0.1 0.1 NT NT NT 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit	181 555 513 394 64 <u>518</u> 4,174 215 558 742	12 2 0 0 0 0 1 4			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 ^ 0.010 - 0.032 0.010 - 0.015	0.1 0.1 NT NT NT 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe	181 555 513 394 64 <u>518</u> 4,174 215 558	12 2 0 0 0 0 0 14 0 0			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^ 0.004 ^ 0.010 ^ 0.010 - 0.032	0.1 0.1 NT NT NT 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit	181 555 513 394 64 <u>518</u> 4,174 215 558 742	12 2 0 0 0 0 14 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 ^ 0.010 - 0.032 0.010 - 0.015	0.1 0.1 NT NT NT 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce	181 555 513 394 64 <u>518</u> 4,174 215 558 742 674 435	12 2 0 0 0 0 14 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.004 ^ 0.010 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.075 0.007 - 0.010	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice	181 555 513 394 64 518 4,174 215 558 742 674 435 744	12 2 0 0 0 0 14 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.004 ^ 0.010 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.075 0.007 - 0.010 0.010 ^	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741	12 2 0 0 0 0 14 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.004 ^ 0.010 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.075 0.007 - 0.010 0.010 ^ 0.010 ^	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges Pears	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533	12 2 0 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216	12 2 0 0 0 0 14 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.004 ^ 0.010 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.075 0.007 - 0.010 0.010 ^ 0.010 ^	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges Pears	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533	12 2 0 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges Pears Strawberries Watermelon	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182	12 2 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.010 - 0.010 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges Pears Strawberries	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216	12 2 0 0 0 14			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182 731	12 2 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.010 - 0.010 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^ 0.010 ^	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of 1	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin)	12 2 0 0 0 0 14			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of I Apples	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin) 528	12 2 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.010 - 0.010 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032 0.010 - 0.032	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of 1	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin)	12 2 0 0 0 0 14			0.0008 - 0.003 0.0008 - 0.003 0.003 - 0.040 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of I Apples	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin) 528 741	12 2 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.010 - 0.010 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032 0.010 - 0.032	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of I Apples Cauliflower	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin) 528	12 2 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032 0.010 - 0.032	0.1 0.1 NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of I Apples Cauliflower Lettuce TOTAL	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin) 528 741 527 1,796	12 2 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032 0.010 - 0.032	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of I Apples Cauliflower Lettuce TOTAL	181 555 513 394 64 <u>518</u> 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin) 528 741 <u>527</u> 1,796 of Resmethrin)	12 2 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032 0.010 - 0.032 0.002 - 0.008 0.002 - 0.008	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of I Apples Cauliflower Lettuce TOTAL	181 555 513 394 64 <u>518</u> 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin) 528 741 <u>527</u> 1,796 of Resmethrin) 528	12 2 0 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032 0.010 - 0.032 0.002 - 0.008 0.002 - 0.008	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of I Apples Cauliflower Lettuce TOTAL	181 555 513 394 64 518 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin) 528 741 <u>527</u> 1,796 of Resmethrin) 528 725	12 2 0 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032 0.010 - 0.032 0.002 - 0.008 0.002 - 0.008 0.002 - 0.008 0.002 - 0.008	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -
Green Beans Green Beans, Frozen Lettuce Pears Watermelon Winter Squash TOTAL Resmethrin (insecticide) Apples Cantaloupe Grapefruit Grapes Lettuce Orange Juice Orange Juice Oranges Pears Strawberries Watermelon Winter Squash TOTAL Resmethrin cis (isomer of I Apples Cauliflower Lettuce TOTAL	181 555 513 394 64 <u>518</u> 4,174 215 558 742 674 435 744 741 533 216 182 <u>731</u> 5,771 Resmethrin) 528 741 <u>527</u> 1,796 of Resmethrin) 528	12 2 0 0 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0008 - 0.003 0.0008 - 0.003 0.002 ^ 0.002 ^ 0.002 ^ 0.004 ^ 0.010 - 0.032 0.010 - 0.032 0.010 - 0.015 0.010 - 0.015 0.007 - 0.010 0.010 ^ 0.010 ^ 0.010 ^ 0.010 - 0.030 0.010 - 0.032 0.010 - 0.032 0.002 - 0.008 0.002 - 0.008	0.1 0.1 NT NT NT NT 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	0.1 - - -

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMRL
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Sethoxydim (herbicide)							
Cantaloupe	308	0			0.13 ^	4.0	-
Cauliflower	216	0			0.001 ^	5.0	-
Lettuce	132	0			0.001 ^	4.0	-
Watermelon	59	0			0.050 ^	4.0	-
Winter Squash	276	<u>0</u>			0.13 ^	4.0	-
TOTAL	991	Ō				-	
Cimerine (herbiside)							
Simazine (herbicide)	740	0			0.000 0.040	0.05	
Apples	743	0			0.002 - 0.010	0.25	-
Cantaloupe	396	0			0.018 ^	NT	-
Cauliflower	741	0			0.002 ^	NT	-
Grapefruit	214	0			0.010 ^	0.25	-
Grapes	739	0			0.010 - 0.011	0.25	-
Green Beans	127	0			0.023 ^	NT	-
Green Beans, Frozen	395	0			0.023 ^	NT	-
Lettuce	527	0			0.002 ^	NT	-
Orange Juice	744	0			0.010 ^	0.25	-
Oranges	741	1	0.1	0.017 ^	0.010 ^	0.25	-
Pears	555	0			0.010 - 0.011	0.25	-
Plums	573	0			0.036 ^	0.25	-
Plums, Dried (Prunes)	153	0			0.036 ^	0.25	-
Strawberries	216	0			0.010 ^	0.25	
	86					0.25 NT	-
Watermelon		0			0.010 - 0.011		-
Winter Squash	<u>518</u>	<u>0</u> 1			0.018 ^	NT	-
TOTAL	7,468	1					
Spinosad (insecticide) (spino	syns A and D)					
Watermelon	<u>59</u>				0.003 - 0.004	0.3	0.2
TOTAL	59	<u>0</u> 0					
Spinocod A (incontinida)							
Spinosad A (insecticide) Strawberries	429	26	6.1	0.035 - 0.13	0.021 ^	1.0	
			0.1	0.035 - 0.13			<u>-</u>
Watermelon	<u>64</u>	<u>0</u>			0.002 ^	0.3	0.2
TOTAL	493	26					
Spinosad D (insecticide)							
Strawberries	429	8	1.9	0.033 - 0.089	0.020 ^	1.0	-
Watermelon	64	0			0.002 ^	0.3	0.2
Watermelon TOTAL	<u>64</u> 493	<u>0</u> 8			0.002 ^	0.3	0.2
TOTAL		<u>0</u> 8			0.002 *	0.3	0.2
TOTAL Spirodiclofen (acaricide)	493						0.2
TOTAL Spirodiclofen (acaricide) Watermelon	493				0.002 ^	0.3 NT	0.2 -
TOTAL Spirodiclofen (acaricide)		0 8 0 0					0.2 -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL	493						0.2 -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide)	493 <u>64</u> 64	<u>0</u> 0			0.010 ^	NT	0.2 -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon	493 <u>64</u> <u>64</u>	<u>0</u> 0					0.2 - -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide)	493 <u>64</u> 64				0.010 ^	NT	0.2 - -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon TOTAL	493 64 64 64 64	<u>0</u> 0			0.010 ^	NT 0.1	0.2 - -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon TOTAL	493 <u>64</u> <u>64</u>	0 0 0 0			0.010 ^	NT	0.2 - -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon TOTAL Sulfentrazone (herbicide)	493 64 64 64 64	<u>0</u> 0			0.010 ^	NT 0.1	0.2 - -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon TOTAL Sulfentrazone (herbicide) Strawberries TOTAL	493 64 64 64 64 517	0 0 0 0			0.010 ^	NT 0.1	0.2 - -
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon TOTAL Sulfentrazone (herbicide) Strawberries TOTAL Sulprofos (insecticide)	493 64 64 64 517 517	0 0 0 0 0			0.010 ^ 0.002 ^ 0.020 ^	NT 0.1 0.60	0.2
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon TOTAL Sulfentrazone (herbicide) Strawberries TOTAL Sulprofos (insecticide) Apples	493 64 64 64 517 517 528	0 0 0 0 0 0 0			0.010 ^ 0.002 ^ 0.020 ^	NT 0.1 0.60 NT	0.2
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon TOTAL Sulfentrazone (herbicide) Strawberries TOTAL Sulprofos (insecticide) Apples Cauliflower	493 64 64 64 517 517 528 741	0 0 0 0 0 0 0			0.010 ^ 0.002 ^ 0.020 ^ 0.002 ^ 0.002 ^	NT 0.1 0.60 NT NT	0.2
TOTAL Spirodiclofen (acaricide) Watermelon TOTAL Spiromesifen (insecticide) Watermelon TOTAL Sulfentrazone (herbicide) Strawberries TOTAL Sulprofos (insecticide) Apples	493 64 64 64 517 517 528	0 0 0 0 0 0 0			0.010 ^ 0.002 ^ 0.020 ^	NT 0.1 0.60 NT	0.2

Tebuconazole (fungicide) Apples 513 0 0.002 ^ NT 0.5 Gauptes 739 48 6.5 0.033 - 0.30 0.002 ^ NT - Grapes 739 48 6.5 0.033 - 0.30 0.002 ^ NT - Green Beans 127 0 0.045 ^ NT - Green Beans, Frozen 395 0 0.045 ^ NT - Lettuce 512 0 0.002 ^ NT - Orange Juice 528 0 0.020 ^ NT - Oranges 525 0 0.023 ^ NT - Oranges 525 0 0.023 ^ NT - TOTAL 4,522 48 0 0.003 ^ 1.0 1 Cauliflower 588 0 0.003 ^ 1.0 1 - Green Beans 54 0 0.003 ^ NT - Green Beans, Frozen 160		Number of	Samples with	% of Samples		Range of	EPA Tolerance	Codex MRL/EMRL
Apples 513 0 0.002 / NT 0.003 / NT 0.000 / NT <th< th=""><th>Pesticide / Commodity</th><th>Samples</th><th>Detections</th><th>with Detections</th><th>Detected, ppm</th><th>LODs, ppm</th><th>Level, ppm</th><th>ppm</th></th<>	Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Apples 513 0 0.002 / NT 0.003 / NT 0.000 / NT <th< td=""><td>Tebuconazole (fungicide)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Tebuconazole (fungicide)							
Caliallover 725 0 0.002 ^ NT - Grapes 739 48 6.5 0.033 - 0.30 0.020 - 0.077 5.0 2 Green Beans 127 0 0.045 ^ NT - Centre Reams, Frozen 395 0 0.023 ^ NT - Carlero, Bans, Frozen 394 0 0.023 ^ NT - Orange, Juice 525 0 0.023 ^ NT - Orange, Juice 528 0 0.023 ^ NT - Orange, Juice 688 9 1.3 0.005 - 0.038 0.003 ^ 1 Cauliflower 588 0 0.003 ^ 5.0 - - Green Beans, Frozen 160 0 0.003 ^ NT - - Green Beans, Frozen 160 0 0.007 - 0.033 0.003 ^ 10.0 10 Caulifover 525 6 1.1 0.002 - 0.032 NT -		513	0			0.002 ^	NT	0.5
Grapes 739 48 6.5 0.033 - 0.30 0.022 - 0.077 5.0 2 Green Beans, Frozen 395 0 0.046 ^ NT - Creen Beans, Frozen 395 0 0.046 ^ NT - Oranges 525 0 0.020 ^ NT - Oranges 384 0 0.023 ^ NT - TOTAL 4,522 48 0.023 ^ NT - Totumosin Ed. 0.005 - 0.038 0.003 ^ 1.0 1 Caulifower 588 0 0.001 - 0.003 3.0 2 Green Beans, Fozen 160 0 0.003 ^ NT - Lettuce 700 7 1.0 0.005 ^ 0.003 ^ NT - TOTAL 3,558 2 0 0.005 ^ NT - Caulifower 525 0 0.005 ^ NT - Cottaluce 322 0								-
Graen Beans, Frazan 127 0 0.045 ^ NT Graen Beans, Frazan 395 0 0.045 ^ NT Lettuce 512 0 0.002 ^ NT Orange Julce 525 0 0.023 ^ NT Orange Julce 525 0 0.023 ^ NT Pears 394 0 0.023 ^ NT TOTAL 4,522 48 Caulifover 588 0 1.3 0.005 - 0.038 0.003 ^ 5.0 Graen Beans 54 0 0.003 ^ NT Graen Beans 54 0 0.003 ^ NT Graens Beans 54 0 0.005 ^ NT - - Graens Beans 525 0 0.005 ^ NT - - - Caulifover 525 0 0.005 ^ NT - - -			-	6 5	0.033 0.30			2
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Watermelon 64 0 0.023 ^ NT - ToTAL 4,522 48 0 0.003 ^ 1.0 1 Apples 698 9 1.3 0.005 - 0.038 0.003 ^ 1.0 1 Cauilflower 588 0 0.003 ^ 5.0 - 0.003 ^ NT - Cauilflower 588 0 0.003 ^ NT - 0.003 ^ NT - Lettuce 700 7 1.0 0.005 - 0.033 0.003 ^ 1.0 10 Pears 585 6 1.1 0.002 - 0.15 0.005 ^ NT - Cauiffower 382 0 0.005 ^ NT - - Cauiffower 382 0 0.0005 ^ NT - - Cauiffower 385 0 0.001 ^ NT - - Grapes 523 0 0.001 ^ NT - -								05
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Grapes 739 0 0.001 · 0.003 3.0 2 Green Beans, Frozen 160 0 0.003 ^ NT - Lettuce 700 7 1.0 0.003 ^ NT - Lettuce 700 7 1.0 0.003 ^ NT - Vatermelon 64 0 0.005 ^ NT - TOTAL 3.558 22 0 0.005 ^ NT - Cauliflower 525 0 0.005 ^ NT - - Cauliflower 523 0 0.001 ^ NT - - Green Beans 127 0 0.002 ^ NT - - Lettuce 527 0 0.001 ^ NT - - Lettuce 527 0 0.001 ^ NT - - TOTAL 2.937 0 0 0.01 ^ NT - TOTAL 2.937 0 0.006 ^ NT - Caulifower 528 0 0.006 ^ NT		588	0			0.003 ^	5.0	-
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Strawberries 216 0 0.020 ^ 0.1 - Watermelon 182 0 0.015 - 0.080 0.4 - Winter Squash 518 0 0.018 ^ NT - TOTAL 4,224 0 0 0.018 ^ NT - Terbufos (insecticide) - - - - - Apples 528 0 0.002 ^ NT - Cantaloupe 396 0 0.015 ^ NT - Grapes 523 0 0.002 ^ NT - Lettuce 527 0 0.005 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -			0					-
Strawberries 216 0 0.020 ^ 0.1 - Watermelon 182 0 0.015 - 0.080 0.4 - Winter Squash 518 0 0.018 ^ NT - TOTAL 4,224 0 0 0.018 ^ NT - Terbufos (insecticide) - - - - - Apples 528 0 0.002 ^ NT - Cantaloupe 396 0 0.015 ^ NT - Grapes 523 0 0.002 ^ NT - Lettuce 527 0 0.005 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -	Pears	394	0			0.015 ^	NT	-
Watermelon 182 0 0.015 - 0.080 0.4 - Winter Squash 518 0 0.018 ^ NT - TOTAL 4,224 0 0 0.018 ^ NT - Terbufos (insecticide) - - - - - - Apples 528 0 0.002 ^ NT - - Cantaloupe 396 0 0.015 ^ NT - Cauliflower 741 0 0.002 ^ NT - Grapes 523 0 0.005 ^ NT - Lettuce 527 0 0.002 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -	Strawberries	216				0.020 ^	0.1	-
Winter Squash TOTAL 518 4,224 0 0.018 ^ NT - TotAL 4,224 0 0 0.018 ^ NT - TotAL 4,224 0 0 0.018 ^ NT - Terbufos (insecticide)								-
TOTAL 4,224 0 Terbufos (insecticide)								_
Terbufos (insecticide) NT P Apples 528 0 0.002 ^ NT - Cantaloupe 396 0 0.015 ^ NT - Cauliflower 741 0 0.002 ^ NT - Grapes 523 0 0.005 ^ NT - Lettuce 527 0 0.002 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -			0			0.010 "	111	-
Apples 528 0 0.002 ^ NT - Cantaloupe 396 0 0.015 ^ NT - Cauliflower 741 0 0.002 ^ NT - Grapes 523 0 0.005 ^ NT - Lettuce 527 0 0.002 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -								
Cantaloupe 396 0 0.015 ^ NT - Cauliflower 741 0 0.002 ^ NT - Grapes 523 0 0.005 ^ NT - Lettuce 527 0 0.002 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -		E00	0			0.002.4	NT	
Cauliflower 741 0 0.002 ^ NT - Grapes 523 0 0.005 ^ NT - Lettuce 527 0 0.002 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -								-
Grapes 523 0 0.005 ^ NT - Lettuce 527 0 0.002 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -								-
Lettuce 527 0 0.002 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -	Cauliflower		0					-
Lettuce 527 0 0.002 ^ NT - Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -	Grapes	523	0			0.005 ^	NT	-
Pears 394 0 0.005 ^ NT - Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -	Lettuce	527				0.002 ^	NT	-
Watermelon 64 0 0.005 ^ NT - Winter Squash 518 0 0.015 ^ NT -								-
Winter Squash 518 0 0.015 ^ NT -								-
								-
IUIAL 3,691 0			<u>0</u>			0.015 ^	IN I	-
	TOTAL	3,691	0					

	Normale f	Samples	9/ of Commission	Dener of Malas	Denne -f	EPA Toloronoo	
Pesticide / Commodity	Number of Samples	with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Level, ppm	MRL/EMRL ppm
Terbufos sulfone (metaboli	te of Terbufos)						
Apples	528	0			0.002 ^	NT	-
Cantaloupe	396	0			0.018 ^	NT	-
Cauliflower	741	0			0.002 ^	NT	-
Grapes	523	0			0.005 ^	NT	_
Lettuce	525	0			0.002 ^	NT	_
Pears	394				0.002 ^	NT	
		0				NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.018 ^	IN I	-
TOTAL	3,627	0					
Tetrachlorvinphos (insectio							
Apples	528	0			0.003 ^	NT	-
Cantaloupe	396	0			0.008 ^	NT	-
Cauliflower	741	0			0.003 ^	NT	-
Lettuce	527	0			0.003 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.008 ^	NT	-
TOTAL	2,710	Ō					
Tetradifon (insecticide)							
Apples	743	0			0.006 - 0.032	5	_
Cantaloupe	558				0.006 - 0.032	1	
Cauliflower		0				NT	-
	726	0			0.032 - 0.13		-
Grapefruit	742	0			0.006 - 0.012	2	-
Grapes	739	0			0.004 - 0.012	5	-
Green Beans	127	0			0.008 ^	NT	-
Green Beans, Frozen	395	0			0.008 ^	NT	-
Lettuce	527	0			0.010 - 0.064	NT	-
Orange Juice	744	0			0.006 - 0.012	2	-
Oranges	741	0			0.006 - 0.012	2	-
Pears	555	0 0			0.004 - 0.012	5	-
Plums	573	0			0.011 ^	5	_
Plums, Dried (Prunes)	153	0			0.011 ^	5	
,						5	-
Strawberries	521	0			0.004 - 0.008		-
Watermelon	182	0			0.004 - 0.024	1	-
Winter Squash TOTAL	<u>731</u> 8,757	<u>0</u> 0			0.006 - 0.028	1	-
	0,101	Ū					
Tetrahydrophthalimide - TH	PI (metabolite c 743	of Captafol an 114	d Captan) 15.3	0.033 - 1.5	0.020 - 0.27	25	_
Apples			15.5	0.033 - 1.5			-
Cantaloupe	558	0			0.009 - 0.040	25	-
Cauliflower	741	0		0.007 6.55	0.020 - 0.13	2	
Grapes	739	75	10.1	0.067 - 0.68	0.040 - 0.075	50	-
Green Beans	7	7	100.0	0.067 - 0.53	0.040 ^	25	-
Lettuce	707	0			0.020 - 0.065	100	-
Pears	555	48	8.6	0.067 - 1.9	0.040 - 0.075	25	-
Strawberries	216	146	67.6	0.060 - 2.3	0.040 ^	25	-
Watermelon	123	0			0.040 - 0.075	25	-
Winter Squash	731	<u>9</u>	1.2	0.015 - 0.11	0.009 - 0.065	25	-
TOTAL	5,120	399					
Tetramethrin (insecticide)							
Grapes	523	0			0.015 ^	NT	_
Pears							-
	394	0			0.015 ^	NT	-
	<u>64</u>	<u>0</u> 0			0.015 ^	NT	-
Watermelon TOTAL	981	0					
Watermelon TOTAL	981						
Watermelon TOTAL Thiabendazole (fungicide) (981 parent of 5-hydr	oxythiabend		0 0002 - 7 0	0 0001 - 0 030	10	З
Watermelon TOTAL Thiabendazole (fungicide) (Apples	981 (parent of 5-hyd) 743	oxythiabend 654	88.0	0.0002 - 7.0	0.0001 - 0.030	10 15 0	3
Watermelon TOTAL Thiabendazole (fungicide) (Apples Cantaloupe	981 (parent of 5-hydr 743 558	roxythiabend 654 3	88.0 0.5	0.075 - 0.33	0.030 - 0.045	15.0	-
Watermelon TOTAL Thiabendazole (fungicide) (Apples Cantaloupe Cauliflower (V-14)	981 (parent of 5-hyde 743 558 741	roxythiabend 654 3 14	88.0 0.5 1.9	0.075 - 0.33 0.0002 - 0.001	0.030 - 0.045 0.0001 - 0.0005	15.0 NT	-
Watermelon TOTAL Thiabendazole (fungicide) (Apples Cantaloupe	981 (parent of 5-hydr 743 558	roxythiabend 654 3	88.0 0.5	0.075 - 0.33	0.030 - 0.045	15.0	-

	Number of	Samples with	% of Samples	Range of Values	Range of	EPA Tolerance	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Detected, ppm	LODs, ppm	Level, ppm	ppm
Lettuce (V-7)	527	7	1.3	0.0005 - 0.001	0.0005 ^	NT	-
Orange Juice	744	4	0.5	0.050 - 0.23	0.030 ^	10	10
Oranges	741	324	43.7	0.050 - 0.61	0.030 ^	10	10
0							
Pears	555	370	66.7	0.050 - 2.9	0.030 - 0.050	10	3
Strawberries	737	3	0.4	0.003 - 0.90	0.002 - 0.030	5.0	-
Watermelon	86	0			0.010 - 0.030	NT	-
Winter Squash	<u>731</u>	<u>4</u>	0.5	0.075 - 0.77	0.030 - 0.045	1	-
TOTAL	6,900	1,456					
Thiacloprid (insecticide)							
Apples	132	4	3.0	0.003 - 0.018	0.0004 ^	0.3	-
Cauliflower	216	0	0.0	0.000 0.010	0.0004 ^	NT	_
						NT	
Lettuce	<u>132</u>	<u>0</u>			0.0004 ^	INT	-
TOTAL	480	4					
Thiamethoxam (insecticide)	(also parent of	clothianidin))				
Apples	528	0			0.015 - 0.050	0.2	-
Cauliflower	741	0			0.015 - 0.060	NT	-
Lettuce (V-1)	527	1	0.2	0.025 ^	0.015 - 0.050	NT	-
Watermelon	182	<u>7</u>	3.8	0.002 - 0.004	0.001 - 0.050	0.20	-
TOTAL	1,978	8	0.0	0.002 0.004	0.001 0.000	0.20	
Thissony (hashisida)							
Thiazopyr (herbicide)		-			0.001.1	0.05	
Grapefruit	528	0			0.001 ^	0.05	-
Orange Juice	528	0			0.010 ^	0.05	-
Oranges	<u>525</u>	<u>0</u>			0.010 ^	0.05	-
TOTAL	1,581	ō					
Thisbanaarh (barbiaida)							
Thiobencarb (herbicide)	400				0.0000.0	NIT	
Apples	132	0			0.0006 ^	NT	-
Cauliflower	216	0			0.0006 ^	NT	-
Lettuce	348	0			0.0006 - 0.010	0.2	-
Orange Juice	528	0			0.010 ^	NT	-
Oranges	525	<u>0</u>			0.010 ^	NT	-
TOTAL	1,749	Ō					
Thisdisonh (incesticide)							
Thiodicarb (insecticide)	040	<u>^</u>			0.000 4	25	-
Lettuce	<u>216</u>	<u>0</u>			0.002 ^	35	5
TOTAL	216	0					
Tri-Allate (herbicide)							
Grapes	523	0			0.015 ^	NT	-
Pears	394	0			0.015 ^	NT	-
Watermelon	<u>64</u>				0.015 ^	NT	-
TOTAL	981	<u>0</u> 0			0.010		
Triadimefon (fungicide) Apples	713	0			0.0009 - 0.025	1.0	0.5
	558	0	0.2	0.038 ^			
Cantaloupe		1	0.2	0.030 ^	0.023 - 0.025	0.3	0.1
Cauliflower	696	0			0.0009 ^	NT	-
Grapes	739	1	0.1	0.073 ^	0.011 - 0.025	1.0	0.5
Green Beans	127	0			0.023 ^	NT	-
Green Beans, Frozen	395	0			0.023 ^	NT	-
Lettuce	483	0			0.0009 - 0.003	NT	-
Orange Juice	528	0			0.025 ^	NT	-
-							
Oranges	525	0			0.025 ^	NT	-
Pears	555	0			0.011 - 0.025	1.0	0.5
Strawberries	216	0			0.025 ^	NT	0.1
Watermelon	182	0			0.011 - 0.025	0.3	0.1
Winter Squash	731	<u>5</u>	0.7	0.038 ^	0.023 - 0.025	0.3	0.1

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMR
Pesticide / Commodity	Samples	Detections	with Detections	Delected, ppm	LODS, ppill	Level, ppill	ppm
Triadimenol (fungicide) (als	o a metabolite o 162		n)		0.015.0	0.3	2
Cantaloupe	-	0	5.0	0.005 0.00	0.015 ^		
Grapes	216	12	5.6	0.025 - 0.22	0.015 ^	1.0	2
Pears	161	0			0.015 ^	1.0	0.5
Watermelon	123	0			0.011 - 0.015	0.3	2
Winter Squash	<u>213</u>	<u>0</u>			0.015 ^	0.3	2
TOTAL	875	12					
1,2,4-Triazole (common met	tabolite of triazo	ole compound	is)				
Strawberries	499	2	0.4	0.065 ^	0.036 - 0.039	***	-
TOTAL	499	2					
Triazole acetic acid - TAA (o	common metabo	olite of triazol	e compounds)				
Strawberries	499		,		0.011 - 0.012	NT	-
TOTAL	499	<u>0</u> 0			0.011 0.012		
Triazala alanina TA (aamm	on motobolito d	of triazala aa	nnounda)				
Triazole alanine - TA (comm			• •	0.060 0.062	0.036 - 0.038	***	
Strawberries	<u>521</u>	<u>58</u>	11.1	0.060 - 0.063	0.030 - 0.038		-
TOTAL	521	58					
Trifloxystrobin (fungicide)	465	40		0.0000 0.000	0.000/	0 F C	~ -
Apples	132	13	9.8	0.0002 - 0.007	0.0001 ^	0.50	0.7
Cauliflower	216	0			0.0001 ^	NT	-
Grapefruit	528	0			0.0004 ^	0.3	-
Lettuce (V-1)	118	1	0.8	0.0002 ^	0.0001 ^	NT	-
Orange Juice	528	0			0.010 ^	0.3	-
Oranges	504	0			0.010 ^	0.3	_
Watermelon	182	<u>0</u>			0.001 - 0.005	0.5	_
TOTAL	2,208	<u>0</u> 14			0.001 - 0.005	0.5	
Triflumizole (fungicide)							
Apples	213	0			0.050 ^	0.5	_
		0					-
Cantaloupe	558	0			0.040 - 0.050	0.5	-
Grapes	739	0			0.020 - 0.050	2.5	-
Pears	555	0			0.020 - 0.050	0.5	-
Strawberries	216	3	1.4	0.083 ^	0.050 ^	2.0	-
Watermelon	123	0			0.003 - 0.050	0.5	-
Winter Squash	731	<u>0</u>			0.040 - 0.050	0.5	-
TOTAL	3,135	3					
Trifluralin (herbicide)							
Apples	528	0			0.0005 ^	NT	-
Cantaloupe	558	0			0.008 - 0.017	0.05	-
Cauliflower	741	0			0.0005 ^	0.05	-
Grapefruit	742	0			0.001 - 0.017	0.05	-
•	739				0.015 - 0.017	0.05	-
Grapes Grape Boons		0					-
Green Beans	181	0			0.015 - 0.017	0.05	-
Green Beans, Frozen	555	0			0.015 - 0.017	0.05	-
Lettuce	743	17	2.3	0.0008 - 0.005	0.0005 - 0.017	0.05	-
Orange Juice	744	0			0.017 ^	0.05	-
Oranges	741	0			0.017 ^	0.05	-
Pears	394	0			0.015 ^	NT	-
Plums	573	0			0.021 ^	0.05	-
Plums, Dried (Prunes)	153	0			0.021 ^	0.05	-
Watermelon	182	0			0.015 - 0.017	0.05	-
Winter Squash	<u>731</u>	<u>0</u>			0.008 - 0.017	0.05	-
TOTAL	<u>731</u> 8,305	<u>0</u> 17			0.000 - 0.017	0.00	-
Triforine (fungicide)							
		_			0.000.4	0.01	2
	500	<u>^</u>					
Apples	528	0			0.003 ^		2
	528 741 <u>527</u>	0 0 <u>0</u> 0			0.003 ^ 0.003 ^ 0.003 ^	NT NT	-

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm	Codex MRL/EMRL ppm
Vernolate (herbicide)							
Cantaloupe	308	0			0.016 ^	NT	-
Winter Squash	276	0			0.016 ^	NT	-
TOTAL	584	<u>0</u> 0					
Vinclozolin (fungicide)							
Apples	528	0			0.004 ^	NT	1
Cantaloupe	396	0			0.014 ^	NT	1
Cauliflower	741	0			0.004 ^	NT	1
Grapes	523	0			0.003 ^	NT	5
Green Beans	181	0			0.003 - 0.010	2.0	2
Green Beans, Frozen	555	263	47.4	0.004 - 0.40	0.003 - 0.010	2.0	2
Lettuce	743	4	0.5	0.006 - 0.017	0.004 - 0.010	10.0	5
Orange Juice	528	0			0.003 ^	NT	-
Oranges	525	0			0.003 ^	NT	-
Pears	394	0			0.003 ^	NT	1
Watermelon	64	0			0.003 ^	NT	-
Winter Squash	<u>518</u>	<u>0</u>			0.014 ^	NT	-
TOTAL	5,696	267					
Zoxamide (fungicide)							
Cantaloupe	44	0			0.020 ^	1.0	-
Watermelon	59	0			0.025 ^	1	-
Winter Squash	<u>43</u>				0.020 ^	1.0	-
TOTAL	146	<u>0</u> 0					

Many of the listed tolerances and MRLs are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions and to Codex for the complete listing of compounds in MRL expressions.

NOTES

- Only one distinct detected concentration or LOD value was reported for the pair.
- NT = No tolerance level was set for that pesticide/commodity pair.
- AL = Numbers shown are Action Levels established by FDA and Codex Extraneous Maximum Residue Levels (EMRLs) for some pesticides. Under FQPA, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.
- EX = Exempt from a tolerance when applied to growing crops (pre-harvest) in accordance with Good Agricultural Practices. The reader is advised to consult 40 CFR Part 180 for specific compounds. NOTE: Some commodity/compound pairs have post-harvest tolerances, but because PDP cannot ascertain when application occurred, the tolerance exemption is used.
- SU Safe use in spot and/or crack and crevice treatments.
- (V) = Residue was found where no tolerance was established by EPA. Following "V" are the number of occurrences.
- (X) = Residue was found which exceeds EPA tolerance or FDA action level. Following "X" are the number of occurrences.
- **= Previously reported as lambda cyhalothrin total, which included lambda cyhalothrin (a 1:1 mixture of the cis-(1R,3R),S-enantiomer and the cis-(1S,3S),R-enantiomer) as well as R157836 (a 1:1 mixture of the cis-(1S,3S),S-enantiomer and the cis-(1R,3R), R-enantiomer).
- *** = Residues of this compound were detected. This compound has been determined to be a common metabolite of the triazole class of chemicals. Therefore, the residues detected cannot be attributed to a single triazole compound.

Appendix C

Distribution of Residues by Pesticide in Soybeans

Appendix C shows residue detections for all soybean compounds tested, including range of values detected, range of Limits of Detection (LODs), and Environmental Protection Agency (EPA) and Codex Maximum Residue Limit/ Extraneous Maximum Residue Limit (MRL/EMRL) tolerance references for each pair.

In 2005, PDP analyzed 668 soybean samples. A total of 44 samples (22 percent) were reported with residue detections. All but one of the residue detections were much lower than the established tolerances.

See Appendix B for definition of ALs and MRLs.

MRLs/EMRLs shown in this appendix are from the Codex Alimentarius: *Proc. of Codex Committee on Pesticide Residues*, 38th Session, April 3-8, 2006, Fortaleza, Brazil. Only Codex MRLs (CXLs) are listed.

EPA tolerances as published in 40 CFR Part 180 are expressed in parts per million (ppm). Because soybean residues are expressed in parts per billion (ppb), EPA Tolerances and Codex MRLs have been multiplied by a factor of 1,000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.

EPA Samples % of Range of Codex Pest. Number of with Samples w/ Values Range of Tolerance MRL/EMRL, Pesticide Samples Detections Detects Detected, ppb Level, ppb* LODs, ppb ppb* Туре I 40 ^ Acephate 648 1,000 300 3.1 ^ Acetochlor Н 667 100 -Alachlor Н 667 2 0.3 2.0 - 5.0 1.2 ^ 200 -Aldicarb L 668 10 ^ 20 20 Aldicarb sulfone IM 638 3.0 ^ 20 20 10 ^ Aldicarb sulfoxide IM 668 20 20 Aldrin I 606 50 12.5 ^ 50 AL 1.5 ^ SU Bendiocarb I 640 -S 3.0 ^ Benoxacor 658 10 -Boscalid F 667 1.5 ^ 2,000 -Carbond . 669 201 F 000 200

APPENDIX C. DISTRIBUTION OF RESIDUES BY PESTICIDE IN SOYBEANS

Carbaryl	Ι	668				3.0 ^	5,000	200	
Carbendazim - MBC	F	668				1.5 ^	200	200	
Carbofuran	I	663				3.0 ^	200	-	
Carboxin	F	667				1.2 ^	200	-	
Chlorimuron ethyl	н	284				10 ^	50	-	
Chlorpyrifos	Ι	647	94	14.5	5.0 - 24	3.0 ^	300	100	
Clofencet	Р	622				30 ^	30,000	-	
Clomazone	н	667				3.0 ^	50	-	
Clothianidin	I	656				3.0 ^	NT	-	
Cyfluthrin	I	628				10 ^	50	-	
Cyhalothrin, epimer R157836	I	279				4.0 ^	10	-	
Cyhalothrin, Total (Cyhalothrin- L + R157836)	I	368				5.5 ^	10	-	
Cypermethrin	I	667				25 ^	50	50	
DDD p,p'	IM	667				1.5 ^	200 AL	-	
DDE p,p'	IM	522				1.9 ^	200 AL	-	
Deltamethrin (includes parent Tralomethrin)	I	667				15 ^	100	200	
Dieldrin	I	667				2.4 ^	50 AL	50	
Dimethenamid	н	667	9	1.3	2.0 - 9.0	1.0 ^	10	-	
Dimethoate	I	646				8.0 ^	50	-	
Disulfoton	I	667				6.0 ^	100	50	
Disulfoton sulfone	IM	647				30 ^	100	50	
Disulfoton sulfoxide	IM	657				3.6 ^	100	50	

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL, ppb*
Endrin	I	667				5.4 ^	50 AL	-
EPTC	н	599				3.0 ^	100	-
Esfenvalerate	I	667				10 ^	50	-
Ethalfluralin	Н	667				0.80 ^	50	-
Fenoxaprop ethyl	Н	667				1.5 ^	50	-
Fenpropathrin	I	667				4.2 ^	NT	-
Fluazifop butyl	Н	667				3.0 ^	1,000	-
Fludioxonil	F	667				8.0 ^	10	10
Flumetsulam	Н	662				10 ^	50	-
Fluridone	Н	647				1.0 ^	100	-
Hydroprene	R	667				21 ^	200	-
3-Hydroxycarbofuran	IM	668				3.0 ^	200	-
5-Hydroxythiabendazole	FM	615				3.0 ^	100	-
Imazaquin	Н	658				3.0 ^	50	-
Imidacloprid	I	668				3.0 ^	1,000	-
Indoxacarb	I	667				27 ^	800	-
Lactofen	Н	667				9.0 ^	10	-
Linuron	Н	614				3.0 ^	1,000	-
Malathion	I	667	35	5.2	9.7 - 73	5.8 ^	8,000	-
Malathion oxygen analog	IM	667				2.7 ^	NT	-
Metalaxyl	F	667				2.0 ^	1,000	50
Methamidophos	I	621				30 ^	1,000	100
Methomyl	I	663				3.0 ^	200	200
Methoxyfenozide	I	668	1	0.1	5.0 ^	3.0 ^	100	-
Metolachlor	Н	667				1.9 ^	200	-
Metribuzin	Н	626				6.5 ^	300	-
Myclobutanil	F	647				1.9 ^	50	-
Norflurazon	Н	667				15 ^	100	-
Norflurazon desmethyl	НМ	607				5.0 ^	100	-
Omethoate	IM	651				4.2 ^	50	-
Oxadixyl	F	667				3.0 ^	NT	-
Oxamyl	I	663				3.0 ^	200	-
Oxyfluorfen	H	667				2.0 ^	50	-
Parathion ethyl	 I	667				4.2 ^	100	

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL, ppb*
Parathion methyl	Ι	667				6.1 ^	100	-
Parathion methyl oxygen analog	IM	633				1.7 ^	NT	-
Parathion oxygen analog	IM	667				25 ^	NT	-
Pendimethalin	н	667				6.0 ^	NT	-
Permethrin Total	IM	667	5	0.7	15.5 ^	9.3 ^	50	50
Phorate	Ι	667				4.4 ^	100	50
Prallethrin	Ι	667				45 ^	1,000	-
Propetamphos	I	667				1.0 ^	100	-
Pyriproxyfen	I	667				32.3 ^	100	-
Quizalofop ethyl	н	667				1.9 ^	50	-
Resmethrin	I	667				2.3 ^	3,000	-
Spinosad A	I	638				3.0 ^	20	10
Sulfentrazone	н	647	1	0.2	25 ^	15 ^	50	-
Tetrahydrophthalimide (THPI)	FM	667				15 ^	2,000	-
Thiabendazole	F	643	1	0.2	16 ^	3.0 ^	100	-
Thifensulfuron methyl	Н	668				6.0 ^	100	-
Trifluralin (X-1)	н	667	2	0.3	3.0 - 78.1	2.0 ^	50	-

Many of the listed tolerances and MRLs are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions and to Codex for the complete listing of compounds in MRL expressions.

<u>NOTES</u>

There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.

- ^ = Only one distinct detected concentration or LOD value was reported for the pair.
- NT = No tolerance level was set for that pesticide/commodity pair.
- AL = Numbers shown are Action Levels established by FDA and Codex Extraneous Maximum Residue Levels (EMRLs) for some pesticides. Under FQPA, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.
- (X) = Residue was found which exceeds EPA tolerance. Following "X" are the number of occurrences.

Pesticide Types:

- F = Fungicide, FM = Fungicide Metabolite
- H = Herbicide, HM = Herbicide Metabolite
- I = Insecticide, IM = Insecticide Metabolite
- P = Plant Growth Regulator
- R = Insect Growth Regulator
- S = Herbicide Safener

^{* =} EPA Tolerances and Codex MRLs have been multiplied by a factor of 1000 as a basis for comparison using a single scale.

Appendix D

Distribution of Residues by Pesticide for the Soybean Rust/Aphid Special Survey

Appendix D shows residue detections for the soybean rust/aphid special survey, including range of values detected, range of Limits of Detection (LODs), and Environmental Protection Agency (EPA) and Codex Maximum Residue Limit/ Extraneous Maximum Residue Limit (MRL/EMRL) tolerance references for each pair.

In 2005, PDP analyzed 306 soybean samples during October through December for 14 identified compounds used to combat soybean rust and 2 insecticides used to control Chinese aphid in response to an EPA data need. Six samples were reported with residue detections. All detections were much lower than the established tolerances.

See Appendix B for definition of MRLs.

MRLs/EMRLs shown in this appendix are from the Codex Alimentarius: *Proc. of Codex Committee on Pesticide Residues*, 38th Session, April 3-8, 2006, Fortaleza, Brazil. Only Codex MRLs (CXLs) are listed.

EPA tolerances as published in 40 CFR Part 180 are expressed in parts per million (ppm). Because soybean residues are expressed in parts per billion (ppb), EPA Tolerances and Codex MRLs have been multiplied by a factor of 1,000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than than originally expressed by EPA and Codex.

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL, ppb*
Azoxystrobin	F	306				1.0 ^	NT	-
Boscalid	F	306				7.0 ^	2000	-
Cyproconazole	F	306				5.0 ^	NT	-
Difenoconazole	F	306				3.0 ^	NT	-
Epoxiconazole	F	306				4.0 ^	NT	-
Fenarimol	F	286				31 ^	NT	-
Fluquinconazole	F	306				14 ^	NT	-
Flutriafol	F	306				4.0 ^	NT	-
Myclobutanil	F	306				4.0 ^	50	-
Propiconazole	F	306				3.0 ^	NT	-
Pymetrozine	I	306				3.0 ^	NT	-
Pyraclostrobin	F	306	6	2	1.0 - 2.0	1.0 ^	40	-
Tebuconazole	F	286				4.0 ^	100	-
Tetraconazole	F	286				6.0 ^	NT	-
Thiamethoxam	I	306				1.0 ^	NT	-
Trifloxystrobin	F	306				1.0 ^	NT	-

APPENDIX D. DISTRIBUTION OF RESIDUES FOR SOYBEAN RUST/APHID SPECIAL SURVEY

NOTES

* = EPA Tolerances and Codex MRLs have been multiplied by a factor of 1000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.

^ = Only one distinct detected concentration or LOD value was reported for the pair.

NT = No tolerance level was set for that pesticide/commodity pair.

Pesticide Types:

F = Fungicide

I = Insecticide

Appendix E

Distribution of Residues by Pesticide in Wheat

Appendix E shows residue detections for all wheat compounds tested, including range of values detected, range of Limits of Detection (LODs), and Environmental Protection Agency (EPA) and Codex Maximum Residue Limit/Extraneous Maximum Residue Limit (MRL/EMRL) tolerance references for each pair.

In 2005, PDP analyzed 674 wheat samples. A total of 508 samples (75 percent) were reported with residue detections. All residue detections were much lower than the established tolerances.

See Appendix B for definition of ALs and MRLs.

MRLs/EMRLs shown in this appendix are from the Codex Alimentarius: *Proc. of Codex Committee on Pesticide Residues*, 38th Session, April 3-8, 2006, Fortaleza, Brazil. Only Codex MRLs (CXLs) are listed.

EPA tolerances as published in 40 CFR Part 180 are expressed in parts per million (ppm). Because wheat residues are expressed in parts per billion (ppb), EPA Tolerances and Codex MRLs have been multiplied by a factor of 1,000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than than originally expressed by EPA and Codex.

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
Acetochlor	н	654	2	0.3	5.0 ^	3.0 ^	20	-
Allethrin	I	674				3.0 ^	2,000	-
Atrazine	н	674				3.0 ^	250	-
Bromuconazole 46	FM	674				6.0 ^	NT	-
Bromuconazole 47	FM	674				4.0 ^	NT	-
Carbaryl	I	634				6.0 ^	3,000	2,000
Carbofuran	Ι	494				34 ^	100	-
Carboxin	F	674				3.0 ^	200	-
Carfentrazone ethyl	Н	674				3.0 ^	100.0	-
Chlorpyrifos	Ι	674	4	0.6	10 - 42	6.0 ^	500	500
Chlorpyrifos methyl	I	674	156	23.1	32 - 2610	19 ^	6,000	10,000
Clodinafop propargyl	н	654				3.0 ^	100	-
Cyanazine	Н	674	1	0.1	8.0 ^	5.0 ^	100	-
Cyfluthrin	I	654	19	2.9	38 - 669	23 ^	4,000	-
Cyhalothrin, Total (Cyhalothrin-L + R157836)	I	674	1	0.1	7.0 ^	4.0 ^	50	-
Cyproconazole	F	674				11 ^	NT	-
DDE p,p'	IM	674				3.0 ^	500 AL	100
Diazinon	I	674	1	0.1	5.0 ^	3.0 ^	50	-
Diazinon oxygen analog	IM	674				6.0 ^	NT	-
Diclofop methyl	Н	674				3.0 ^	100	-
Dieldrin	I	674				6.0 ^	20 AL	20
Difenoconazole	F	674				4.0 ^	100	-
Dimethoate	I	674				28 ^	40	50
Dimethomorph	F	644				19 ^	NT	-
Disulfoton	I	674				3.0 ^	300	200
Disulfoton sulfone	IM	674				13 ^	300	200
Endosulfan I	I	674				6.0 ^	100	200
Endosulfan II	IM	674				6.0 ^	100	200
Endosulfan sulfate	IM	674				3.0 ^	100	200
Epoxiconazole	F	674				4.0 ^	NT	-
Etridiazole	F	654				10 ^	50	-
Fenbuconazole	F	434				18 ^	NT	100
Fenitrothion	Ι	671				6.0 ^	NT	10,000

APPENDIX E. DISTRIBUTION OF RESIDUES BY PESTICIDE IN WHEAT

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
Fludioxonil	F	674				9.0 ^	20	50
Flufenacet	н	674				6.0 ^	1,000	-
Fluridone	н	674				3.0 ^	100	-
Heptachlor epoxide	IM	674				3.0 ^	NT	20
Hexaconazole	F	674				4.0 ^	NT	-
3-Hydroxycarbofuran	IM	569				6.0 ^	100	-
Imazalil	F	674				28 ^	50	10
Lindane (BHC gamma)	I	654	3	0.5	10 - 21	6.0 ^	100 AL	10
Linuron	н	674				25 ^	250	-
Malathion	I	674	451	66.9	5.0 - 2577	3.0 ^	8,000	8,000
Malathion oxygen analog	IM	674				5.0 ^	NT	-
Metalaxyl	F	674	1	0.1	25 ^	6.0 ^	200	50
Methoprene	R	634	4	0.6	22 - 279	13 ^	5,000	5,000
Methoxychlor p,p' (V-40)	IM	674	40	5.9	8.0 - 21	5.0 ^	NT	-
Metolachlor	Н	674				3.0 ^	100	-
Metribuzin	н	634				6.0 ^	750	-
Myclobutanil	F	674				13 ^	30	-
Omethoate	IM	654				3.0 ^	40	-
Parathion ethyl	I	671				5.0 ^	1,000	-
Parathion oxygen analog	IM	654				19 ^	NT	-
Phorate	I	434	6	1.4	13 ^	8.0 ^	50	50
Phorate sulfone	IM	674				5.0 ^	50	50
Piperonyl butoxide	I	674	17	2.5	10 - 42	6.0 ^	20,000	30,000
Pirimiphos methyl (V-22)	Ι	674	22	3.3	5.0 ^	3.0 ^	NT	7,000
Propanil	н	674	9	1.3	8.0 ^	5.0 ^	200	-
Propiconazole	F	654				11 ^	100	50
RH 9129 (fenbuconazole metabolite) (V-4)	FM	594	4	0.7	8.0 - 81	5.0 ^	NT	-
RH 9130 (fenbuconazole metabolite)	FM	674				4.0 ^	NT	-
ТСМТВ	F	674				25 ^	100	-
Tebuconazole	F	640				10 ^	50	50
Tetraconazole	F	674				4.0 ^	NT	-
Thiabendazole	F	514				13 ^	1,000	-
Thiamethoxam	I	654				3.0 ^	20	-

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL, ppb*
Tri Allate	н	654				6.0 ^	50	-
Triadimefon	F	674				3.0 ^	1,000	100
Triadimenol	F	669				6.0 ^	50	200
Trifluralin	Н	654	9	1.4	10 ^	6.0 ^	50	-
Triticonazole	F	674				4.0 ^	50	-

Many of the listed tolerances and MRLs are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions and to Codex for the complete listing of compounds in MRL expressions.

<u>NOTES</u>

- * = EPA Tolerances and Codex MRLs have been multiplied by a factor of 1000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.
- ^ = Only one distinct detected concentration or LOD value was reported for the pair.
- NT = No tolerance level was set for that pesticide/commodity pair.
- AL = Numbers shown are Action Levels established by FDA and Codex Extraneous Maximum Residue Levels (EMRLs) for some pesticides. Under FQPA, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.
- (V) = Residue was found where no tolerance was established by EPA. Following "V" are the number of occurrences.

Pesticide Types:

F = Fungicide, FM = Fungicide Metabolite

H = Herbicide

- I = Insecticide, IM = Insecticide Metabolite
- R = Insect Growth Regulator

Appendix F

Distribution of Residues by Pesticide in Milk

Appendix F shows residue detections for all milk compounds tested, including range of values detected, range of Limits of Detection (LODs), and Environmental Protection Agency (EPA) and Codex Maximum Residue Limit/Extraneous Maximum Residue Limit (MRL/EMRL) tolerance references for each pair.

In 2005, PDP analyzed 746 milk samples. A total of 738 samples (99 percent) were reported with residue detections. All residue detections were much lower than the established tolerances.

See Appendix B for definition of ALs and MRLs.

MRLs/EMRLs shown in this appendix are from the Codex Alimentarius: *Proc. of Codex Committee on Pesticide Residues*, 38th Session, April 3-8, 2006, Fortaleza, Brazil. Only Codex MRLs (CXLs) are listed.

EPA tolerances as published in 40 CFR Part 180 are expressed in parts per million (ppm). Because milk residues are expressed in parts per billion (ppb), EPA Tolerances and Codex MRLs have been multiplied by a factor of 1,000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
Acephate	Ι	746				0.090 ^	100	20
Alachlor	н	746				0.15 ^	20	-
Aldicarb	Ι	746				0.060 ^	NT	10
Aldicarb sulfone	IM	746				0.090 ^	NT	10
Aldicarb sulfoxide	IM	746				0.18 ^	NT	10
Amitraz	Ι	746				0.75 ^	30	10
Atrazine	н	746				0.18 ^	20	-
Bifenthrin	Ι	746	17	2.3	0.10 - 0.67	0.060 ^	100	50
Buprofezin	Ι	746				0.24 ^	10	-
Carbaryl	Ι	746	2	0.3	0.083 ^	0.050 ^	300	50
Carbofuran	I	746				0.090 ^	20	50
Chlorfenapyr	I	746				0.090 ^	10	-
Chlorpropham	Н	746				0.30 ^	50	-
Chlorpyrifos	I	746				0.17 ^	10	20
Chlorpyrifos methyl	I	746				0.11 ^	50	10
Chlorpyrifos methyl O-analog	IM	746				1.5 ^	50	-
Coumaphos	Ι	746				0.11 ^	500	-
Coumaphos oxygen analog	IM	746				0.40 ^	500	-
Cyfluthrin	Ι	746	6	0.8	1.0 ^	0.60 ^	1,000	10
Cyhalothrin, Total (Cyhalothrin-L + R157836 epimer)	I	746	155	20.8	0.25 - 1.2	0.15 ^	200	-
Cypermethrin	Ι	746				0.60 ^	100	50
Cyproconazole	F	746				0.21 ^	NT	-
DDE p,p'	IM	746	637	85.4	0.10 - 11	0.060 ^	1,250 AL	20
DEF (Tribufos)	Н	746				0.12 ^	2	-
Deltamethrin (includes parent Tralomethrin)	Ι	746				0.15 ^	20	50
Dichlorvos (DDVP)	Ι	746				0.050 ^	20	20
Dieldrin	I	746	173	23.2	0.13 ^	0.080 ^	300 AL	6
Difenoconazole	F	746				0.15 ^	10	-
Dimethoate	Ι	746	1	0.1	0.10 ^	0.060 ^	2	50
Diphenylamine (DPA)	F	746	683	91.6	0.10 - 6.3	0.060 ^	10	0.4
Endosulfan I	Ι	746				0.060 ^	500	4
Endosulfan II	IM	746				0.020 ^	500	4

APPENDIX F. DISTRIBUTION OF RESIDUES BY PESTICIDE IN MILK

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
Endosulfan sulfate	IM	746	115	15.4	0.050 - 3.0	0.030 ^	500	4
Epoxiconazole	F	746				0.21 ^	NT	-
Esfenvalerate+Fenvalerate Total	Ι	746				0.15 ^	300	100
Etridiazole	F	746				0.21 ^	50	-
Fenamiphos	Ι	746				0.17 ^	100	5
Fenamiphos sulfone	IM	746				0.70 ^	100	5
Fenamiphos sulfoxide	IM	746				0.84 ^	100	5
Fenarimol	F	746				0.24 ^	NT	-
Fenoxaprop ethyl	Н	746				0.090 ^	20	-
Fenpropathrin	Ι	746				0.36 ^	80	100
Fipronil	Ι	746				0.30 ^	50	20
Fluridone	Н	746				0.30 ^	50	-
Fluroxypyr 1-methylheptyl ester	Н	746				0.24 ^	300	-
Flutolanil	F	746				0.12 ^	50	50
Fluvalinate	Ι	746				0.45 ^	NT	-
Hexachlorobenzene (HCB)	FM	746				0.21 ^	NT	-
Hexaconazole	F	746				0.15 ^	NT	-
3-Hydroxycarbofuran	IM	746	45	6.0	0.083 - 0.66	0.050 ^	20	-
Iprodione	F	746				0.75 ^	500	-
Malathion	Ι	746				0.12 ^	500	-
Malathion oxygen analog	IM	746				0.13 ^	NT	-
Metalaxyl	F	746				0.090 ^	20	-
Methamidophos	Ι	746				0.080 ^	100	20
Metolachlor	Н	746				0.27 ^	20	-
Metribuzin	Н	746				0.60 ^	50	-
MGK-264	Ι	746				0.51 ^	300	-
Myclobutanil	F	746				0.24 ^	200	10
Norflurazon	Н	746				0.45 ^	100	-
Omethoate	IM	746				0.12 ^	2	-
Oxydemeton methyl	Ι	746				0.32 ^	10	-
Oxyfluorfen	Н	746				0.090 ^	50	-
Pentachloroaniline (PCA)	FM	746				0.27 ^	NT	-
Pentachlorobenzene (PCB)	FM	746				0.30 ^	NT	-
Pentachlorophenyl methyl ether	FM	746				0.090 ^	NT	-
Pentachlorophenyl methyl sulfide	FM	746				0.12 ^	NT	-

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL, ppb*
Permethrin Total	IM	746	21	2.8	1.0 - 4.1	0.60 ^	250	100
Profenofos	I	746				0.17 ^	10	10
Pronamide	н	746				0.15 ^	20	-
Propachlor	н	746				0.18 ^	20	-
Propanil	н	746				0.18 ^	50	-
Propargite	I	746				0.75 ^	80	100
Propham	н	746				0.75 ^	NT	-
Propiconazole	F	746				0.36 ^	50	10
Pyrazon	н	746				0.15 ^	10	-
Quintozene (PCNB)	F	746				0.24 ^	NT	-
Simazine	н	746				0.18 ^	20	-
Tefluthrin	I	746				0.27 ^	NT	-
Tetrachlorvinphos	I	746	2	0.3	0.27 ^	0.16 ^	500	-
Tetraconazole	F	746				0.33 ^	50.0	-
Tetradifon	I	746				0.080 ^	400 AL	-
Tetramethrin	I	746				0.75 ^	NT	-
Thiabendazole	F	746				0.33 ^	400	200
Triadimefon	F	746				0.27 ^	40	50
Triadimenol	F	746				0.21 ^	10	10
Triflumizole	F	746				0.18 ^	50	-
Vinclozolin	F	746				0.15 ^	50	50

Many of the listed tolerances and MRLs are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions and to Codex for the complete listing of compounds in MRL expressions.

NOTES

- * = EPA Tolerances and Codex MRLs have been multiplied by a factor of 1000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.
- ^ = Only one distinct detected concentration or LOD value was reported for the pair.
- NT = No tolerance level was set for that pesticide/commodity pair.
- AL = Numbers shown are Action Levels established by FDA and Codex Extraneous Maximum Residue Levels (EMRLs) for some pesticides. Under FQPA, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.

Pesticide Types:

- F = Fungicide, FM = Fungicide Metabolite
- H = Herbicide
- I = Insecticide, IM = Insecticide Metabolite

Appendix G

Distribution of Residues by Pesticide in Heavy Cream

Appendix G shows residue detections for all heavy cream compounds tested, including range of values detected, range of Limits of Detection (LODs), and Environmental Protection Agency (EPA) and Codex Maximum Residue Limit/ Extraneous Maximum Residue Limit (MRL/EMRL) tolerance references for each pair.

In 2005, PDP analyzed 369 heavy cream samples. A total of 366 samples (99 percent) were reported with residue detections. All residue detections were much lower than the established tolerances.

See Appendix B for definition of ALs and MRLs.

MRLs/EMRLs shown in this appendix are from the Codex Alimentarius: *Proc. of Codex Committee on Pesticide Residues*, 38th Session, April 3-8, 2006, Fortaleza, Brazil. Only Codex MRLs (CXLs) are listed.

EPA tolerances as published in 40 CFR Part 180 are expressed in parts per million (ppm). Because heavy cream residues are expressed in parts per billion (ppb), EPA Tolerances and Codex MRLs have been multiplied by a factor of 1,000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.

The information herein is only intended to be an initial reference. Readers are reminded that international regulations and MRLs may change and that it is important that information obtained from this table be verified with knowledgeable parties in the market of interest prior to sale or shipment of exports.

APPENDIX G. DISTRIBUTION OF RESIDUES BY PESTICIDE IN HEAVY CREAM

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
Acephate	I	369				0.90 ^	100	20
Alachlor	Н	369				1.5 ^	20	-
Aldicarb	Ι	369				0.60 ^	NT	10
Aldicarb sulfone	IM	369				0.90 ^	NT	10
Aldicarb sulfoxide	IM	369				1.8 ^	NT	10
Amitraz	Ι	369				7.5 ^	30	10
Atrazine	Н	369				1.8 ^	20	-
Bifenthrin	Ι	369	1	0.3	1.0 ^	0.60 ^	100	50
Buprofezin	Ι	369				2.4 ^	10	-
Carbaryl	Ι	369	2	0.5	0.80 - 3.6	0.50 ^	300	50
Carbofuran	Ι	369				0.90 ^	20	50
Chlorfenapyr	Ι	369				0.90 ^	10	-
Chlorpropham	Н	369				3.0 ^	50	-
Chlorpyrifos	Ι	369				1.7 ^	10	20
Chlorpyrifos methyl	Ι	369				0.11 ^	50	10
Chlorpyrifos methyl O-analog	IM	369				14.8 ^	50	-
Coumaphos	Ι	369				1.1 ^	500	-
Coumaphos oxygen analog	IM	369				4.0 ^	500	-
Cyfluthrin	Ι	369	1	0.3	10 ^	6.0 ^	1,000	10
Cyhalothrin, Total (Cyhalothrin-L + R157836 epimer)	Ι	369	85	23.0	2.5 ^	1.5 ^	200	-
Cypermethrin	Ι	369				6.0 ^	100	50
Cyproconazole	F	369				2.1 ^	NT	-
DDE p,p'	IM	369	320	86.7	1.0 - 37	0.60 ^	1,250 AL	20
DEF (Tribufos)	Н	369				1.2 ^	2	-
Deltamethrin (includes parent Tralomethrin)	Ι	369				1.5 ^	20	50
Dichlorvos (DDVP)	Ι	369				0.50 ^	20	20
Dieldrin	I	369	122	33.1	1.3 ^	0.80 ^	300 AL	6
Difenoconazole	F	369				1.5 ^	10	-
Dimethoate	Ι	369				0.60 ^	2	50
Diphenylamine (DPA)	F	369	305	82.7	1.0 - 6.2	0.60 ^	10	0.4
Endosulfan I	Ι	369	1	0.3	1.0 ^	0.60 ^	500	4
Endosulfan II	IM	369	1	0.3	4.6 ^	0.20 ^	500	4
Endosulfan sulfate	IM	369	56	15.2	0.50 - 192	0.30 ^	500	4

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
Epoxiconazole	F	369				2.1 ^	NT	-
Esfenvalerate+Fenvalerate Total	Ι	369				1.5 ^	300	100
Etridiazole	F	369				2.1 ^	50	-
Fenamiphos	Ι	369				1.7 ^	100	5
Fenamiphos sulfone	IM	369				7.0 ^	100	5
Fenamiphos sulfoxide	IM	369				8.4 ^	100	5
Fenarimol	F	369				2.4 ^	NT	-
Fenoxaprop ethyl	Н	369				0.90 ^	20	-
Fenpropathrin	Ι	369				3.6 ^	80	100
Fipronil	Ι	369				3.0 ^	50	20
Fluridone	Н	369				3.0 ^	50	-
Fluroxypyr 1-methylheptyl ester	Н	369				2.4 ^	300	-
Flutolanil	F	369				1.2 ^	50	50
Fluvalinate	Ι	369				4.5 ^	NT	-
Hexachlorobenzene (HCB)	FM	369				2.1 ^	NT	-
Hexaconazole	F	369				1.5 ^	NT	-
3-Hydroxycarbofuran	IM	369				0.50 ^	20	-
Iprodione	F	369				7.5 ^	500	-
Malathion	Ι	369				1.2 ^	500	-
Malathion oxygen analog	IM	369				1.3 ^	NT	-
Metalaxyl	F	369				0.90 ^	20	-
Methamidophos	Ι	369				0.80 ^	100	20
Metolachlor	Н	369				2.7 ^	20	-
Metribuzin	Н	369				6.0 ^	50	-
MGK-264	Ι	369				5.1 ^	300	-
Myclobutanil	F	369				2.4 ^	200	10
Norflurazon	Н	369				4.5 ^	100	-
Omethoate	IM	369				1.2 ^	2	-
Oxydemeton methyl	Ι	369				3.2 ^	10	-
Oxyfluorfen	Н	369				0.90 ^	50	-
Pentachloroaniline (PCA)	FM	369				2.7 ^	NT	-
Pentachlorobenzene (PCB)	FM	369				3.0 ^	NT	-
Pentachlorophenyl methyl ether	FM	369				0.90 ^	NT	-
Pentachlorophenyl methyl sulfide	FM	369				1.2 ^	NT	-
Permethrin Total	IM	369	7	1.9	10 - 60.1	6.0 ^	250	100

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL, ppb*
Profenofos	I	369				1.7 ^	10	10
Pronamide	Н	369				1.5 ^	20	-
Propachlor	Н	369				1.8 ^	20	-
Propanil	Н	369				1.8 ^	50	-
Propargite	I	369				7.5 ^	80	100
Propham	Н	369				7.5 ^	NT	-
Propiconazole	F	369				3.6 ^	50	10
Pyrazon	Н	369				1.5 ^	10	-
Quintozene (PCNB)	F	369				2.4 ^	NT	-
Simazine	Н	369				1.8 ^	20	-
Tefluthrin	I	369				2.7 ^	NT	-
Tetrachlorvinphos	I	369				1.6 ^	500	-
Tetraconazole	F	369				3.3 ^	50.0	-
Tetradifon	I	369				0.80 ^	400 AL	-
Tetramethrin	I	369				7.5 ^	NT	-
Thiabendazole	F	369				3.3 ^	400	200
Triadimefon	F	369				2.7 ^	40	50
Triadimenol	F	369				2.1 ^	10	10
Triflumizole	F	369				1.8 ^	50	-
Vinclozolin	F	369				1.5 ^	50	50

Many of the listed tolerances and MRLs are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions and to Codex for the complete listing of compounds in MRL expressions.

NOTES

- * = EPA Tolerances and Codex MRLs have been multiplied by a factor of 1000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.
- ^ = Only one distinct detected concentration or LOD value was reported for the pair.
- NT = No tolerance level was set for that pesticide/commodity pair.
- AL = Numbers shown are Action Levels established by FDA and Codex Extraneous Maximum Residue Levels (EMRLs) for some pesticides. Under FQPA, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.

Pesticide Types:

F = Fungicide, FM = Fungicide Metabolite

H = Herbicide

I = Insecticide, IM = Insecticide Metabolite

Appendix H

Distribution of Residues by Pesticide in Pork

Appendix F shows residue detections for all pork compounds tested, including range of values detected, range of Limits of Detection (LODs), and Environmental Protection Agency (EPA) and Codex Maximum Residue Limit/Extraneous Maximum Residue Limit (MRL/EMRL) tolerance references for each pair.

In 2005, PDP analyzed pork tissue samples which included 352 adipose samples and 352 muscle samples. A total of 40 adipose samples (11 percent) and 18 muscle samples (5 percent) were reported with residue detections. Two of the adipose samples contained residues that exceeded the established EPA tolerance.

See Appendix B for definition of ALs and MRLs.

MRLs/EMRLs shown in this appendix are from the Codex Alimentarius: *Proc. of Codex Committee on Pesticide Residues*, 38th Session, April 3-8, 2006, Fortaleza, Brazil. Only Codex MRLs (CXLs) are listed.

EPA tolerances as published in 40 CFR Part 180 are expressed in parts per million (ppm). Because pork residues are expressed in parts per billion (ppb), EPA Tolerances and Codex MRLs have been multiplied by a factor of 1,000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.

The information herein is only intended to be an initial reference. Readers are reminded that international regulations and MRLs may change and that it is important that information obtained from this table be verified with knowledgeable parties in the market of interest prior to sale or shipment of exports.

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRI ppb*
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Campico	Dotootiono	2010010	Dottottod, ppp	2020, pp5	20101, ppb	666
Acephate	I	050				4.0.4	400	
Pork, Adipose		352				1.2 ^	100	-
Pork, Muscle		352				0.60 ^	100	50
Acetamiprid	I							
Pork, Adipose		352				9.0 ^	100	-
Pork, Muscle		352				6.9 ^	100	-
Alachlor	Н							
Pork, Adipose		352				3.6 ^	20	-
Pork, Muscle		352				1.5 ^	20	-
Aldicarb	I							
Pork, Adipose		352				0.42 ^	NT	-
Pork, Muscle		352				0.42	NT	10
		002				0.21	141	10
Aldicarb sulfone	IM	050				0.4.5	N 1 	
Pork, Adipose		352				2.4 ^	NT	-
Pork, Muscle		352				1.2 ^	NT	10
Aldicarb sulfoxide	IM							
Pork, Adipose		352				13.5 ^	NT	-
Pork, Muscle		352				6.8 ^	NT	10
Aldrin	I							
Pork, Adipose		352				7.5 ^	300 AL	200
Atrazine	н							
Pork, Adipose		352				0.60 ^	NT	-
Pork, Muscle		352				0.30 ^	NT	-
Azoxystrobin	F							
Pork, Adipose	•	352				3.0 ^	10.0	-
Pork, Muscle		352				3.0 ^	10	-
Denever	S							
Benoxacor Pork, Adipose	3	352				0.60 ^	10	
Pork, Muscle		352				0.30 ^	10	-
		002				0.00	10	
BHC alpha	I							
Pork, Adipose		352				1.2 ^	300 AL	-
Bifenazate	А							
Pork, Adipose		352				6.0 ^	NT	100
Pork, Muscle		352				2.4 ^	20	-
Bifenthrin	I							
Pork, Adipose		352				1.5 ^	1,000	-
Pork, Muscle		352				0.90 ^	500	-
Boscalid	F							
Pork, Adipose	Γ	352				0.90 ^	100	_
		00Z				0.00	100	-

APPENDIX H. DISTRIBUTION OF RESIDUES BY PESTICIDE IN PORK

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
Buprofezin								
Pork, Adipose	·	352				6.0 ^	50	-
Pork, Muscle		352				1.8 ^	50	-
Captan	F							
Pork, Adipose		352				18 ^	50	-
Pork, Muscle		352				30 ^	50	-
Carbaryl	I							
Pork, Adipose		352	7	2.0	1.0 - 98.6	0.60 ^	100	-
Pork, Muscle		352	10	2.8	0.50 - 6.6	0.30 ^	100	50
Carbendazim (MBC)	F							
Pork, Adipose		352				0.60 ^	100	-
Pork, Muscle		352				0.30 ^	100	-
Carbofuran	I							
Pork, Adipose		352				0.30 ^	NT	50
Pork, Muscle		352				0.15 ^	NT	50
Carboxin	F							
Pork, Adipose		352				7.5 ^	100	-
Pork, Muscle		352				1.5 ^	100	-
Chlordane cis	I							
Pork, Adipose		352				0.90 ^	300 AL	50
Chlordane trans	I							
Pork, Adipose		352				0.90 ^	300 AL	50
Chloroneb	F							
Pork, Adipose		352				3.6 ^	200	-
Pork, Muscle		352				1.8 ^	200	-
Chlorothalonil	F							
Pork, Adipose		352	1	0.3	7.5 ^	4.5 ^	100	-
Pork, Muscle		352				1.5 ^	30	-
Chlorpropham	н							
Pork, Adipose		352				1.2 ^	500	-
Pork, Muscle		352				0.60 ^	500	-
Chlorpyrifos	I							
Pork, Adipose		352	1	0.3	2.5 ^	1.5 ^	200	20
Pork, Muscle		352				0.75 ^	50	-
Chlorpyrifos methyl	I							
Pork, Adipose		352				0.90 ^	500	-
Pork, Muscle		352				0.45 ^	500	-
Clethodim	Н							
Pork, Muscle		352				1.4 ^	200	200
Clofentezine	I							
Pork, Adipose		352				0.90 ^	50	-
Pork, Muscle		352				0.45 ^	50	-

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
	.,pe	1			····, FF~	-7 FF	- /	11-
Coumaphos Pork, Adipose	I	352				1.2 ^	1,000	
Pork, Muscle		352 352				0.60 ^	1,000	-
FUR, MUSCIE		352				0.00 /	1,000	-
Coumaphos oxygen analog	IM							
Pork, Adipose		352				4.2 ^	1,000	-
Pork, Muscle		352				2.1 ^	1,000	-
Cyfluthrin	Т							
Pork, Adipose		352				4.8 ^	10,000	-
Pork, Muscle		352				2.4 ^	400	-
Cyhalothrin, Lambda	Т							
Pork, Adipose		352				2.4 ^	3,000	-
Pork, Muscle		352				0.90 ^	200	-
		002				0.00	200	-
Cypermethrin	I					·		
Pork, Adipose		352				6.0 ^	1,000	200
Pork, Muscle		352				3.0 ^	200	-
DDD p,p'	IM							
Pork, Adipose		352				1.2 ^	5,000 AL	5,000
DDE p,p'	IM							
Pork, Adipose		352	25	7.1	1.5 - 3.8	0.90 ^	5,000 AL	5,000
-		001	_0			0.00	0,0007.2	0,000
DDT p,p'	I							
Pork, Adipose		352				3.0 ^	5,000 AL	5,000
Deltamethrin (includes parent								
Tralomethrin)	Ι							
Pork, Adipose		352				9.0 ^	50	500
Pork, Muscle		352				4.5 ^	50	-
Dichlorvos (DDVP)	Т							
Pork, Adipose	-	352				0.90 ^	100	-
Pork, Muscle		352				0.45 ^	100	50
		-				-		
Dieldrin	Ι	050				0.0.4	200 41	000
Pork, Adipose		352				3.0 ^	300 AL	200
Difenoconazole	F							
Pork, Adipose		352				4.8 ^	50	-
Pork, Muscle		352				2.4 ^	50	-
Diflubenzuron	Т							
Pork, Adipose		352				0.60 ^	50	100
Pork, Muscle		352				0.30 ^	50	-
Diflufenzopyr	Н	0=0		~ ~		6 6 i	0.00	
Pork, Adipose		352	1	0.3	57 ^	3.0 ^	300	-
Dimethoate	Ι							
Pork, Adipose		352				0.90 ^	NT	50
FUIK, AUIPUSE						0.00		

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
		Campico	Deteotionio	Deleoid	Deteoled, ppb	2000, ppb	Level, ppb	990
Diphenamid	Н							
Pork, Adipose		352				1.2 ^	NT	-
Pork, Muscle		352				0.60 ^	NT	-
2,6-DIPN	Р							
Pork, Muscle		352				0.60 ^	1,350	-
Endosulfan I	Ι							
Pork, Adipose		352				10.5 ^	200	100
Pork, Muscle		352				4.5 ^	200	-
Endosulfan II	IM							
Pork, Adipose		352				15 ^	200	100
Pork, Muscle						4.5 ^		100
POIK, Muscle		352				4.5 ^	200	-
Endosulfan sulfate	IM							
Pork, Adipose		352				3.6 ^	200	100
Pork, Muscle		352				1.5 ^	200	-
Esfenvalerate+Fenvalerate Total								
Pork, Adipose	1	352				3.0 ^	1,500	1,000
-								1,000
Pork, Muscle		352				1.5 ^	1,500	-
Ethalfluralin	Н							
Pork, Adipose		352				0.90 ^	NT	-
Pork, Muscle		352				0.60 ^	NT	-
Ethion	I							
Pork, Adipose		352				1.2 ^	200	-
Pork, Muscle		352				0.60 ^	200	-
Ethofumesate	Н							
Pork, Adipose		352				9.0 ^	50	-
Pork, Muscle		352				0.90 ^	50	-
Etridiazole	F							
Pork, Adipose		352				1.5 ^	100.0	-
Pork, Muscle		352				0.90 ^	100.0	-
Fenamiphos	1							
Pork, Adipose	•	352				1.8 ^	50	-
Pork, Muscle		352				0.90 ^	50	10
	IN <i>1</i>	-				-		-
Fenamiphos sulfone	IM	352				6.0 ^	50	
Pork, Adipose							50	-
Pork, Muscle		352				3.0 ^	50	10
Fenamiphos sulfoxide	IM							
Pork, Adipose		352				6.0 ^	50	-
Fenarimol	F							
Pork, Adipose		352				1.2 ^	NT	-
Pork, Muscle		352				0.90 ^	NT	-
Fenbuconazole	F							
Pork, Adipose		352				1.8 ^	10	-
Pork, Muscle		352				1.2 ^	10	_
		552				1.2 **	10	-

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
Fenoxaprop ethyl	H							••
Pork, Adipose		352				1.2 ^	50	-
Pork, Muscle		352				0.90 ^	50	-
Fenpropathrin	I							
Pork, Adipose		352				3.0 ^	1,000	-
Pork, Muscle		352				0.90 ^	100	-
Fenthion	I							
Pork, Adipose		352				2.4 ^	NT	-
Pork, Muscle		352				1.2 ^	NT	-
Fenthion sulfone	IM							
Pork, Adipose		352				6.0 ^	NT	-
Pork, Muscle		352				3.0 ^	NT	-
Fipronil	I							
Pork, Adipose		352				2.1 ^	40	-
Pork, Muscle		352				0.60 ^	10	-
Flufenacet	Н							
Pork, Adipose		352				15 ^	50	-
Pork, Muscle		352				4.5 ^	50	-
Fluridone	Н							
Pork, Adipose		352				0.90 ^	50	-
Pork, Muscle		352				0.90 ^	50	-
Fluroxypyr 1-methylheptyl								
ester	Н							
Pork, Adipose		352				3.6 ^	100	-
Pork, Muscle		352				0.90 ^	100	-
Flutolanil	F							
Pork, Adipose		352				4.5 ^	100	-
Pork, Muscle		352				0.30 ^	50	50
Fluvalinate	I							
Pork, Adipose		352				3.0 ^	NT	-
Pork, Muscle		352				1.5 ^	NT	-
Heptachlor	I							
Pork, Adipose		352				0.90 ^	200 AL	200
Heptachlor epoxide	IM							
Pork, Adipose		352				6.0 ^	200 AL	200
Hexazinone	н							
Pork, Adipose		352				6.0 ^	100	-
Pork, Muscle		352				2.4 ^	100	-
Hexythiazox	I							
Pork, Adipose		352				10.5 ^	20	-
Hydroprene	R							
Pork, Adipose		352				4.5 ^	200	-
Pork, Muscle		352				1.5 ^	200	-

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
3-Hydroxycarbofuran	IM	·						
Pork, Adipose	1111	352				1.2 ^	NT	_
Pork, Muscle		352				0.60 ^	NT	-
POIK, Muscle		302				0.60 ^	INT	-
Imazalil	F							
Pork, Adipose		352				3.0 ^	10	-
Pork, Muscle		352				1.5 ^	10	-
Imidacloprid	I							
-	1	352				3.0 ^	300	
Pork, Adipose								-
Pork, Muscle		352				1.5 ^	300	20
Indoxacarb	I							
Pork, Adipose		352				0.30 ^	1,500	-
Pork, Muscle		352				0.15 ^	100	-
langeliene	-							
Iprodione	F	250					500	
Pork, Adipose		352				5.4 ^	500	-
Pork, Muscle		352				5.4 ^	500	-
Isofenphos	I							
Pork, Adipose		352				2.4 ^	NT	-
Pork, Muscle		352				1.2 ^	NT	-
Isoxaflutole	Н							
Pork, Adipose		352				4.5 ^	200	-
Pork, Muscle		352				1.8 ^	200	-
Lindane (BHC gamma)	I							
Pork, Adipose		352				1.8 ^	4,000	100
-								
Linuron	Н	250				1 5 4	1 000	
Pork, Adipose		352				1.5 ^	1,000	-
Pork, Muscle		352				0.75 ^	1,000	-
Malathion	I							
Pork, Adipose		352				1.2 ^	4,000	-
Pork, Muscle		352				0.60 ^	4,000	-
Malathion oxygen analog	IM	250				100	NIT	
Pork, Adipose		352				1.8 ^	NT	-
Pork, Muscle		352				0.90 ^	NT	-
Metalaxyl	F							
Pork, Adipose		352				2.7 ^	400	-
Pork, Muscle		352				1.2 ^	50	-
Methamidophos	I	050				4.0.4	400	
Pork, Adipose		352				1.2 ^	100	-
Pork, Muscle		352				0.60 ^	100	10
Methidathion	I							
Pork, Adipose		352				1.8 ^	NT	-
Pork, Muscle		352				0.90 ^	NT	-
	5							
Methoprene	R	250					4 000	000
Pork, Adipose		352				10.5 ^	1,000	200
Pork, Muscle		352				5.4 ^	100	-

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
	IM							
Methoxychlor p,p' Pork, Adipose	IIVI	352				1.5 ^	NT	-
Methoxyfenozide	I							
Pork, Adipose		352				0.30 ^	100	50
Pork, Muscle		352				0.15 ^	20	-
Metolachlor	Н							
Pork, Adipose		352				10.5 ^	NT	-
Pork, Muscle		352				0.90 ^	NT	-
Metribuzin	Н							
Pork, Adipose		352				12 ^	700	-
Pork, Muscle		352				4.5 ^	700	-
MGK-264	I							
Pork, Adipose	•	352	6	1.7	10 - 63.9	6.0 ^	300	-
MGK-326 (dipropyl								
isocinchomeronate)	I							
Pork, Adipose	•	352				1.8 ^	100	-
Pork, Muscle		352				0.90 ^	100	-
Mirex	Т							
Pork, Muscle	I	352				0.90 ^	100 AL	_
		002				0.30		_
Myclobutanil	F							
Pork, Muscle		352				1.8 ^	100	-
1-Naphthol	IM							
Pork, Adipose (X-1)		352	3	0.9	5.0 - 188	3.0 ^	100	-
Pork, Muscle		352	1	0.3	2.5 ^	1.5 ^	100	-
Nitrapyrin	Ν							
Pork, Adipose		352				1.5 ^	50	-
Pork, Muscle		352				0.90 ^	50	-
Norflurazon	н							
Pork, Adipose		352				0.60 ^	100	-
Pork, Muscle		352				0.30 ^	100	-
Omethoate	IM							
Pork, Adipose		352				1.5 ^	NT	-
Pork, Muscle		352				0.75 ^	NT	-
Oxadiazon	н							
Pork, Adipose		352				1.5 ^	NT	-
Pork, Muscle		352				0.60 ^	NT	-
Oxydemeton methyl	Т							
Pork, Adipose	I	352				6.0 ^	10	-
-	18.4							
Oxydemeton methyl sulfone Pork, Adipose	IM	352				15 ^	10	_
Pork, Adipose Pork, Muscle		352 352				7.5 ^	10	-
		55Z				1.5 *	10	-

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRI ppb*
Oxyfluorfen	H				, pp -	,	,	- FF -
Pork, Adipose		352				0.90 ^	50	_
-								-
Pork, Muscle		352				0.60 ^	50	-
Oxythioquinox	I							
Pork, Muscle		352				1.8 ^	NT	-
Permethrin Total	IM							
Pork, Adipose		352				3.0 ^	3,000	1,000
Pork, Muscle		352				3.0 ^	250	-
Phorate	I.							
Pork, Adipose		352				1.2 ^	NT	-
Pork, Muscle		352				0.60 ^	NT	50
		552				0.00		50
Phosalone	I	0.55						
Pork, Adipose		352				1.2 ^	NT	-
Pork, Muscle		352				0.60 ^	NT	-
Phosmet	I							
Pork, Adipose		352				3.0 ^	200	-
Pork, Muscle		352				1.5 ^	200	-
Piperonyl butoxide	I.							
Pork, Adipose (X-1)		352	6	1.7	10 - 179	6.0 ^	100	2,000
Pork, Muscle		352	9	2.6	7.5 - 53.5	4.5 ^	100	-
Pirimiphos methyl	I							
Pork, Adipose		352				0.90 ^	200	-
Pork, Muscle		352				0.45 ^	NT	10
		002				0.40		10
Prallethrin	I							
Pork, Adipose		352				9.0 ^	1,000	-
Pork, Muscle		352				5.4 ^	1,000	-
Profenofos	I							
Pork, Adipose		352				1.8 ^	NT	-
Pork, Muscle		352				0.90 ^	NT	50
Pronamide	н							
Pork, Adipose		352				0.90 ^	20	-
Pork, Muscle		352				0.30 ^	20	-
	ш							
Propachlor Dork Adipose	Н	250				7 5 ^	20	
Pork, Adipose		352				7.5 ^	20	-
Propachlor oxanilic acid	HM							
Pork, Muscle		352				3.6 ^	20	-
Propanil	Н							
Pork, Adipose		352				3.6 ^	100	-
Pork, Muscle		352				1.2 ^	100	-
	ı							
Propargite Pork, Adipose	I	352				7.2 ^	100	100
-								100
Pork, Muscle		352				3.6 ^	100	-

	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL ppb*
		Campico	Deteotionio	Deletito	Deletica, ppb	2000, pp0		ppp
Propetamphos	I	050				4.0.4	400	
Pork, Adipose		352				1.2 ^	100	-
Pork, Muscle		352				0.60 ^	100	-
Propham	Н							
Pork, Adipose		352				10.5 ^	NT	-
Propiconazole	F							
Pork, Adipose		352				3.0 ^	100	-
Pork, Muscle		352				1.5 ^	100	50
Pyrethrins	Т							
Pork, Adipose		352				90 ^	100	-
Pork, Muscle		352				45 ^	100	-
Pyridaben	Т							
Pork, Adipose		352				1.8 ^	50	_
Pork, Muscle		352				1.8 ^	50 50	-
		002				1.0	00	
Pyriproxyfen	I						400	
Pork, Adipose		352				3.6 ^	100	-
Pork, Muscle		352				1.2 ^	100	-
Resmethrin	Т							
Pork, Adipose		352				9.0 ^	3,000	-
Pork, Muscle		352				1.5 ^	3,000	-
Sethoxydim	н							
Pork, Muscle		352				0.30 ^	200	-
Simazine	Н							
Pork, Adipose		352				3.9 ^	20	-
Pork, Muscle		352				2.0 ^	20	-
Sulprofos	н							
Pork, Adipose		352				1.8 ^	NT	_
Pork, Muscle		352				0.90 ^	NT	_
		552				0.30		
Tebufenozide	I	050				0.00.4	400	50
Pork, Adipose		352				0.30 ^	100	50
Pork, Muscle		352				0.15 ^	80	-
Terbacil	Н							
Pork, Adipose		352				2.1 ^	NT	-
Pork, Muscle		352				1.5 ^	NT	-
Tetrachlorvinphos	Т							
Pork, Adipose		352				2.4 ^	1,500	-
Tetrahydrophthalimide (THPI)	FM							
Pork, Adipose		352				12 ^	50	-
Pork, Muscle		352				6.0 ^	50	-
Thiabendazole	F							
	•							
Pork, Adipose		352				45 ^	100	-

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppb	Range of LODs, ppb	EPA Tolerance Level, ppb*	Codex MRL/EMRL, ppb*
Thiamethoxam	I							
Pork, Muscle		352				1.2 ^	20	-
Thiobencarb	Н							
Pork, Adipose		352				6.0 ^	200	-
Pork, Muscle		352				0.60 ^	200	-
Triadimefon	F							
Pork, Adipose		352				3.0 ^	40	-
Pork, Muscle		352				1.5 ^	40	50
Triadimenol	F							
Pork, Adipose		352				3.6 ^	100	-
Pork, Muscle		352				2.4 ^	100	50
Trifloxystrobin	F							
Pork, Adipose		352				6.0 ^	50	50
Pork, Muscle		352				0.90 ^	50	-
Triflumizole	F							
Pork, Adipose		352				2.1 ^	500	-
Pork, Muscle		352				0.90 ^	50	-
Vinclozolin	F							
Pork, Adipose		352				1.2 ^	50	-
Pork, Muscle		352				0.30 ^	50	-

Many of the listed tolerances and MRLs are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions and to Codex for the complete listing of compounds in MRL expressions.

<u>NOTES</u>

* = EPA Tolerances and Codex MRLs have been multiplied by a factor of 1000 as a basis for comparison using a single scale.

There is no intention to imply any more exactness in the value than that originally expressed by EPA and Codex.

 $^{\wedge}$ = Only one distinct detected concentration or LOD value was reported for the pair.

NT = No tolerance level was set for that pesticide/commodity pair.

AL = Numbers shown are Action Levels established by FDA and Codex Extraneous Maximum Residue Levels (EMRLs) for some pesticides. Under FQPA, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA.
 In the interim, action levels are used.

(X) = Residue was found which exceeds EPA tolerance. Following "X" are the number of occurrences.

Pesticide Types:

A = Acaricide

- F = Fungicide, FM = Fungicide Metabolite
- H = Herbicide, HM = Herbicide Metabolite
- I = Insecticide, IM = Insecticide Metabolite
- N = Nitrification Inhibitor
- P = Plant Growth Regulator
- R = Insect Growth Regulator
- S = Herbicide Safener

Appendix I

Distribution of Residues by Pesticide in Bottled Water

Appendix I shows residue detections for all bottled water compounds tested, including range of values detected and range of Limits of Detection (LODs) for each pair.

In 2005, PDP analyzed 378 bottled water samples. A total of 59 samples (16%) were reported with residue detections. Fourteen different residues from seven different pesticides were detected. Most samples with detections were for a single residue with only a few samples having multiple residues (up to a maximum of seven). Bottled water is regulated by the FDA and State regulatory agencies for the same list of pesticides currently regulated in public drinking water by EPA. The Safe Drinking Water Act amendments of 1996 require that FDA consider applicability of all EPA MCLs and monitoring for bottled water. All detections were well below any established EPA MCLs, which are being adopted by FDA as SOQs and HAs.

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppt	Range of LODs, pp
2,4 DB	н	211				4.0 ^
2,4-D	Н	211				2.5 ^
Acetochlor	Н	378	1	0.3	17 ^	10 ^
Acetochlor ethanesulfonic acid	HM	211				9.0 ^
Acetochlor oxanilic acid	HM	211	1	0.5	17.3 ^	10 ^
Alachlor	Н	378				10 ^
Alachlor ethanesulfonic acid	НМ	211	9	4.3	13.7 - 121	12.5 ^
Alachlor oxanilic acid	НМ	211	1	0.5	17.3 ^	10 ^
Atrazine	н	378	10	2.6	17 - 50	10 ^
Bensulfuron methyl	н	211				5.0 ^
Boscalid	F	378				100 ^
Bromacil	Н	211				6.0 ^
Carbaryl	I	211				7.5 ^
Carbofuran	I	211				4.0 ^
Chlorimuron ethyl	н	211				6.0 ^
Chlorothalonil	F	378				30 ^
Chlorpyrifos	I	378				30 ^
Clomazone	н	378				30 ^
Clopyralid	н	211				12.5 ^
Cyanazine	н	378				50 ^
DCPA	н	378				30 ^
Desethyl Atrazine	НМ	378	26	6.9	17 - 80	10 ^
Desethyl-desisopropyl Atrazine	НМ	211	4	1.9	50.5 - 69	15 ^
Desisopropyl atrazine	НМ	378	3	0.8	83 ^	50 ^
Diazinon	I	378				30 ^
Dimethenamid ESA	HM	211				2.0 ^
Dimethenamid oxanilic acid	НМ	211				3.0 ^
Dimethenamid/Dimethenamid P	Н	378				10 ^
Dimethoate	I	378				50 ^
Disulfoton sulfone	IM	211				6.0 ^
Diuron	Н	211				4.0 ^
EPTC	Н	378				30 ^
Ethalfluralin	Н	378				30 ^
Flufenacet	н	211				2.5 ^

APPENDIX I. DISTRIBUTION OF RESIDUES BY PESTICIDE IN BOTTLED WATER

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppt	Range of LODs, pp
Fonofos	I	378				30 ^
Halosulfuron	Н	211				9.0 ^
Hydroxy Atrazine	HM	211	22	10.4	3.0 - 92.7	2.0 ^
Imazamethabenz acid	Н	211				3.0 ^
Imazamethabenz methyl	Н	211				1.5 ^
Imazamox	Н	211				4.0 ^
Imazapic	Н	211				3.0 ^
Imazapyr	Н	211				2.5 ^
Imazaquin	Н	211				5.0 ^
Imazethapyr	н	211	2	0.9	3.0 ^	2.0 ^
Linuron	Н	211				6.0 ^
Malathion	I	378				30 ^
MCPA	Н	211				1.5 ^
МСРВ	Н	211				3.0 ^
Metalaxyl	F	211				2.5 ^
Metolachlor	Н	378				15 ^
Metolachlor ethanesulfonic acid	HM	211	18	8.5	5.0 - 180	3.0 ^
Metolachlor oxanilic acid	HM	211	6	2.8	6.1 - 22.6	3.0 ^
Metribuzin	Н	378				30 ^
Metsulfuron methyl	Н	211				7.0 ^
Myclobutanil	F	378				50 ^
Neburon	н	211				3.0 ^
Nicosulfuron	Н	211				8.0 ^
Parathion methyl	I	378				30 ^
Pendimethalin	н	378				30 ^
Phorate	I	378				30 ^
Picloram	Н	211	1	0.5	52.8 ^	12.5 ^
Prometon	Н	378				30 ^
Prometryn	Н	211				1.0 ^
Propachlor	Н	378				30 ^
Propachlor oxanilic acid	НМ	211				3.0 ^
Propanil	Н	378				30 ^
Propazine	Н	378				30 ^
Propiconazole	F	378				50 ^
Propoxur	I	211				3.0 ^
Siduron	н	211				2.0 ^

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples w/ Detects	Range of Values Detected, ppt	Range of LODs, ppt
Simazine	Н	378				30 ^
Sulfometuron methyl	н	211				2.5 ^
Tebuconazole	F	378				50 ^
Tebupirimfos	I	378				30 ^
Tebuthiuron	н	378				30 ^
Terbufos	I	378				30 ^
Tetraconazole	F	378	1	0.3	100 ^	30 ^
Thifensulfuron	Н	211				5.0 ^
Thiobencarb	н	211				2.5 ^
Tri Allate	Н	378				30 ^
Triasulfuron	Н	211				7.0 ^
Trifluralin	Н	378				30 ^

NOTES

 $^{\wedge}$ = Only one distinct detected concentration or LOD value was reported for the pair.

Pesticide Types:

F = Fungicide

H = Herbicide, HM = Herbicide Metabolite

I = Insecticide, IM = Insecticide Metabolite

Appendix J

Distribution of Residues by Pesticide in Drinking Water

Appendix J shows residue detections for all drinking water compounds tested, including range of values detected and range of Limits of Detection (LODs). The Environmental Protection Agency (EPA) National Primary Drinking Water Regulation (NPDWR) Maximum Contaminant Levels (MCLs) for drinking water, Health Advisory (HA) values for drinking water, and Freshwater Aquatic Organism (FAOs) Criteria for ambient water are also shown. Units for LODs, MCLs, HAs, and FAOs are shown in parts per trillion (ppt).

In 2005, PDP analyzed 750 drinking water samples. PDP detected 43 different pesticide residues in finished drinking water and 48 residues in the untreated intake water; most of the detections were herbicides. None of the finished drinking water samples exceeded EPA MCLs for any pesticide detected. In fact, the majority of pesticides included in the PDP screens were not detected.

The MCLs are legally enforceable standards that apply to public water systems. EPA's regulations for MCLs may be referenced at <u>http://www.epa.gov/safewater/mcl.html</u>. The HAs are an estimate of acceptable drinking water levels for a chemical substance based on health effects information. The values published are for lifetime HA, which is the concentration of a chemical in drinking water that is not expected to cause any adverse noncarcinogenic effects for a lifetime of exposure. The HA values can be referenced at <u>http://www.epa.gov/waterscience/criteria/drinking</u>. FAO criteria are set by EPA and are the concentration of a chemical in water at or below which aquatic life are protected from acute and chronic adverse effects of the chemical. The FAO values can be referenced at <u>http://www.epa.gov/waterscience/criteria/drinking</u>. Health Advisories and FAO criteria are not legally enforceable Federal standards, but serve as technical guidance to assist Federal, State, and local officials.

EPA MCL, HA, and FAO values are expressed in parts per million (ppm). Because drinking water residues are expressed in parts per trillion (ppt), EPA MCL, HA, and FAO values have been multiplied by a factor of 1,000,000 as a basis for comparison using a single scale. There is no intention to imply any more exactness in the value than that originally expressed by EPA.

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, ppt ¹	EPA HA ² , ppt ¹	EPA FAO ³ , ppt ¹
2 4 5 T Water, Finished Water, Untreated	Н	230 231				1.8 - 22 1.8 - 22	50,000		
2,4 DB Water, Finished Water, Untreated	Н	374 375				14 - 151 14 - 151			
2,4-D Water, Finished Water, Untreated	Н	374 375	220 234	58.8 62.4	1.1 - 430 1.1 - 1200	0.65 - 90 0.65 - 90	70,000	70,000	
Acetochlor Water, Finished Water, Untreated	Н	374 376	9 27	2.4 7.2	15.3 - 314 15.3 - 669	9.2 - 49.5 9.2 - 49.5			
Acetochlor ethanesulfonic acid Water, Finished Water, Untreated	НМ	374 376	150 151	40.1 40.2	2.7 - 1200 7.2 - 1900	1.6 - 45 1.6 - 45			
Acetochlor oxanilic acid Water, Finished Water, Untreated	ΗM	374 376	144 147	38.5 39.1	1.1 - 1300 1.1 - 1900	0.68 - 45 0.68 - 45			
Acifluorfen Water, Finished Water, Untreated	Н	111 113				79 ^ 79 ^			
Alachlor Water, Finished Water, Untreated	Н	374 376				7.8 - 45 7.8 - 45	2000		
Alachlor ethanesulfonic acid Water, Finished Water, Untreated	HM	374 376	188 193	50.3 51.3	2.8 - 244 2.8 - 281	1.7 - 45 1.7 - 45			
Alachlor oxanilic acid Water, Finished Water, Untreated	НМ	374 376	142 150	38.0 39.9	1.0 - 61 1.0 - 84	0.61 - 45 0.61 - 45			
Aldicarb Water, Finished Water, Untreated	Ι	111 113				1500 ^ 1500 ^			
Aldicarb sulfone Water, Finished Water, Untreated	IM	111 113				200 ^ 200 ^			
Aldicarb sulfoxide Water, Finished Water, Untreated	IM	111 113				5.0 ^ 5.0 ^			
Aldrin Water, Finished Water, Untreated	I	255 257				5.0 - 9.6 5.0 - 9.6			3000

APPENDIX J. DISTRIBUTION OF RESIDUES BY PESTICIDE IN DRINKING WATER

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, ppt ¹	EPA HA ² , ppt ¹	EPA FAO ³ , ppt ¹
Atrazine	н								
Water, Finished		374	279	74.6	1.1 - 1500	0.66 - 5.0	3000		
Water, Untreated		376	284	75.5	1.1 - 3500	0.66 - 5.0			
Azinphos methyl Water, Finished	I	119				12 ^			
Water, Untreated		119				12 ^			
Benfluralin	Н								
Water, Finished		230				2.0 - 20			
Water, Untreated		232				2.0 - 20			
Bensulfuron methyl	Н								
Water, Finished		369				1.2 - 53			
Water, Untreated		370				1.2 - 53			
Bentazon	Н	074	407	447	0.00 04	0.40 000		200.000	
Water, Finished Water, Untreated		374 375	167 180	44.7 48.0	0.30 - 31 0.30 - 194	0.18 - 206 0.18 - 206		200,000	
BHC alpha	I.	010	100	1010	0.00 101	0.10 200			
Water, Finished	I	44				20 ^			
Water, Untreated		44				20 ^			
Bifenthrin	I								
Water, Finished		255				3.2 - 5.0			
Water, Untreated		257				3.2 - 5.0			
Bromacil	Н								
Water, Finished		263 262	32	10.0	4.0 77	2.5 - 9.6 2.5 - 9.6		90,000	
Water, Untreated		202	32	12.2	4.2 - 77	2.5 - 9.0			
Bromoxynil Water, Finished	Н	195				6.0 - 39			
Water, Untreated		195	1	0.5	65 ^	6.0 - 39			
Butachlor	н								
Water, Finished		263				1.9 - 5.3			
Water, Untreated		263				1.9 - 5.3			
Butylate	Н								
Water, Finished		255				1.8 - 10		400,000	
Water, Untreated		257				1.8 - 10			
Carbaryl	I								
Water, Finished		374	1	0.3	19 ^	4.7 - 23 4.7 - 23		700,000	
Water, Untreated	_	375	3	0.8	7.8 - 17	4.7 - 23			
Carbendazim (MBC) Water, Finished	F	230				1.8 - 15			
Water, Untreated		230 231				1.8 - 15 1.8 - 15			
Carbofuran	I.								
Water, Finished	I	374				0.60 - 17	40,000	40,000	
Water, Untreated		375				0.60 - 17	,	,	
Carbophenothion	I								
Water, Finished		230				5.3 - 11			
Water, Untreated		232				5.3 - 11			

Destiside / Commentity	Pest.	Number of	with	with	Range of Values	Range of	EPA MCL, ppt ¹		EPA FAO ³ ,
Pesticide / Commodity	Туре	Samples	Detects	Detects	Detected, ppt	LODs, ppt	ρρτ	ppt ¹	ppt ¹
Chloramben Water, Finished	Н	119				60 ^		100,000	
Water, Untreated		118				60 ^		100,000	
Chlordane cis	I								
Water, Finished		225				2.3 - 5.0	2000 4		
Water, Untreated		227				2.3 - 5.0			2400
Chlordane trans	I								
Water, Finished		230				2.3 - 5.0	2000 ⁴		
Water, Untreated		232				2.3 - 5.0			2400
Chlorfenvinphos total	I	074				75 04			
Water, Finished Water, Untreated		374 376				7.5 - 24 7.5 - 24			
		570				7.5 - 24			
Chlorimuron ethyl Water, Finished	Н	144	8	5.6	9.5 - 22	5.7 - 13			
Water, Untreated		144	18	12.5	9.5 - 52	5.7 - 13			
Chlorothalonil	F								
Water, Finished	•	111				50 ^			
Water, Untreated		113				50 ^			
Chlorpyrifos	I								
Water, Finished		230				6.0 - 11		20,000	
Water, Untreated		232				6.0 - 11			
Chlorpyrifos methyl	I								
Water, Finished		230 232				11.3 - 14 11.3 - 14			
Water, Untreated		232				11.3 - 14			
Chlorpyrifos oxygen analog Water, Finished	IM	111				510 ^			
Water, Untreated		113				510 ^			
Clopyralid	н								
Water, Finished		364	35	9.6	5.7 - 190	3.4 - 151			
Water, Untreated		365	30	8.2	5.7 - 100	3.4 - 151			
Coumaphos	I								
Water, Finished		230				3.8 - 61			
Water, Untreated		232				3.8 - 61			
Cyanazine	Н								
Water, Finished		374	4	4 4	2.0.4	1.7 - 25		1000	
Water, Untreated		376	4	1.1	2.8 ^	1.7 - 25			
Cycloate Water, Finished	Н	256				22 60			
Water, Untreated		256 255				3.3 - 6.0 3.3 - 6.0			
Cyfluthrin	I	_00				0.0 0.0			
Water, Finished	I	255				40 - 75			
Water, Untreated		257				40 - 75			
Cyhalothrin, Total (Cyhalothrin-L									
+ R157836 epimer)	I					•··			
Water, Finished		255				21 - 75			
Water, Untreated		257				21 - 75			

		Number	Samples	% of Samples	Range of			-	EPA
Pesticide / Commodity	Pest. Type	of Samples	with Detects	with Detects	Values	Range of LODs, ppt	EPA MCL, ppt ¹	EPA HA ² , ppt ¹	FAO ³ , ppt ¹
Cypermethrin Water, Finished Water, Untreated	Ι	255 257				74 - 90 74 - 90			
DCPA Water, Finished	Н	230				0.80 - 2.5		70,000	
Water, Untreated		232				0.75 - 2.5			
DCPA monoacid Water, Finished Water, Untreated	HM	119 118				222 - 740 222 - 740			
DDD o,p' Water, Finished	IM	119				3.8 ^			
Water, Untreated		119				3.8 ^			
DDD p,p' Water, Finished Water, Untreated	IM	119 119				3.8 ^ 3.8 ^			
DDE o,p'	IM								
Water, Finished Water, Untreated		111 113				4.0 ^ 4.0 ^			
DDE p,p' Water, Finished Water, Untreated	IM	230 232				2.5 - 7.5 2.5 - 7.5			
DDT o,p' Water, Finished Water, Untreated	I	119 119				3.8 ^ 3.8 ^			
DDT p,p' Water, Finished	I	119				3.8 ^			
Water, Untreated	н	119				3.8 ^			
DEF (Tribufos) Water, Finished Water, Untreated	п	141 143				3.8 - 8.0 3.8 - 8.0			
Deltamethrin (includes parent Tralomethrin)	I	1 1 1				84 ^			
Water, Finished Water, Untreated		144 144				84 ^			
Desethyl atrazine Water, Finished	HM	374	247	66.0	0.72 - 869	0.43 - 25			
Water, Untreated		376	271	72.1	0.72 - 1078	0.43 - 25			
Desisopropyl atrazine Water, Finished Water, Untreated	HM	374 376	150 167	40.1 44.4	2.7 - 139 2.7 - 330	1.6 - 50 1.6 - 50			
Diazinon Water, Finished	I	230				6.2 - 7.5		600	
Water, Untreated Diazinon oxygen analog	IM	232				6.2 - 7.5			
Water, Finished Water, Untreated	1171	230 232				9.0 - 49 9.0 - 49			

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, ppt ¹	EPA HA ² , ppt ¹	EPA FAO ³ , ppt ¹
Dicamba	Н								
Water, Finished		111				266 ^		200,000	
Water, Untreated		113				266 ^			
Dichlobenil	Н								
Water, Finished Water, Untreated		225 227				6.7 - 45 6.7 - 45			
·		221				0.7 - 45			
Dichlorprop Water, Finished	Н	119	5	4.2	3.0 ^	1.8 ^			
Water, Untreated		118	5	4.2	3.0 - 11	1.8 ^			
Dichlorvos (DDVP)	I.								
Water, Finished	•	230				16 - 22.5			
Water, Untreated		232				16 - 22.5			
Dicloran	F								
Water, Finished		119				7.5 ^			
Water, Untreated		119				7.5 ^			
Dicofol p,p'	Ι					50 440			
Water, Finished Water, Untreated		230 232				5.0 - 11.3 5.0 - 11.3			
		202				5.0 - 11.5			
Dicrotophos Water, Finished	I	111				132 ^			
Water, Untreated		113				132 ^			
Dieldrin	I								
Water, Finished		230				5.0 - 15		2000	
Water, Untreated		232				5.0 - 15			240
Dimethenamid ESA	HM								
Water, Finished Water, Untreated		111 113				45 ^ 45 ^			
		113				45 ^			
Dimethenamid oxanilic acid Water, Finished	HM	255	20	7.8	1.0 - 23	0.63 - 45			
Water, Untreated		257	31	12.1	1.0 - 54	0.63 - 45			
Dimethenamid/Dimethenamid P	н								
Water, Finished	••	374	35	9.4	1.0 - 75	0.60 - 45			
Water, Untreated		375	65	17.3	1.0 - 76	0.60 - 45			
Dimethoate	I								
Water, Finished		230				5.3 - 52			
Water, Untreated		232				5.3 - 52			
Dinoseb	Н								
Water, Finished Water, Untreated		119 118	25 3	21.0 2.5	1.0 - 7.1 1.0 ^	0.60 ^ 0.60 ^	7000	7000	
	ы	110	0	2.0	1.0	0.00			
Diphenamid Water, Finished	Н	119				24 ^		200,000	
Water, Untreated		119				24 ^		_00,000	
Disulfoton	I								
Water, Finished		374				6.0 - 8.8		300	
Water, Untreated		376				6.0 - 8.8			

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, ppt ¹	EPA HA ² , ppt ¹	EPA FAO ³ , ppt ¹
Disulfoton sulfone	IM		-		211 ·	2112			<u></u>
Water, Finished		263				3.8 - 8.8			
Water, Untreated		263				3.8 - 8.8			
Diuron	Н	000	4	4.5	5 0 A	0 5 40		40.000	
Water, Finished Water, Untreated		263 262	4 20	1.5 7.6	5.8 ^ 5.8 - 27	3.5 - 16 3.5 - 16		10,000	
Endosulfan I	I	202	20	1.0	0.0 21	0.0 10			
Water, Finished	1	230				5.0 - 22.5			
Water, Untreated		232				5.0 - 22.5			220
Endosulfan II	IM								
Water, Finished		230				12 - 18.8			220
Water, Untreated		232				12 - 18.8			220
Endosulfan sulfate	IM								
Water, Finished Water, Untreated		119 119				30 - 46.8 30 - 46.8			
		119				50 - 40.0			
Endrin Water, Finished	I	230				22 - 52.5	2000	2000	
Water, Untreated		232				22 - 52.5	2000	2000	86
EPTC	н								
Water, Finished		369				2.5 - 117.8			
Water, Untreated		371				2.5 - 117.8			
Esfenvalerate	Ι								
Water, Finished		111				50 ^			
Water, Untreated		113				50 ^			
Esfenvalerate+Fenvalerate Total Water, Finished	I	144				19 ^			
Water, Untreated		144				19 ^			
Ethalfluralin	н								
Water, Finished		230				50 - 60			
Water, Untreated		232				50 - 60			
Ethion	Ι								
Water, Finished		374				2.3 - 25			
Water, Untreated		376				2.3 - 25			
Ethion di oxon	IM					25 4			
Water, Finished Water, Untreated		111 113				35 ^ 35 ^			
Ethion mono oxon	IM	110				00			
Water, Finished	1171	230				3.8 - 51			
Water, Untreated		232				3.8 - 51			
Ethoprop	I								
Water, Finished		369				4.5 - 6.0			
Water, Untreated		371				4.5 - 6.0			
Fenamiphos	Ι								
Water, Finished Water, Untreated		230 232				7.5 - 26 7.5 - 26		2000	
water, Unitedited		232				1.5 - 20			

				% of					EPA
	Pest.	Number of	with	Samples with	Range of Values	Range of		EPA HA ² ,	FAO ³ ,
Pesticide / Commodity	Туре	Samples	Detects	Detects	Detected, ppt	LODs, ppt	ppt ¹	ppt ¹	ppt ¹
Fenamiphos sulfone	IM					400.4			
Water, Finished Water, Untreated		111 113				193 ^ 193 ^			
	F	115				135			
Fenarimol Water, Finished	F	119				37.5 ^			
Water, Untreated		119				37.5 ^			
Fenitrothion	Ι								
Water, Finished		374				6.0 - 52			
Water, Untreated		376				6.0 - 52			
Fenpropathrin	Ι								
Water, Finished		263				14 - 60			
Water, Untreated		263				14 - 60			
Fenthion Water, Finished	I	374				6.0 - 22			
Water, Untreated		374				6.0 - 22 6.0 - 22			
Fenthion-O analog	IM								
Water, Finished		230				7.5 - 99			
Water, Untreated		232				7.5 - 99			
Fenuron	Н								
Water, Finished		230				15 - 27			
Water, Untreated	_	231				15 - 27			
Fludioxonil	F	110				07 E A			
Water, Finished Water, Untreated		119 119				37.5 ^ 37.5 ^			
Flufenacet	Н								
Water, Finished		111				45 ^			
Water, Untreated		113				45 ^			
Flufenacet ESA	НМ								
Water, Finished		111				45 ^			
Water, Untreated		113				45 ^			
Flufenacet OA	HM	144	24	16.7	10.00	0.75.4			
Water, Finished Water, Untreated		144	24 21	16.7 14.6	1.2 - 26 1.2 - 15	0.75 ^ 0.75 ^			
Flumetsulam	н								
Water, Finished		230	4	1.7	10 ^	6.0 - 129			
Water, Untreated		231	7	3.0	10 ^	6.0 - 129			
Fluometuron	Н								
Water, Finished		119				1.2 ^		90,000	
Water, Untreated		118	1	0.8	2.0 ^	1.2 ^			
Fluvalinate	I	4 4 4				70 400			
Water, Finished Water, Untreated		144 144				79 - 130 79 - 130			
Fonofos	I								
Water, Finished	ı	119				7.5 ^		10,000	
Water, Untreated		119				7.5 ^			

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, EPA HA ² , ppt ¹ ppt ¹	EPA FAO ³ , ppt ¹
Formetanate Water, Finished Water, Untreated	Ι	18 20				1500 ^ 1500 ^		
Halosulfuron methyl Water, Finished Water, Untreated	Н	144 144				3.3 ^ 3.3 ^		
Heptachlor Water, Finished Water, Untreated	I	111 113				5.0 ^ 5.0 ^	400	520
Heptachlor epoxide Water, Finished Water, Untreated	IM	230 232				5.0 - 15 5.0 - 15	200	520
Hexachlorobenzene Water, Finished Water, Untreated	FM	111 113				10 ^ 10 ^	1000	
Hydroxy Atrazine Water, Finished Water, Untreated	НМ	144 144	96 97	66.7 67.4	4.2 - 120 2.0 - 440	1.2 ^ 1.2 ^		
3-Hydroxycarbofuran Water, Finished Water, Untreated	IM	230 231				24 - 46 24 - 46		
Imazamethabenz acid Water, Finished Water, Untreated	Н	144 144	1 1	0.7 0.7	2.2 ^ 2.0 ^	0.60 ^ 0.60 ^		
Imazamethabenz methyl Water, Finished Water, Untreated	н	374 375	1 1	0.3 0.3	5.2 ^ 5.2 ^	0.15 - 4.2 0.15 - 4.2		
Imazamox Water, Finished Water, Untreated	Н	263 262	1	0.4	4.0 ^	1.8 - 3.1 1.8 - 3.1		
Imazapic Water, Finished Water, Untreated	Н	263 262	5 5	1.9 1.9	1.5 - 4.0 1.5 - 4.0	0.90 - 2.4 0.90 - 2.4		
Imazapyr Water, Finished Water, Untreated	н	263 262	156 116	59.3 44.3	1.5 - 31 1.5 - 29	0.90 - 1.0 0.90 - 1.0		
Imazaquin Water, Finished Water, Untreated	Н	374 375	27 27	7.2 7.2	1.8 - 38 1.8 - 58	1.1 - 9.3 1.1 - 9.3		
Imazethapyr Water, Finished Water, Untreated	н	374 375	77 67	20.6 17.9	2.0 - 63 2.0 - 36	1.0 - 7.9 1.0 - 7.9		
Imidacloprid Water, Finished Water, Untreated	I	230 231	-	-		1.5 - 42 1.5 - 42		

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, ppt ¹	EPA HA ² , ppt ¹	EPA FAO ³ , ppt ¹
Isofenphos									
Water, Finished	-	230				4.5 - 9.5			
Water, Untreated		232				4.5 - 9.5			
lsofenphos oxygen analog	IM								
Water, Finished		111				52 ^			
Water, Untreated		113				52 ^			
Lindane (BHC gamma)	I								
Water, Finished		374				10 - 20	200	200	
Water, Untreated		376				10 - 20			950
Linuron	Н								
Water, Finished		374				2.5 - 189			
Water, Untreated		376	2	0.5	4.2 - 11	2.5 - 189			
Malathion	I								
Water, Finished		374				6.0 - 21		100,000	
Water, Untreated		376				6.0 - 21			
Malathion oxygen analog	IM								
Water, Finished		119				6.0 ^			
Water, Untreated		119				6.0 ^			
МСРА	Н								
Water, Finished		374	1	0.3	152 ^	7.2 - 91		4000	
Water, Untreated		375				7.2 - 91			
МСРВ	Н								
Water, Finished		374				6.6 - 228			
Water, Untreated		375				6.6 - 228			
Mecoprop (MCPP)	Н								
Water, Finished		111				52 ^			
Water, Untreated		113				52 ^			
Metalaxyl	F								
Water, Finished		374				3.0 - 36			
Water, Untreated		376	1	0.3	10 ^	3.0 - 36			
Methidathion	I								
Water, Finished		230				5.3 - 31			
Water, Untreated		232				5.3 - 31			
Methidathion oxygen analog	IM								
Water, Finished		230				22.5 - 915			
Water, Untreated		232				22.5 - 915			
Methiocarb	Ι	000				45 00			
Water, Finished		230				15 - 22			
Water, Untreated		231				15 - 22			
Methomyl Weter Finished	I	000				26 25		200.000	
Water, Finished Water, Untreated		230 231				3.6 - 25 3.6 - 25		200,000	
	18.4	201				5.0 - 20			
Methoxychlor olefin	IM	110				201	40.000	40.000	
Water, Finished Water, Untreated		119 119				3.8 ^ 3.8 ^	40,000	40,000	
water, onlieated		113				0.0			

	Pest.	Number of	Samples with	% of Samples with	Range of Values	Range of	EPA MCL,	EPA HA ² ,	EPA FAO ³ ,
Pesticide / Commodity	Туре	Samples	Detects	Detects	Detected, ppt	LODs, ppt	ppt 1	ppt ¹	ppt 1
Methoxychlor Total Water, Finished Water, Untreated	I	230 232				7.5 - 40 7.5 - 40	40,000	40,000	
Metolachlor Water, Finished Water, Untreated	Н	374 376	161 184	43.0 48.9	2.5 - 290 2.5 - 430	1.5 - 45 1.5 - 45		100,000	
Metolachlor ethanesulfonic acid Water, Finished Water, Untreated	НМ	374 376	277 280	74.1 74.5	0.60 - 1917 0.60 - 3603	0.36 - 45 0.36 - 45			
Metolachlor oxanilic acid Water, Finished Water, Untreated	ΗМ	374 376	235 246	62.8 65.4	5.3 - 1200 5.3 - 1500	3.2 - 45 3.2 - 45			
Metribuzin Water, Finished Water, Untreated	Н	230 232				35 - 45 35 - 45		200,000	
Metsulfuron methyl Water, Finished Water, Untreated	Н	238 237	4	1.7	2.5 - 5.0	1.5 - 28 1.5 - 28			
Mevinphos Total Water, Finished Water, Untreated	I	230 232				6.0 - 15 6.0 - 15			
Molinate Water, Finished Water, Untreated	Н	225 227				9.8 - 12 9.8 - 12			
Monuron Water, Finished Water, Untreated	Н	230 231				6.0 - 54 6.0 - 54			
Myclobutanil Water, Finished Water, Untreated	F	230 232	4 2	1.7 0.9	18.8 ^ 18.8 ^	5.0 - 11.3 5.0 - 11.3			
Napropamide Water, Finished Water, Untreated	Н	230 232				24 - 25 24 - 25			
Neburon Water, Finished Water, Untreated	Н	374 375				1.2 - 75 1.2 - 75			
Nicosulfuron Water, Finished Water, Untreated	Н	263 262	20 31	7.6 11.8	3.0 - 35 3.0 - 35	1.8 - 4.8 1.8 - 4.8			
Norflurazon Water, Finished Water, Untreated	Н	230 232				18.8 - 31 18.8 - 31			
Norflurazon desmethyl Water, Finished Water, Untreated	НМ	225 227				37.5 - 72 37.5 - 72			

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, ppt ¹	EPA HA ² , ppt ¹	EPA FAO ³ , ppt ¹
		Gamples	Delects	Delects	Delected, ppt	LODS, ppt	ρρι	ρρι	ρρι
Oxadiazon Water, Finished	Н	230				15 ^			
Water, Untreated		230				15 ^			
		202				10			
Oxadixyl	F								
Water, Finished		119				48.8 ^			
Water, Untreated		119				48.8 ^			
Oxamyl	I								
Water, Finished		230				6.0 - 20	200,000	200,000	
Water, Untreated		231				6.0 - 20			
Oxychlordane	IM								
Water, Finished		119				7.5 ^			
Water, Untreated		119				7.5 ^			
Oxydemeton methyl	I								
Water, Finished		111				255 ^			
Water, Untreated		113				255 ^			
Oxyfluorfen	н								
Water, Finished		230				11.3 - 25			
Water, Untreated		232				11.3 - 25			
Parathion ethyl	I	2022							
Water, Finished Water, Untreated		263 263				7.5 - 15 7.5 - 15			
Water, Ontreated		203				7.5 - 15			
Parathion methyl	I								
Water, Finished		263				4.5 - 53			
Water, Untreated		263				4.5 - 53			
Parathion methyl oxygen analog	IM								
Water, Finished		230				9.8 - 195			
Water, Untreated		232				9.8 - 195			
Parathion oxygen analog	IM								
Water, Finished		230				7.5 - 104			
Water, Untreated		232				7.5 - 104			
Pebulate	Н								
Water, Finished	••	225				2.3 - 25			
Water, Untreated		227				2.3 - 25			
Pendimethalin	н								
Water, Finished		230				4.5 - 5.0			
Water, Untreated		232				4.5 - 5.0			
	15.4								
Permethrin cis	IM	0 <i>EF</i>	1	0.4	68 ^	1 5 9 0			
Water, Finished Water, Untreated		255 257	1	0.4	00 ^	4.5 - 8.0 4.5 - 8.0			
		201				ч. 0 - 0.0			
Permethrin trans	I								
Water, Finished		144				7.5 ^			
Water, Untreated		144				7.5 ^			

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, ppt ¹	EPA HA ² , ppt ¹	EPA FAO ³ , ppt ¹
Phenthoate	1,00	Gampioo	Dottooto	Dottooto	Bottottod, ppt	2020, ppt	ppt	PP	PP1
Water, Finished	I	119				15 ^			
Water, Untreated		119				15 ^			
		115				10			
Phorate	I								
Water, Finished		230				5.2 - 11.3			
Water, Untreated		232				5.2 - 11.2			
Phorate oxygen analog	IM								
Water, Finished		230				5.3 - 10			
Water, Untreated		232				5.3 - 10			
Phorate sulfone	IM								
Water, Finished	1141	230				6.0 - 16			
Water, Untreated		232				6.0 - 16			
		202				0.0 10			
Phorate sulfoxide	IM								
Water, Finished		230				37.5 - 199			
Water, Untreated		232				37.5 - 199			
Phosalone	Ι								
Water, Finished		230				4.5 - 52			
Water, Untreated		232				4.5 - 52			
Phosalone oxygen analog	IM								
Water, Finished	1111	111				631 ^			
Water, Untreated		113				631 ^			
		110				001			
Phosmet	I								
Water, Finished		111				227 ^			
Water, Untreated		113				227 ^			
Phosphamidon	Ι								
Water, Finished		230				12 - 297			
Water, Untreated		232				12 - 297			
Picloram	н								
Water, Finished		374				22 - 447	500,000	500,000	
Water, Untreated		375	1	0.3	37 ^	22 - 447	500,000	500,000	
		010		0.0	01				
Piperonyl butoxide	I								
Water, Finished		119				18.8 ^			
Water, Untreated		119				18.8 ^			
Pirimicarb	Ι								
Water, Finished		119				37.5 ^			
Water, Untreated		119				37.5 ^			
Pirimiphos methyl	I								
Water, Finished	I	230				5.3 - 8.8			
Water, Untreated		230				5.3 - 8.8 5.3 - 8.8			
		202				0.0 0.0			
Prallethrin	I								
Water, Finished		144				25 ^			
Water, Untreated		144				25 ^			

	Pest.	Number of	Samples with	% of Samples with	Range of Values	Range of	EPA MCL,	EPA HA ² ,	EPA FAO ³ ,
Pesticide / Commodity	Туре	Samples	Detects	Detects	Detected, ppt	LODs, ppt	ppt 1	ppt 1	ppt 1
Profenofos Water, Finished Water, Untreated	I	230 232				3.8 - 30 3.8 - 30			
Prometon Water, Finished Water, Untreated	Н	374 376	199 212	53.2 56.4	0.28 - 83 0.28 - 65	0.17 - 50 0.17 - 50		100,000	
Prometryn Water, Finished Water, Untreated	Н	374 376	11 54	2.9 14.4	0.28 - 89 0.28 - 118	0.17 - 24 0.17 - 24			
Pronamide Water, Finished Water, Untreated	Н	230 232				5.0 - 22.5 5.0 - 22.5		50,000	
Propachlor Water, Finished Water, Untreated	Н	374 376	1	0.3	2.1 ^	0.64 - 16 0.64 - 16		90,000	
Propachlor OA Water, Finished Water, Untreated	НМ	144 144				1.4 ^ 1.4 ^			
Propanil Water, Finished Water, Untreated	Н	374 376				2.9 - 25 2.9 - 25			
Propargite Water, Finished Water, Untreated	I	230 232				90 - 180 90 - 180			
Propetamphos Water, Finished Water, Untreated	I	230 232				6.0 - 8.4 6.0 - 8.4			
Propham Water, Finished Water, Untreated	Н	119 118				18 ^ 18 ^		100,000	
Propiconazole Water, Finished Water, Untreated	F	230 232				37.5 - 55 37.5 - 55			
Propoxur Water, Finished Water, Untreated	I	119 119				24.8 ^ 24.8 ^			
Quintozene (PCNB) Water, Finished Water, Untreated	F	119 119				11.3 ^ 11.3 ^			
Resmethrin Water, Finished Water, Untreated	I	144 144				7.8 ^ 7.8 ^			

Destiside / Commodity	Pest.	Number of	Samples with	with	Range of Values	Range of	EPA MCL, ppt ¹		EPA FAO ³ ,
Pesticide / Commodity	Туре	Samples	Detects	Detects	Detected, ppt	LODs, ppt	ppi	ppt ¹	ppt 1
S-(2-hydroxy)propyl EPTC Water, Finished Water, Untreated	ΗM	111 113				125 ^ 125 ^			
Siduron	н								
Water, Finished Water, Untreated		263 262	1 3	0.4 1.1	3.5 ^ 3.5 - 16	2.1 - 2.4 2.1 - 2.4			
Simazine	Н								
Water, Finished		374	179	47.9	1.2 - 287	0.71 - 50	4000	4,000	
Water, Untreated		376	202	53.7	1.2 - 731	0.71 - 50			
Sulfometuron methyl	Н								
Water, Finished		255	2	0.8	3.2 - 13	1.9 - 15			
Water, Untreated		257	5	1.9	3.2 - 14	1.9 - 15			
Sulfotep	I								
Water, Finished		225				2.4 - 4.5			
Water, Untreated		227				2.4 - 4.5			
Sulprofos	I								
Water, Finished		230				6.0 - 11			
Water, Untreated		232				6.0 - 11			
Sulprofos oxygen analog	IM								
Water, Finished		111				37 ^			
Water, Untreated		113				37 ^			
Tebuconazole	F								
Water, Finished		230				60 - 62			
Water, Untreated		232				60 - 62			
Tebupirimfos	I								
Water, Finished		230				5.6 - 7.5			
Water, Untreated		232				5.6 - 7.5			
Tebupirimfos oxygen analog	IM								
Water, Finished		230				9.0 - 13			
Water, Untreated		232				9.0 - 13			
Tebuthiuron	Н								
Water, Finished		374	141	37.7	0.35 - 3.8	0.21 - 10		500,000	
Water, Untreated		375	164	43.7	0.35 - 7.8	0.21 - 10			
Tecnazene	Р								
Water, Finished		114				18.8 ^			
Water, Untreated		114				18.8 ^			
Tefluthrin	I								
Water, Finished		255				2.1 - 5.0			
Water, Untreated		257				2.1 - 5.0			
Terbacil	Н								
Water, Finished		119				22.5 ^		90,000	
Water, Untreated		119				22.5 ^			

	Pest.	Number of	with	% of Samples with	Range of Values	Range of		EPA HA ² ,	EPA FAO ³ ,
Pesticide / Commodity	Туре	Samples	Detects	Detects	Detected, ppt	LODs, ppt	ppt ¹	ppt ¹	ppt 1
Terbufos Water, Finished Water, Untreated	I	255 257				5.2 - 6.3 5.2 - 6.3		900	
Terbufos sulfone Water, Finished Water, Untreated	IM	230 232				4.5 - 7.7 4.5 - 7.7			
Terbufos-O analog Water, Finished Water, Untreated	IM	230 232				6.0 - 12 6.0 - 12			
Tetrachlorvinphos Water, Finished Water, Untreated	I	230 232				6.0 - 63 6.0 - 63			
Tetradifon Water, Finished Water, Untreated	I	89 89				37.5 ^ 37.5 ^			
Tetramethrin Water, Finished Water, Untreated	I	144 144				28 ^ 28 ^			
Thifensulfuron Water, Finished Water, Untreated	н	144 144	1	0.7	2.8 ^	1.7 - 8.9 1.7 - 8.9			
Thiobencarb Water, Finished Water, Untreated	Н	263 263				1.6 - 24.8 1.6 - 24.8			
Thiodicarb Water, Finished Water, Untreated	I	111 113				25 ^ 25 ^			
Tolclofos methyl Water, Finished Water, Untreated	F	111 113				5.0 ^ 5.0 ^			
Tralomethrin Water, Finished Water, Untreated	I	111 113				300 ^ 300 ^			
Tri Allate Water, Finished Water, Untreated	н	374 376				11 - 24.8 11 - 24.8			
Triadimefon Water, Finished Water, Untreated	F	230 232				5.0 - 22.5 5.0 - 22.5			
Triasulfuron Water, Finished Water, Untreated	Н	144 144				1.6 - 3.1 1.6 - 3.1			

Pesticide / Commodity	Pest. Type	Number of Samples	Samples with Detects	% of Samples with Detects	Range of Values Detected, ppt	Range of LODs, ppt	EPA MCL, EPA HA ² , F	EPA AO ³ , opt ¹
Triclopyr	Н							
Water, Finished		230	74	32.2	10 - 174	6.0 - 42		
Water, Untreated		231	70	30.3	10 - 283	6.0 - 42		
Trifluralin	н							
Water, Finished		220				1.5 - 3.3	5000	
Water, Untreated		222				1.5 - 3.3		
Vinclozolin	F							
Water, Finished		200				5.0 - 6.0		
Water, Untreated		202				5.0 - 6.0		

NOTES

¹ = EPA MCL, HA, and FAO values have been multiplied by a factor of 1,000,000 as a basis for comparison using a single scale.

There is no intention to imply any more exactness in the value than that originally expressed by EPA.

 2 = EPA Health Advisory values shown are for lifetime exposure.

 3 = The FAO value applies to ambient water rather than drinking water.

 4 = The MCL for chlordane is inclusive of the isomers.

[^] = Only one distinct detected concentration or LOD value was reported for the pair.

Pesticide Types:

F = Fungicide, FM = Fungicide Metabolite

H = Herbicide, HM = Herbicide Metabolite

I = Insecticide, IM = Insecticide Metabolite

P = Plant Growth Regulator

Appendix K

Sample Origin by State or Country (Determined by Grower, Packer, or Distributor)

Appendix K gives the number of fruit and vegetables, dairy, and bottled water samples per State or country of origin and the number of samples of unknown origin. Where available, origin of fresh commodities is taken from the grower or packer information. For processed commodities, origin is determined primarily by packer or distributor.

As shown in Appendix K, fruit and vegetable, dairy, and bottled water samples originated from 39 States and 27 foreign countries. There were 247 domestic and 53 imported samples from unknown States and countries, respectively. There were an additional 93 samples from unknown countries of origin. Pork, soybean, and wheat samples were all of domestic origin. Overall, for all samples except drinking water, 84 percent were from U.S. sources, 14 percent were imports, 1 percent were of mixed origin, and approximately 1 percent were of unknown origin.

APPENDIX K. SAMPLE ORIGIN BY STATE OR COUNTRY¹ (Determined by Grower, Packer, or Distributor)

Part 1. Domestic Samples

			-				Fres	n F&V							Proc	essed	F&V	Da	airy	H_2O	No. of	% 0
States = 39	AP	CF	CN	EP	GB	GF	GR	LT	OG	PE	PU	ST	WM	WS	GZ	OJ	PD	СМ	MK	WB	Domestic	Tota
Alabama															2						2	<0.
Arizona		1	12	11	1	3	1	1					2	28					3		63	0.5
Arkansas															8	5	3	13	9		38	0.3
California	36	678	155	123		330	324	652	595	87	310	604	32	147	64	79	111	73	156	58	4614	39.
Colorado		1	4	1	1			6		1				5		2	1	1	23	4	50	0.4
Connecticut																3	1	1	3	55	63	0.5
Florida	1	4	59	72	60	211	20	5	62	3	7	65	27	27	29	256	1	23	59	16	1007	8.6
Georgia		1	2	56	2									16	3	10				16	106	0.9
Hawaii																				4	4	<0.
Idaho	8										1				42	35	4	21	33	6	150	1.3
Illinois									2	2					16	7	2	6	25	1	61	0.5
Kansas																				4	4	<0.1
Kentucky				2												1		5	11	2	21	0.2
Louisiana																			1	1	2	<0.
Maine	1														5	1	1	1	3		12	0.1
Maryland	3		2	5	6	1	1	6	2		2				28	16	1	19	28	3	123	1.1
Massachusetts	2													1		2		11	20	1	37	0.3
Michigan	33			14	6	1	2	6						39	27	10	5	23	39	13	218	1.9
Minnesota	1			3	1		4	3					2	1	28	8		11	22	5	89	0.8
Mississippi				1																	1	<0.
Missouri	1								1	1									4		7	0.1
New Hampshire																				1	1	<0.1
New Jersey				15				3						17	3	5		16	38		97	0.8
New Mexico								1					4								5	<0.
New York	53	1		16	5					2				22	55	1	4	10	31	34	234	2.0
North Carolina			7	5	2			3				1	6	3					2		29	0.2
Ohio	5	2	2	12	7	1		1			1	2		23	38	32	2	39	85	23	275	2.4
Oklahoma															3						3	<0.1
Oregon	6									91				2	30	4	2		10	7	152	1.3
Pennsylvania	2	1		1				1		1	1				10	3		6	11	7	44	0.4
Rhode Island																				1	1	<0.
South Carolina				4																	4	<0.
Tennessee															19					6	25	0.2
Texas	20	22	20	16	7	172	12	23	29	11		15	26	10	45	63	5	54	88	21	659	5.7
Vermont																				1	1	<0.
Virginia				3											3			2	5		13	0.1
Washington	540	3		5		3		9		231	6			12	7	1		21	22	4	864	7.4
West Virginia	1																				1	<0.7
Wisconsin	4	3	3	3	1	4	2	3	1	3	1	2		3	6	5	2	8	15	3	72	0.6
Unknown State	7	8	3	56	7	9	5	10	13	10	11	4	15	52	3	5	1	5		23	247	2.1
No. of Domestics	724	725	269	424	106	735	371	733	705	443	340	693	114	408	474	554	146	369	746	320	9,399	
% of Total	97	98	48	58	59	99	50	99	95	80	59	94	63	56	85	74	95	100	100	85		80.
Number and Percen	tage as											71\//		malas		agatic	origin	oddad			11,737	83.8

	1						Fresh	n F&V							Proc	essed	F&V	Da	airy	H_2O	No. of	% o
Countries = 27	AP	CF	CN	EP	GB	GF	GR	LT	OG	PE	PU	ST	WM	WS	GZ	OJ	PD	СМ	MK	WB	Imports	Tota
Argentina										51	2										53	0.5
Australia									18												18	0.2
Bahamas						2															2	<0.1
Belgium															3						3	<0.1
Belize																1					1	<0.7
Brazil							3									22					25	0.2
Canada	4	7		3				3		2				10	39					11	79	0.7
Chile	8						284		1	46	227						4				570	4.9
China															6						6	0.1
Costa Rica			83													5					88	0.8
Dominican Republic			2																		2	<0.1
Egypt															6						6	0.1
Fiji																				14	14	0.1
France															9		1			26	36	0.3
Guatemala			90										4								94	0.8
Honduras			86	15										36							137	1.2
Japan																				1	1	<0.1
Korea, Republic of										2											2	<0.1
Mexico		6	9	265	59	2	63	3	2	1		43	48	258	1	3					763	6.6
Netherlands				6																	6	0.1
New Zealand	7									1				1						2	11	0.1
Nicaragua			3										1	4							8	0.1
Panama														1							1	<0.1
Peru							4					1									5	<0.1
South Africa									12	1											13	0.1
Taiwan															1						1	<0.1
United Kingdom																				1	1	<0.1
Unknown Country		2	14			1	13			6	1				15	1					53	0.5
No. of Imports	19	15	287	289	59	5	367	6	33	110	230	44	53	310	80	32	5	0	0	55	1999	
% of Total	3	2	51	39	33	1	50	1	4	20	40	6	29	42	14	4	3	0	0	14		17.2
Number and Percenta	age co	mpute	d with	14 Po	rk sam	ples	originat	ing fro	om Ca	nada a	added:										2,013	14.4

Part 2. Imported Samples

Part 3. Mixed National Origin Samples

	Proc	essed	I F&V	Da	airy	H_2O	No. of	% of
	GZ	OJ	PD	СМ	MK	WB	Mixed Orig	Total
Argentina / Chile / France / USA			1				1	<0.1
Belize / Brazil		1					1	<0.1
Belize / Brazil / Mexico / USA		2					2	<0.1
Belize / Costa Rica		4					4	<0.1
Brazil / Costa Rica		2					2	<0.1
Brazil / Costa Rica / USA		10					10	0.1
Brazil / Mexico		7					7	0.1
Brazil / Mexico / USA		40					40	0.3
Brazil / USA		81					81	0.7
Honduras / Mexico / USA		4					4	<0.1
Mexico / USA		2					2	<0.1
Multi-Country Origin - Countries Unknown		2					2	<0.1
No. of Mixed National Origin Samples		155	1				156	
% of Total		21	1					1.3

Part 4. Unknown Origin Samples

							Fresh	n F&V							Proc	essed	F&V	Da	iry	H_2O	No. of	% of
	AP	CF	CN	EP	GB	GF	GR	LT	OG	PE	PU	ST	WM	WS	GZ	OJ	PD	СМ	MK	WB	Unknown	Total
Unknown Origin		1	2	23	16	2	1	4	3	2	3		15	13	1	3	1			3	93	
% of Total		<1	<1	3	9	<1	<1	1	<1	<1	1		8	2	<1	<1	1			1		0.8

 SAMPLE TOTALS
 743
 741
 558
 736
 181
 742
 739
 743
 741
 555
 573
 737
 182
 731
 555
 744
 153
 369
 746
 378
 11,647

 Grand Total computed with 704 Pork samples, 974 Soybean samples, and 674 Wheat samples added:
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NOTE

¹ Excludes soybean, wheat, pork, and treated/untreated drinking water samples.

Commodity Legend		
AP = Apples	GR = Grapes	PE = Pears
CF = Cauliflower	GZ = Green Beans (Frozen)	PU = Plums
CM = Heavy Cream	LT = Lettuce	ST = Strawberries
CN = Cantaloupe	MK = Milk	WB = Bottled Water
EP = Eggplant	OG = Oranges	WM = Watermelon
GB = Green Beans	OJ = Orange Juice	WS = Winter Squash
GF = Grapefruit	PD = Plums, Dried (Prunes)	

Appendix L

Import vs. Domestic Pesticide Residue Comparisons

PDP is designed to provide a comprehensive statistical picture of pesticide residues in the U.S. food supply, representing all sources, including imports. Most commodities consumed are generally produced in the United States with import components that vary by commodity. However, several commodities tested over the past several years were cyclical; that is, part of the year the commodity was produced domestically and part of the year it was imported.

Appendix L compares residue data reported for samples originating in the United States with those of the same commodity from major exporting countries. Residue data for domestic winter squash are compared with data for samples originating in Mexico for 2005 only. Residue data for grapes from the United States are compared with data for samples originating in Chile for 2004 and 2005. For cantaloupe, 2003-2005 data from Costa Rica, Guatemala, Honduras, and Nicaragua were combined and compared with data from the United States. Only residues detected in more than 10 percent of all samples are included in each comparison. All pesticides detected were registered in the United States. However, the profiles of residue findings were markedly different in the United States samples versus samples from these exporting countries. The differences in residue detections between countries were likely due to the pesticides used in response to pest pressures based on differing environmental, climatic, and growing conditions.

Appendix L. Import vs. Domestic Pesticide Residue Comparisons

2005 Distribution of Residues for Winter Squash United States Samples vs. Samples Originating in Mexico

Origin	Year	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	# of Residues Detected
United States	2005	408	177	43.4	250
Mexico	2005	258	98	38.0	147

2005 Distribution of Residues for Winter Squash Samples Originating in Mexico vs. United States

(Only Pesticides with Residue Detections in at least 10 Percent of all Samples)

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections
Dieldrin	United States	408	48	11.8
	Mexico	258	0	0
Endosulfan sulfate	United States	408	46	11.3
	Mexico	258	57	22.1
o-Phenylphenol	United States Mexico	376 250	72 50	19.1 20.0

NOTE: The Limits of Detection (LODs) for pesticide detections in winter squash are listed in Appendix B.

2004-2005 Distribution of Residues for Grapes United States Samples vs. Samples Originating in Chile

Origin	Year	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	# of Residues Detected
United States	2004	390	271	69.5	473
	2005	371	215	58.0	397
	2004-2005	761	486	63.9	870
Chile	2004	287	256	89.2	768
	2005	284	244	85.9	737
	2004-2005	571	500	87.6	1,505

2004-2005 Distribution of Residues for Grape Samples Originating in Chile vs. United States

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections
Captan	United States	726	18	2.5
	Chile	571	235	41.2
Chlorpyrifos	United States	761	15	2.0
	Chile	571	162	28.4
Cyprodinil	United States	761	172	22.6
	Chile	571	201	35.2
Ethephon	United States	186	106	57.0
	Chile	255	44	17.3
Fludioxonil	United States	761	9	1.2
	Chile	571	176	30.8
Imidacloprid	United States	761	120	15.8
	Chile	571	80	14.0
Iprodione	United States	761	22	2.9
	Chile	571	166	29.1
Myclobutanil	United States	761	141	18.5
	Chile	571	53	9.3

NOTE: The Limits of Detection (LODs) for pesticide detections in grapes are listed in Appendix B.

2003-2005 Distribution of Residues for Cantaloupe United States Samples vs. Samples Originating in Central America¹

Origin	Year	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	# of Residues Detected
United States	2003	144	69	47.9	84
	2004	394	132	33.5	165
	2005	269	102	37.9	141
	2003-2005	807	303	37.5	390
Central America ¹	2003	35	33	94.3	52
	2004	325	258	79.4	436
	2005	262	173	66.0	281
	2003-2005	622	464	74.6	769

2003-2005 Distribution of Residues for Cantaloupe Samples Originating in Central America¹ vs. United States (Only Pesticides with Residue Detections in at least 10 Percent of all Samples)

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections
Endosulfan sulfate	United States	807	192	23.8
	Central America ¹	622	372	59.8
Methomyl	United States	807	37	4.6
	Central America ¹	622	205	33.0

¹ Combined findings from Costa Rica, Guatemala, Honduras, and Nicaragua.

NOTE: The Limits of Detection (LODs) for pesticide detections in cantaloupe are listed in Appendix B.

Appendix M

National Estimates for Concentration Percentiles vs. Tolerance

(Pairs With Residue Detections in at Least 10 Percent of Samples)

Appendix M shows 78 pesticide/commodity pairs (including metabolites, isomers, and degradates) with detections in at least 10 percent of the samples tested. Concentrations detected are arranged in percentiles. The 90th percentile is compared to the Environmental Protection Agency tolerance established for each pesticide/ commodity pair.

The meaning of a percentile can be most easily explained through an example. For the apples/thiabendazole pair, the 50th percentile, or median, is estimated to be 0.13 ppm. This means that PDP estimates that at least 50 percent of apples available to U.S. consumers had thiabendazole residues of 0.13 ppm or less, while at least 50 percent had residues of 0.13 ppm or more. Similarly, the 75th percentile (or the upper quartile) for this pair is estimated to be 0.49 ppm, which means that at least 25 percent of apples had thiabendazole residues of 0.49 ppm or less, while at least 25 percent had residues of 0.49 ppm or more. Finally, the 90th percentile is estimated to be 1.2 ppm, meaning that at least 90 percent of all apples had thiabendazole residues of 1.2 ppm or more.

Percent detections and percentiles for apples, cantaloupe, cauliflower, eggplant, grapefruit, grapes, lettuce, oranges, pears, plums, strawberries, and winter squash were weighted based on marketing data.

	% of Samples with	Mean	(ppm) ²	Per	centiles (p	pm)	Ratio of 90th Percentile
Commodity / Pesticide	Detections	Lower	Upper	50th	75th	90th	to Tolerance
1 Apples (W)							
Acetamiprid	80.0	0.014	0.014	0.007	0.019	0.036	0.036
Azinphos methyl	32.4	0.017	0.024	*	0.02	0.06	0.037
Carbendazim (MBC)	20.0	0.004	0.004	*	*	0.004	0.001
Diphenylamine	81.5	0.37	0.37	0.041	0.57	1.2	0.12
Imidacloprid	26.1	0.001	0.003	*	*	0.002	0.004
Phosmet	20.6	0.010	0.013	*	*	0.028	0.003
Tetrahydrophthalimide (THPI)	14.8	0.030	0.057	*	*	0.092	0.004
Thiabendazole	87.9	0.41	0.42	0.13	0.49	1.2	0.12
2 Cantaloupe (W) (January - Se	ptember onlv)						
Endosulfan sulfate	19.4	0.004	0.009	*	*	0.018	0.009
Methomyl	11.1	0.005	0.016	*	*	0.014	0.070
3 Cauliflower (W)							
Imidacloprid	84.8	0.003	0.003	0.001	0.003	0.007	0.002
4 Eggplant (W)							
Endosulfan sulfate	11.9	0.002	0.008	*	*	0.007	0.004
5 Grapefruit (W)							
Imazalil	49.2	0.046	0.066	*	0.075	0.12	0.012
o-Phenylphenol	10.1	0.002	0.058	*	< 0.001	0.012	0.001
Thiabendazole	34.0	0.037	0.057	*	0.055	0.13	0.013
6 Grapes (W)							
Captan	13.0	0.013	0.020	*	*	0.030	0.001
Chlorpyrifos	10.5	0.003	0.006	*	*	0.004	0.009
Cyprodinil	26.9	0.040	0.046	*	0.011	0.12	0.060
Fludioxonil	11.2	0.012	0.023	*	*	0.029	0.029
Imidacloprid	18.6	0.008	0.016	*	*	0.022	0.022
Iprodione	14.0	0.027	0.045	*	*	0.057	0.001
Myclobutanil	16.8	0.011	0.030	*	*	0.050	0.050
Tetrahydrophthalimide (THPI)	8.5	0.014	0.073	*	*	*	<0.001
7 Green Beans, Frozen (April - D	••						
Acephate	26.8	0.033	0.036	*	0.006	0.075	0.025
Bifenthrin	12.6	0.003	0.010	*	*	0.014	0.023
Methamidophos	25.4	0.014	0.017	*	0.003	0.041	0.041
Vinclozolin	47.4	0.024	0.025	*	0.031	0.072	0.036
B Heavy Cream (in parts per billion							
Cyaholothrin, Total	23.0	0.75	1.9	*	*	3.8	0.019
DDE p,p'	86.7	3.6	3.7	2.0	5.3	8.0	0.006
Dieldrin	33.1	0.56	1.1	*	0.91	1.9	0.065
Diphenylamine	82.7	1.2	1.3	1.1	1.9	1.9	0.19
Endosulfan sulfate	15.2	0.63	0.89	*	*	0.55	0.001

APPENDIX M. NATIONAL ESTIMATES FOR CONCENTRATION PERCENTILES vs. TOLERANCE (Pairs With Residue Detections in at Least 10 Percent of Samples ¹)

		% of						Ratio of	
		Samples with		(ppm) ²		centiles (p	. /	90th Percentile	
Cor	nmodity / Pesticide	Detections	Lower	Upper	50th	75th	90th	to Tolerance	
9	Lettuce (W)								
	Acetamiprid	15.9	0.004	0.004	*	*	0.003	0.017	
	Cyhalothrin, Lambda	10.3	0.006	0.011	*	*	0.007	0.002	
	Cyaholothrin, Total	12.3	0.008	0.013	*	*	0.015	0.008	
	DCPA	30.6	0.002	0.003	*	0.001	0.005	0.003	
	DDE p,p'	14.6	0.001	0.003	*	*	0.004	0.007	
	Diazinon	13.3	0.001	0.002	*	*	0.003	0.005	
	Dimethoate	10.0	0.001	0.003	*	*	0.002	0.001	
	Dimethomorph	28.1	0.074	0.089	*	0.003	0.10	0.010	
	Imidacloprid	73.0	0.010	0.012	0.003	0.012	0.028	0.008	
	Methomyl	13.3	0.015	0.019	*	*	0.006	0.001	
	Permethrin cis	11.9	0.003	0.005	*	*	0.012	NT	
	Permethrin trans	19.7	0.038	0.045	*	*	0.069	0.003	
	o-Phenylphenol	17.6	0.035	0.041	*	*	0.047	0.002	
10	Milk (in parts per billion)								
10	Cyaholothrin, Total	20.8	0.078	0.20	*	*	0.38	0.002	
	DDE p,p'	85.4	0.44	0.20	0.19	0.43	0.85	0.002	
	Dieldrin	23.2	0.040	0.40	*	*	0.20	0.001	
	Diphenylamine	91.6	0.34	0.10	0.15	0.21	0.56	0.056	
	Endosulfan sulfate	15.4	0.024	0.049	*	*	0.075	< 0.001	
		10.4	0.024	0.040			0.070	< 0.001	
11	Orange Juice								
	o-Phenylphenol	52.0	0.014	0.019	0.012	0.026	0.032	0.003	
12	Oranges (W)								
	Imazalil	74.2	0.095	0.10	0.075	0.13	0.21	0.021	
	o-Phenylphenol	32.8	0.009	0.015	*	0.019	0.032	0.003	
	Thiabendazole	44.8	0.050	0.067	*	0.075	0.14	0.014	
13	Pears (W) (January - Septembe	er only)							
	Azinphos methyl	24.8	0.012	0.020	*	*	0.040	0.027	
	Captan	11.5	0.027	0.035	*	*	0.019	0.001	
	Carbaryl	9.8	0.007	0.014	*	*	*	< 0.001	
	o-Phenylphenol	15.5	0.18	0.19	*	*	0.036	0.001	
	Phosmet	14.0	0.018	0.023	*	*	0.022	0.002	
	Thiabendazole	68.5	0.41	0.42	0.23	0.62	1.1	0.11	
14	Plums (W)								
	Fludioxonil	31.9	0.10	0.18	*	0.19	0.34	0.068	
	Iprodione	11.9	0.18	0.21	*	*	0.35	0.018	
	Phosmet	29.3	0.007	0.009	*	0.006	0.015	0.003	
15	Soybeans (in parts per billion)								
	Chlorpyrifos	14.5	1.3	3.8	*	*	5.5	0.018	

		% of Samples with	Mean	(ppm) ²	Per	centiles (p	(mag	Ratio of 90th Percentile
Cor	nmodity / Pesticide	Detections	Lower	Upper	50th	75th	90th	to Tolerance
16	Strawberries (W)							
	Captan	63.6	0.31	0.32	0.008	0.32	0,81	0.032
	Cyprodinil	14.4	0.040	0.10	*	*	0.11	0.022
	Fenhexamid	30.2	0.063	0.088	*	0.057	0.21	0.070
	Fenpropathrin	12.3	0.014	0.024	*	*	0.023	0.012
	Fludioxonil	18.5	0.022	0.037	*	*	0.087	0.044
	Malathion	17.1	0.004	0.006	*	*	0.009	0.001
	Methomyl	14.8	0.053	0.065	*	*	0.092	0.046
	Myclobutanil	37.8	0.018	0.023	*	0.008	0.056	0.11
	Tetrahydrophthalimide (THPI)	61.7	0.24	0.25	0.13	0.34	0.54	0.022
	Triazole alanine (TA)	11.9	0.010	0.043	*	*	0.044	NT
17	Wheat (in parts per billion)							
	Chlorpyrifos methyl	23.1	29.6	44.2	*	*	60.8	0.10
	Malathion	66.9	55.6	56.6	11.0	45.0	119.0	0.015
18	Winter Squash (W)							
	Endosulfan sulfate	17.6	0.003	0.009	*	*	0.016	0.008
	o-Phenylphenol	18.1	0.004	0.011	*	*	0.019	NT

<u>NOTES</u>

¹ Includes some pairs with detections in more than 10 percent of the samples, but with estimated detections in less than 10 percent of the population. Excludes pairs with less than 100 sample observations.

² The mean is estimated with a range of values. The lower bound is calculated with non-detections valued at zero. The upper bound is calculated using the LOD.

* The percentile value is estimated to be below the Limit of Detection (LOD)

(W) Weighted for utilization. The Percent of Samples with Detections was recalculated to reflect national estimates.

NT No Tolerance established.

Appendix N

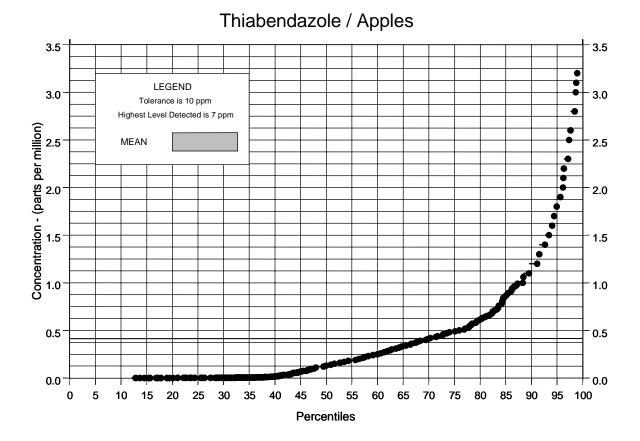
Cumulative Distributions of Residues for Selected Pesticide/ Commodity Pairs

In Appendix N, the concentrations detected (in parts per million, except where otherwise noted) are plotted versus the calculated percentiles for the following 12 pesticide/commodity pairs:

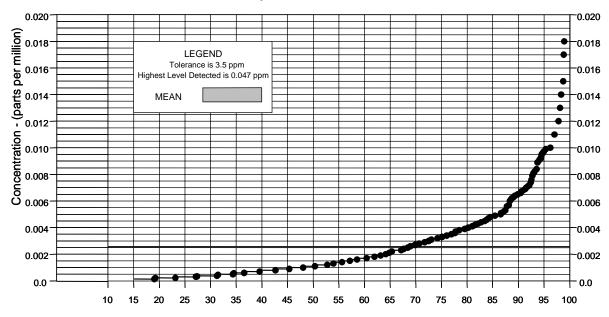
Thiabendazole / Apples Imidacloprid / Cauliflower Imazalil / Grapefruit Vinclozolin / Green Beans (Frozen) Imazalil / Oranges DCPA / Lettuce Azinphos methyl / Pears Iprodione / Plums Captan / Strawberries THPI / Strawberries DDE p,p' / Heavy Cream Malathion / Wheat

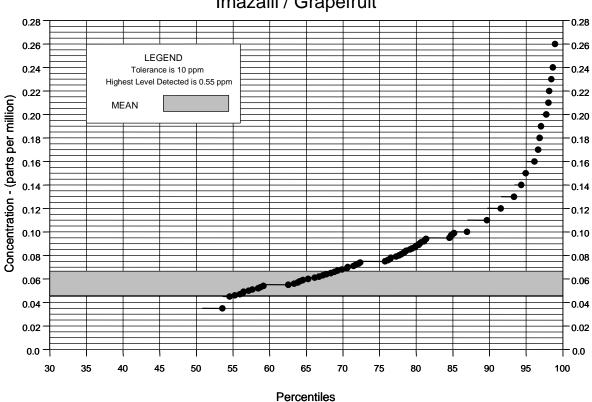
The distribution of residues for all of the PDP pesticide/commodity pairs has the For each pesticide/commodity pair, the highest percentile same curved shape. graphed in the appendix (99th) is lower than the highest concentration detected in the sample (refer to the value shown in each graph's legend). Inclusion of the highest concentration would cause graph distortion, which would obscure concentrations in the low ranges. The tolerance for the pesticide/commodity pair is also indicated in the legend of each graph. The large dots show the percentage of the commodity at or below a given level of residue concentration. For example, an estimated 50 percent of apples available to U.S. consumers in 2005 had thiabendazole residue concentrations of 0.13 ppm or less. The solid lines, tailing the large dots, depict percentage values. The lowest value of these solid lines indicates the estimated percentage of the commodity available to U.S. consumers with no detectable residues. For thiabendazole in apples, this is 13 percent. The shaded bar denotes the range of values estimated for the mean. In some cases, there is convergence of the mean upper and lower bound into a single line due to the insignificant differences between them. For thiabendazole in apples, the mean range is approximately 0.41 – 0.42 ppm, corresponding to the 70th percentile.

Appendix N. Cumulative Distributions of Residues for Selected Pesticide/Commodity Pairs



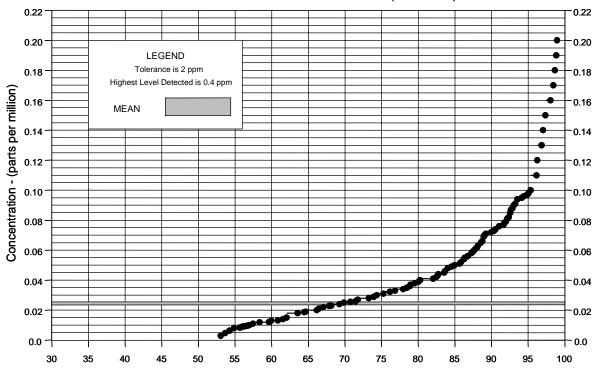
Imidacloprid / Cauliflower

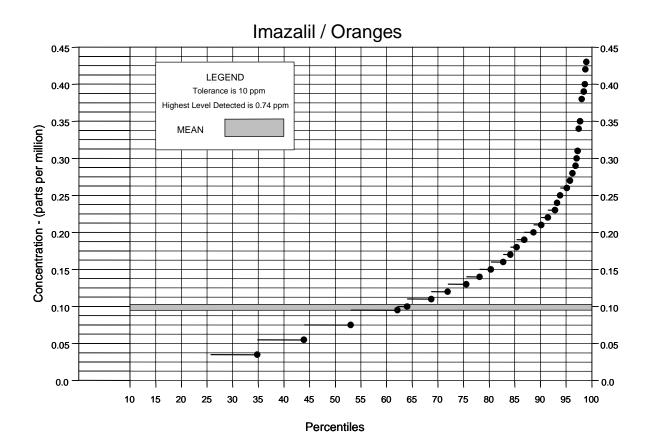


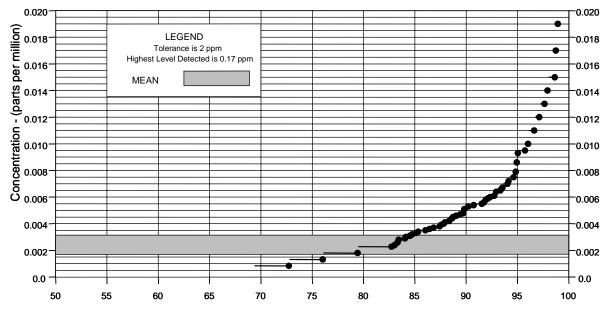


Imazalil / Grapefruit

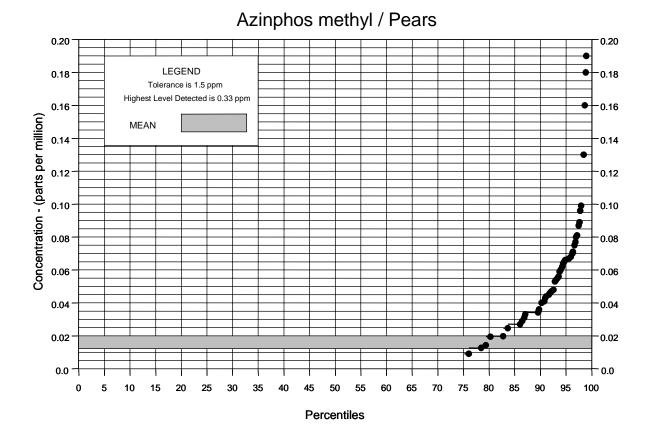
Vinclozolin / Green Beans (Frozen)



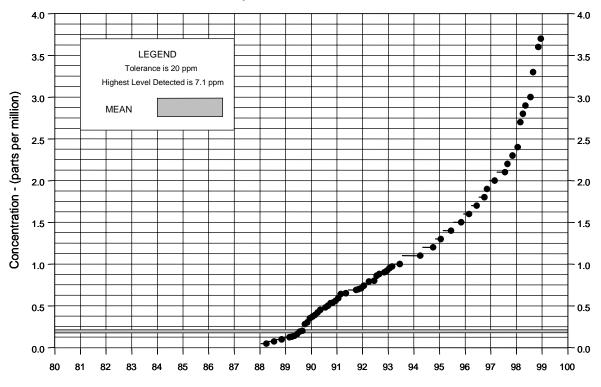




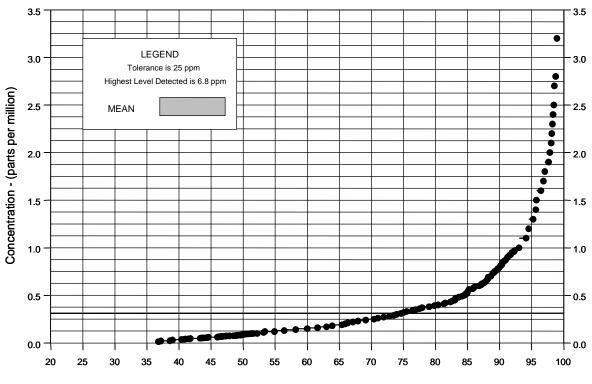
DCPA / Lettuce



Iprodione / Plums



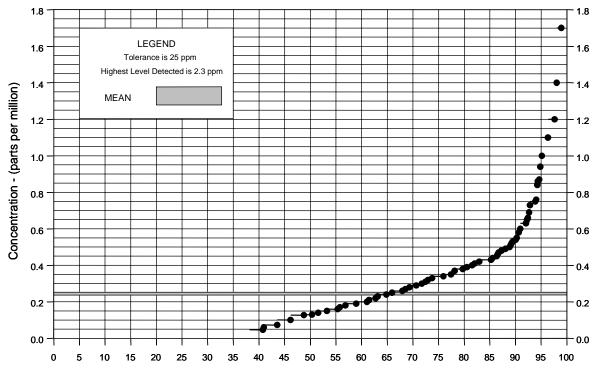
Percentiles

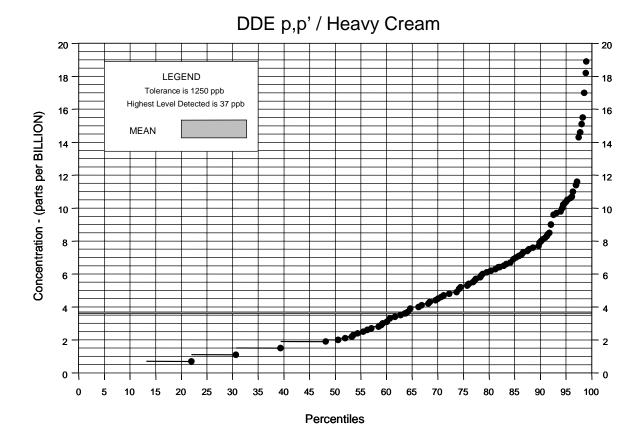


Captan / Strawberries

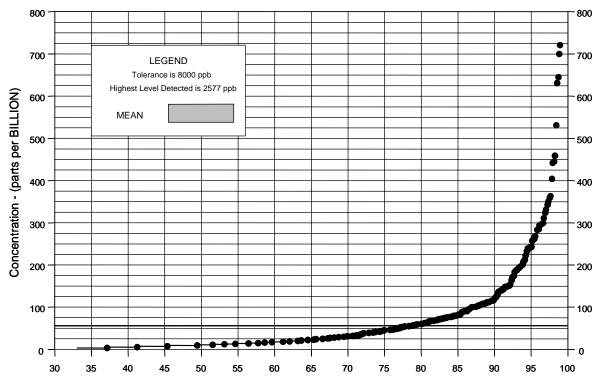
Percentiles

THPI (Captan metabolite) / Strawberries





Malathion / Wheat



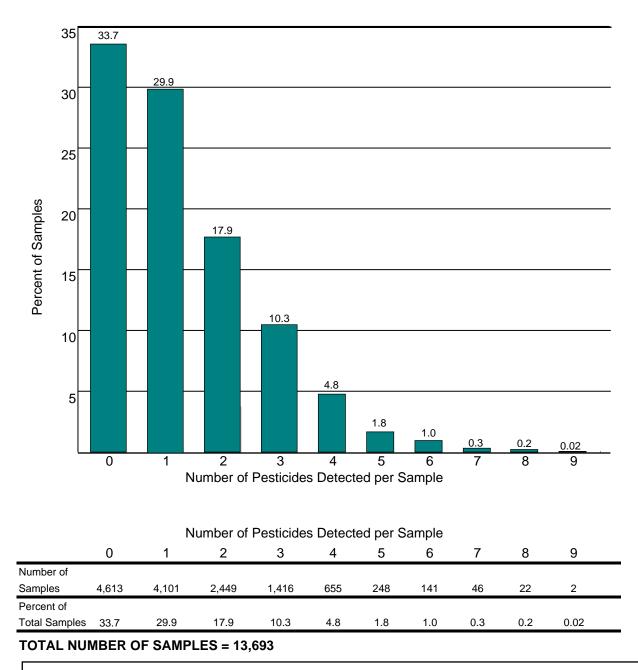
Percentiles

Appendix O

Number of Pesticides Detected per Sample

Appendix O shows the percentage of samples versus the number of pesticides detected per sample, excluding drinking water and the soybean rust/aphid special survey. The graph and data on page 1 show the overall number of samples and percentages (of total number of samples analyzed) for each detection group across all commodities. The table on page 2 shows the number of pesticides detected by individual commodity. For the 13,693 samples analyzed, 33.7 percent of the samples had no detectable pesticides, 29.9 percent had 1 pesticide, and 36.4 percent of the samples had more than 1 pesticide.

This appendix reports the number of distinct pesticides rather than residues, as was reported in summaries prior to 2003. A parent compound and its metabolites are reported as a single pesticide. For example, a single application of the pesticide endosulfan may result in residues of the parent compound endosulfan I, its endosulfan II isomer, and its endosulfan sulfate metabolite. Thus, three residue detections could result from the use of a single pesticide. In the 2002 and previous summaries, the corresponding appendix would have counted these results as three distinct residues, while this appendix counts the findings as just one distinct pesticide.



APPENDIX O. SAMPLES vs. NUMBER OF PESTICIDES¹ DETECTED PER SAMPLE²

Multiple pesticide detections may result from: application of more than one pesticide, spray drift, crop rotation, cross-contamination, and/or indicate the presence of environmental contaminants.

<u>NOTES</u>

Parent compounds and their metabolites are combined to report the number of "pesticides" rather than the number of "residues," as was reported in summaries prior to 2003. For example, a sample with positive detections for Endosulfan I, II, and sulfate would have been counted as three residues detected in the 2002 Appendix L. That same sample would be counted as just one pesticide detected in this appendix.

² Excludes drinking water and soybean rust/aphid special survey samples.

APPENDIX O. SAMPLES vs. NUMBER OF PESTICIDES DETECTED PER SAMPLE

Commodity (# of samples) 0 1 2 3 4 5 6 7 8 9 Fresh Fruit and Vegetables: Apples (743) 22 5.1 19.4 72.2 21.3 14.0 8.1 1.9 0.9 - Canillower (741) 12.3 71.0 13.5 2.3 0.7 0.1 -				Numbe	r of Pes	ticides ¹	Detect	ed per S	Sample ²	!	
Apples (743) 2.2 5.1 19.4 27.2 21.3 14.0 8.1 1.9 0.9 Cantilloupe (558) 48.4 32.8 14.3 3.2 1.3 <t< th=""><th>Commodity (# of samples)</th><th>0</th><th>1</th><th></th><th></th><th></th><th></th><th>-</th><th>-</th><th></th><th>9</th></t<>	Commodity (# of samples)	0	1					-	-		9
Apples (743) 2.2 5.1 19.4 27.2 21.3 14.0 8.1 1.9 0.9 Cantiloque (56) 48.4 32.8 14.3 3.2 1.3	Fresh Fruit and Vegetables:					Per	cent				
Caratologe (568) 48.4 32.8 1.3 <td>-</td> <td>2.2</td> <td>5.1</td> <td>19.4</td> <td>27.2</td> <td></td> <td></td> <td>8.1</td> <td>1.9</td> <td>0.9</td> <td></td>	-	2.2	5.1	19.4	27.2			8.1	1.9	0.9	
Eggplant (736) 76.6 16.4 6.3 0.5 0.1 Pears (573) 25		48.4	32.8	14.3	3.2	1.3					
Grapefruit (742) 36.7 45.7 12.5 4.7 0.4	Cauliflower (741)	12.3	71.0	13.6	2.3	0.7	0.1				
Grapes (739) 29.6 26.7 20.6 11.4 6.8 2.7 1.8 0.4 0.1 Green Beans (181) 8.3 17.1 41.4 23.8 8.3 0.6 0.6 </td <td>Eggplant (736)</td> <td>76.6</td> <td>16.4</td> <td>6.3</td> <td>0.5</td> <td>0.1</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Eggplant (736)	76.6	16.4	6.3	0.5	0.1					
Green Beans (181) 8.3 17.1 41.4 23.8 8.3 0.6 0.6	Grapefruit (742)	36.7	45.7	12.5	4.7	0.4					
Lettuce (743) 6.3 18.8 23.7 15.5 15.9 7.9 6.1 3.6 1.9 0.3 Oranges (741) 9.6 37.0 37.8 14.3 1.3	Grapes (739)	29.6	26.7	20.6	11.4	6.8	2.7	1.8	0.4	0.1	
Oranges (741) 9.6 37.0 37.8 14.3 1.3 <t< td=""><td>Green Beans (181)</td><td>8.3</td><td>17.1</td><td>41.4</td><td>23.8</td><td>8.3</td><td>0.6</td><td>0.6</td><td></td><td></td><td></td></t<>	Green Beans (181)	8.3	17.1	41.4	23.8	8.3	0.6	0.6			
Pears (55) 14.8 42.3 19.3 13.0 8.6 1.1 0.9 Plums (573) 25.7 43.8 23.0 6.3 1.0 0.2	Lettuce (743)						7.9	6.1	3.6	1.9	0.3
Plums (57) 25.7 43.8 23.0 6.3 1.0 0.2 Strawberries (737) 7.1 23.1 27.8 22.5 14.2 3.4 1.6 0.3 Watemelon (182) 61.5 25.3 10.4 2.2 0.5 Winter Squash (731) 57.2 30.6 8.9 2.7 0.4 0.1	Oranges (741)	9.6			14.3						
Strawberries (737) 7.1 23.1 27.8 22.5 14.2 3.4 1.6 0.3 Watermelon (182) 61.5 25.3 10.4 2.2 0.5	Pears (555)	14.8			13.0			0.9			
Watermeion (182) 61.5 25.3 10.4 2.2 0.5						1.0	0.2				
Winter Squash (731) 57.2 30.6 8.9 2.7 0.4 0.1 Processed Fruit and Vegetables: Green Beans, Frozen (555) 22.3 43.8 15.7 13.5 3.8 0.7 0.2							3.4	1.6	0.3		
Processed Fruit and Vegetables: Green Beans, Frozen (555) 22.3 43.8 15.7 13.5 3.8 0.7 0.2 Orange Juice (744) 42.2 54.6 2.8 0.3 0.1											
Green Beans, Frozen (555) 22.3 43.8 15.7 13.5 3.8 0.7 0.2 Orange Juice (744) 42.2 54.6 2.8 0.3 0.1	Winter Squash (731)	57.2	30.6	8.9	2.7	0.4	0.1				
Orange Juice (744) 42.2 54.6 2.8 0.3 0.1	Processed Fruit and Vegetabl	es:									
Plums, Dried (153) 86.9 10.5 2.0 0.7 -	Green Beans, Frozen (555)	22.3	43.8	15.7	13.5	3.8	0.7	0.2			
Percent of Total Samples 29.0 33.9 17.6 9.8 5.4 2.2 1.3 0.5 0.2 0.02 Actual Number of Samples 2,947 3,440 1,786 1,000 552 222 137 46 22 2 TOTAL NUMBER OF FRUIT & VEGETABLE SAMPLES = 10,154 Grain Products: Soybeans (668) 78.4 20.7 0.9 -	Orange Juice (744)	42.2	54.6	2.8	0.3	0.1					
Actual Number of Samples 2,947 3,440 1,786 1,000 552 222 137 46 22 2 TOTAL NUMBER OF FRUIT & VEGETABLE SAMPLES = 10,154 Grain Products: Soybeans (668) 78.4 20.7 0.9 <	Plums, Dried (153)	86.9	10.5	2.0	0.7						
TOTAL NUMBER OF FRUIT & VEGETABLE SAMPLES = 10,154 Grain Products: Soybeans (668) 78.4 20.7 0.9 <	Percent of Total Samples	29.0	33.9	17.6	9.8	5.4	2.2	1.3	0.5	0.2	0.02
Grain Products: Soybeans (668) 78.4 20.7 0.9	Actual Number of Samples	2,947	3,440	1,786	1,000	552	222	137	46	22	2
Soybeans (668) 78.4 20.7 0.9	TOTAL NUMBER OF FRUIT &	VEGETA	BLE SA	MPLES =	= 10,154						
Soybeans (668) 78.4 20.7 0.9	Grain Products:										
Wheat (674) 24.6 46.9 21.4 6.8 0.3		78.4	20.7	0.9							
Actual Number of Samples 690 454 150 46 2		24.6	46.9	21.4	6.8	0.3					
Dairy Products: Heavy Cream (369) 0.8 10 43.6 36.6 8.1 0.8 <td< td=""><td>Percent of Total Samples</td><td>51.4</td><td>33.8</td><td>11.2</td><td>3.4</td><td>0.1</td><td></td><td></td><td></td><td></td><td></td></td<>	Percent of Total Samples	51.4	33.8	11.2	3.4	0.1					
Heavy Cream (369) 0.8 10 43.6 36.6 8.1 0.8	Actual Number of Samples	690	454	150	46	2					
Heavy Cream (369) 0.8 10 43.6 36.6 8.1 0.8	Dairy Products:										
Milk (746) 1.1 9.7 45.7 30.6 9.4 3.1 0.5 Percent of Total Samples 1.0 9.8 45.0 32.6 9 2.3 0.4 Actual Number of Samples 11 109 502 363 100 26 4 Meat Tissues: Pork, Adipose (352) 88.6 9.7 1.4 0.3	-	0.8	10	43.6	36.6	8.1	0.8				
Actual Number of Samples 11 109 502 363 100 26 4 Meat Tissues: Pork, Adipose (352) 88.6 9.7 1.4 0.3											
Meat Tissues: Pork, Adipose (352) 88.6 9.7 1.4 0.3	Percent of Total Samples	1.0	9.8	45.0	32.6	9	2.3	0.4			
Pork, Adipose (352) 88.6 9.7 1.4 0.3	Actual Number of Samples	11	109	502	363	100	26	4			
Pork, Adipose (352) 88.6 9.7 1.4 0.3	Meat Tissues:										
Pork, Muscle (352) 94.9 4.8 0.3 <		88.6	9.7	1.4	0.3						
Percent of Total Samples 91.8 7.2 0.9 0.1	,										
Actual Number of Samples 646 51 6 1	. , ,		7.2		0.1						
Water Product: Bottled Water (378) 84.4 12.4 1.3 1.6 0.3 <td>·</td> <td></td>	·										
Bottled Water (378) 84.4 12.4 1.3 1.6 0.3	· ·	-		-							
Actual Number of Samples 319 47 5 6 1		84.4	12.4	1.3	1.6	0.3					
	Actual Number of Samples	319	47	5	6	1					

<u>NOTES</u>

¹ Parent compounds and their metabolites are combined to report the number of "pesticides" rather than the number of "residues."

 $^2\,$ Excludes the 750 drinking water samples and 306 soybean rust/aphid special survey samples.

Appendix P

Fruit and Vegetable Samples Reported to FDA as Exceeding the Tolerance or Without Established Tolerance

(per Code of Federal Regulations, Title 40, Part 180)

Appendix P shows residues reported to FDA as exceeding the tolerance or residues for which no established tolerance was listed under the Code of Federal Regulations (CFR), Title 40, Part 180. In 2005, a total of 593 samples with 599 residues were reported to the FDA as Presumptive Tolerance Violations.

A total of 22 fruit and vegetable samples, 2 pork adipose samples, and 1 soybean sample, were found to have residues at levels exceeding the established tolerance. Fruit and vegetable samples containing a residue exceeding an established tolerance included 1 cantaloupe sample, 6 eggplant samples, 4 plum samples, 6 strawberry samples, 1 watermelon sample, and 4 winter squash samples. Of those 25 samples, 8 were reported as imported produce.

In addition, 572 fruit and vegetable samples were found to have residues for which no tolerance was established.

- 570 samples contained 1 residue for which no tolerance was established.
- 2 samples contained 2 residues for which no tolerance was established.

Four of the 572 samples also contained 1 residue each that exceeded an established tolerance.

The columns under the Sample Origin heading provide the number of samples that were of domestic, import, or unknown origin for each pesticide/commodity pair listed.

Appendix P also notes if metabolites (or isomers) were detected as part of the same sample. In instances where both parent and metabolite (or isomer) were detected, PDP accounted for both as part of the same tolerance expression.

APPENDIX P. SAMPLES REPORTED TO FDA AS EXCEEDING THE TOLERANCE OR WITHOUT ESTABLISHED TOLERANCE (per Code of Federal Regulations, Title 40, Part 180)

Residues Exceeding Established Tolerance

Со	nmodity / Pesticide	Limit of Detection, ppm	Concentration Detected, ppm	EPA Tolerance Level, ppm	Sample Origin
1	Cantaloupe / Acephate	0.005	0.21	0.02	U.S.
2	Eggplant / Acephate	0.005	0.3	0.02	U.S.
3	Eggplant / Acephate	0.005	0.27	0.02	U.S.
4	Eggplant / Acephate	0.005	0.13	0.02	U.S.
5	Eggplant / Acephate	0.005	0.12	0.02	U.S.
6	Eggplant / Acephate	0.005	0.07	0.02	U.S.
7	Eggplant / Acephate	0.005	0.055	0.02	U.S.
8	Plums / Chlorpyrifos	0.008	0.12	0.05	Import
9	Plums / Chlorpyrifos	0.008	0.069	0.05	Import
10	Plums / Chlorpyrifos	0.008	0.062	0.05	Import
11	Plums / Esfenvalerate	0.06	0.1	0.05	U.S.
12	Pork, Adipose / 1-Naphthol (Carbaryl metabolite)	3 (ppb)	188 (ppb)	100 (ppb)	U.S.
13	Pork, Adipose / Piperonyl butoxide	6 (ppb)	179 (ppb)	100 (ppb)	U.S.
14	Soybean Grain / Trifluralin	2 (ppb)	78.1 (ppb)	50 (ppb)	U.S.
15	Strawberries / Cyhalothrin, Lambda	0.006	0.14	0.01	U.S.
16	Strawberries / Cyhalothrin, Lambda	0.006	0.036	0.01	U.S.
17	Strawberries / Cyhalothrin, Total (Cyhalothrin-L + R157836 epimer)	0.008	0.17	0.01	U.S.
18	Strawberries / Cyhalothrin, Total (Cyhalothrin-L + R157836 epimer)	0.008	0.046	0.01	U.S.
19	Strawberries / Myclobutanil	0.001	0.69	0.50	U.S.
20	Strawberries / Myclobutanil	0.001	0.63	0.50	U.S.
21	Watermelon / Acephate	0.002	0.71	0.02	Import
22	Winter Squash / Acephate	0.002	0.051	0.02	Import
23	Winter Squash / Methamidophos	0.002	0.17	0.02	Import
24	Winter Squash / Methamidophos	0.004	0.062	0.02	Import
25	Winter Squash / Methamidophos	0.004	0.03	0.02	Import

Distribution of Residues with No Tolerance Listed in 40 CFR, Part 180, by Commodity/Pesticide

_		Number of	Samples	% of	Range of Values	Range of	Sample Origin		
Coi	mmodity / Pesticide	Samples	Reported	Samples	Detected, ppm	LODs, ppm	U.S.	Import	Unk.
1	Apples								
	1-Naphthol	54	2	3.7	0.017 - 0.11	0.010 ^	2	0	0
	Chlorpropham	528	1	0.2	0.010 ^	0.006 ^	1	0	0
	Diflubenzuron	469	23	4.9	0.011 - 0.14	0.007 ^	23	0	0
2	Cantaloupe								
	Diphenamid	396	1	0.3	0.030 ^	0.018 ^	0	1	0
	Diphenylamine (DPA)	540	4	0.7	0.014 ^	0.008 - 0.010	4	0	0
3									
	Chlorpropham	741	2	0.3	0.010 ^	0.006 ^	2	0	0
	Dimethomorph	741	2	0.3	0.003 ^	0.002 ^	2	0	0
	Fenbuconazole	604	4	0.7	0.002 - 0.004	0.0009 ^	4	0	0
	Methiocarb	711	1	0.1	0.001 ^	0.0006 ^	1	0	0
	o-Phenylphenol ¹	741	1	0.1	0.005 ^	0.003 ^	1	0	0
	Thiabendazole	741	14	1.9	0.0002 - 0.001	0.0001 - 0.0005	13	1	0
4	Eggplant								
	Chlorothalonil	736	10	1.4	0.012 - 0.073	0.007 ^	9	1	0
	o-Phenylphenol ¹	1	1	100	0.057 ^	0.010 ^	1	0	0
5	Grapefruit								
	Malathion oxygen analog	742	5	0.7	0.002 ^	0.001 - 0.003	5	0	0
6	Green Beans								
	Chlorpropham	127	1	0.8	0.038 ^	0.023 ^	1	0	0
	Oxamyl	126	1	0.8	0.10 ^	0.020 ^	1	0	0
	o-Phenylphenol ¹	51	31	60.8	0.017 - 0.020	0.010 ^	4	27	0
7	Green Beans, Frozen								
	o-Phenylphenol ¹	68	68	100	0.017 - 0.095	0.010 ^	58	10	0
8	Lettuce								
	Atrazine	527	1	0.2	0.006 ^	0.002 ^	1	0	0
	Carbendazim (MBC)	527	34	6.5	0.0002 - 0.0008	0.0001 - 0.0005	33	1	0
	Chlorothalonil	2	2	100	0.013 - 0.20	0.005 - 0.008	2	0	0
	Dicofol p,p'	527	1	0.2	0.005 ^	0.003 ^	1	0	0
	Fenbuconazole	440	1	0.2	0.002 ^	0.0009 ^	1	0	0
	Linuron	527	2	0.4	0.005 ^	0.003 ^	2	0	0
	Pentachloroaniline (PCA)	527	1	0.2	0.002 ^	0.001 ^	1	0	0
	o-Phenylphenol ¹	639	80	12.5	0.017 ^	0.003 - 0.010	78	2	0
	Thiabendazole	527	7	1.3	0.0005 - 0.001	0.0005 ^	7	0	0
	Thiamethoxam	527	1	0.2	0.025 ^	0.015 - 0.050	1	0	0
	Trifloxystrobin	118	1	0.8	0.0002 ^	0.0001 ^	1	0	0

ity /	Pesticide	Number of Samples		% of Samples	Range of Values Detected, ppm	Range of LODs, ppm		mple Or Import	•
9	Orange Juice								
	Permethrin cis ²	529	1	0.2	0.020 ^	0.012 - 0.015	1	0	0
	Permethrin trans ²	529	1	0.2	0.020 ^	0.012 - 0.015	1	0	0
10	Pears								
	1-Naphthol	90	10	11.1	0.017 - 0.24	0.010 ^	2	8	0
	Chlorothalonil	394	2	0.5	0.004 ^	0.002 ^	2	0	0
	Chlorpropham	394	1	0.3	0.018 ^	0.011 ^	0	0	1
	Dicloran	395	1	0.3	0.013 ^	0.004 - 0.008	1	0	0
	Ethion	394	1	0.3	0.13 ^	0.005 ^	1	0	0
	Iprodione	395	6	1.5	0.038 - 0.39	0.021 - 0.023	1	5	0
11	Strawberries								
	Dimethoate	1	1	100	0.003 ^	0.002 ^	1	0	0
	Malathion oxygen analog	737	16	2.2	0.002 - 0.030	0.0009 - 0.003	12	4	0
	o-Phenylphenol ¹	3	3	100	0.017 ^	0.010 ^	3	0	0
12	Watermelon								
	o-Phenylphenol ¹	123	28	22.8	0.017 ^	0.010 - 0.015	14	14	0
13	Wheat (in parts per billion)				(ppb)	(ppb)			
	Methoxychlor p,p'	674	40	5.9	8.0 - 21	5.0 ^	40	0	0
	Pirimiphos methyl	674	22	3.3	5.0 ^	3.0 ^	22	0	0
	RH 9129	594	4	0.7	8.0 - 81	5.0 ^	4	0	0
14	Winter Squash								
	Pendimethalin	518	2	0.4	0.027 ^	0.016 ^	2	0	0
	Phenmedipham	518	4	0.8	0.16 ^	0.097 ^	4	0	0
	o-Phenylphenol ¹	689	128	18.6	0.014 - 0.035	0.008 - 0.010	72	55	1

NOTES

¹ o-Phenylphenol is a disinfectant approved for use in food handling establishments, including production facilities for commodities identified above.

² Permethrin cis and trans isomers were detected within the same sample.

Note:

For those pesticide/commodity pairs where the minimum detected value is less than the limit of quantitation (three times the limit of detection), the reported values are estimates. In a few cases, this may apply to the maximum detected value.

PESTICIDE DATA PROGRAM

Annual Summary Calendar Year 2005

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