United States Department of Agriculture

Agricultural Marketing Service

Science and Technology Program

Pesticide Data Program

Annual Summary, Calendar Year 2016

Visit the program website at: www.ams.usda.gov/pdp

February 2018

February 2018

Dear Reader:

We are pleased to present the Pesticide Data Program's (PDP) 26th Annual Summary for calendar year 2016. The U.S. Department of Agriculture (USDA), Agricultural Marketing Service (AMS), conducts this program each year to collect data on pesticide residues in food. This report shows that when pesticide residues are found on foods, they are nearly always at levels below the tolerances set by the U.S. Environmental Protection Agency (EPA).

The PDP provides reliable data to help assure consumers that the food they feed themselves and their families is safe. Over 99 percent of the products sampled through PDP had residues below the EPA tolerances. Ultimately, if EPA determines a pesticide is not safe for human consumption, it is removed from the market.

The PDP tests a wide variety of domestic and imported foods, with a strong focus on foods that are consumed by infants and children. EPA relies on PDP data to conduct dietary risk assessments and to ensure that any pesticide residues in foods remain at safe levels. USDA uses the data to better understand the relationship of pesticide residues to agricultural practices and to enhance USDA's Integrated Pest Management objectives. USDA also works with U.S. growers to improve agricultural practices.

The PDP is not designed for enforcement of EPA pesticide residue tolerances. Rather, the U.S. Food and Drug Administration (FDA) is responsible for enforcing EPA tolerances. PDP provides FDA and EPA with monthly reports of pesticide residue testing and informs the FDA if residues detected exceed the EPA tolerance or have no EPA tolerance established.

The PDP works with State agencies representing all census regions of the country and approximately half of the U.S. population. In 2016, samples were collected and analyzed in California, Colorado, Florida, Maryland, Michigan, New York, North Carolina, Ohio, Texas, and Washington.

For more information about PDP, please visit our website at https://www.ams.usda.gov/datasets/pdp. For more information about pesticides and food, please visit EPA's website at http://www.epa.gov/safepestcontrol and FDA's website at http://www.fda.gov/Food/FoodborneIllnessContaminants/Pesticides.

Agricultural Marketing Service
1400 Independence Avenue, SW, Washington, DC 20250-0201
Voice (202) 720-8998 Fax (202) 720-7135

Contents

Figures **Page No.**

Tables

Appendixes A-J

Acknowledgements

The States participating in the Pesticide Data Program (PDP) deserve special recognition for their contributions to the program. The dedication and flexibility of sample collectors allow the U.S. Department of Agriculture's (USDA) Agricultural Marketing Service (AMS) to adjust sampling protocols when responding to changing trends in commodity distribution and availability. PDP acknowledges the contributions of the State laboratories in providing testing services to the program and the USDA National Agricultural Statistics Service for providing statistical support. PDP also acknowledges the exceptional support of the Health Effects Division staff of the U.S. Environmental Protection Agency, Office of Pesticide Programs, and the U.S. Food and Drug Administration, Center of Food Safety and Nutrition, Office of Food Safety, in helping to set the direction for PDP.

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

USDA Program Administration

Agricultural Marketing Service
Science and Technology Program
1400 Independence Ave., SW
South Building, Mail Stop 0270
Washington, DC 20250

Ruihong Guo, Ph.D., Deputy Administrator
Science and Technology Program
(202) 720-8556, Facsimile (202) 720-6496

Diana Haynes, Director
Monitoring Programs Division, AMS
1400 Independence Ave, SW
Room 0611-S, Stop 0276
Washington, DC 20250:
(202) 572-8167, Facsimile (202) 619-1724

Electronic-mail Address:

amsmpo.data@ams.usda.gov

Website:

http://www.ams.usda.gov/pdp

Participating State Agencies

California Department of Food and Agriculture
California Department of Pesticide Regulation
Colorado Department of Agriculture
Florida Department of Agriculture and Consumer Services
Maryland Department of Agriculture
Michigan Department of Agriculture and Rural Development
New York Department of Agriculture and Markets
North Carolina Department of Agriculture & Consumer Services
Ohio Department of Agriculture
Texas Department of Agriculture
Washington State Department of Agriculture

Participating Laboratories

California Department of Food and Agriculture
Division of Inspection Services
Center for Analytical Chemistry
3292 Meadowview Rd.
Sacramento, CA 95832

Florida Department of Agriculture and Consumer Services
Chemical Residue Laboratory
3125 Conner Blvd., Bldg. 3
Tallahassee, FL 32399-1650

Michigan Department of Agriculture and Rural Development
Laboratory Division
1615 South Harrison Rd.
East Lansing, MI 48823-5224

New York Department of Agriculture and Markets
Food Laboratory
6 Harriman Campus Road
Albany, NY 12235

Ohio Department of Agriculture
Consumer Analytical Laboratory
8995 East Main St.
Reynoldsburg, OH 43068

Texas Department of Agriculture
Pesticide Laboratory
1500 Research Parkway, Ste. B100
College Station, TX 77845

United States Department of Agriculture
Agricultural Marketing Service
National Science Laboratories
801 Summit Crossing Pl.
Gastonia, NC 28054

Washington State Department of Agriculture
Chemical and Hop Laboratory
21 N. 1st Ave., Ste. 106
Yakima, WA 98902

Executive Summary

In 1991, the U.S. Department of Agriculture (USDA), Agricultural Marketing Service (AMS), was charged with designing and implementing the Pesticide Data Program (PDP) to collect data on pesticide residues in food. PDP provides high-quality data on residues in food, particularly foods most likely consumed by infants and children. This 26th Pesticide Data Program summary presents results for samples collected in 2016.

This information is provided to the U.S. Environmental Protection Agency (EPA). Before a company can sell or distribute any pesticide in the United States, EPA reviews studies on the pesticide to ensure that it will not pose unreasonable risks to human health or the environment. Once EPA has made that determination, it will license or register that pesticide for use in strict accordance with label directions.

Before allowing a pesticide to be used on a food commodity, EPA sets limits on how much of a pesticide may be used on food during growing, processing, and storage, and how much can remain on the food that reaches the consumer. Government inspectors monitor food in interstate commerce to ensure that these limits are not exceeded. EPA also sets standards to protect workers from exposure to pesticides on the job.

AMS's Monitoring Programs Division (MPD) is responsible for the administration, planning, and coordination of day-to-day PDP operations. MPD meets regularly with EPA and other Government agencies to establish program priorities and direction. In 2016, sampling and/or testing program operations were carried out with the support of 10 States: California, Colorado, Florida, Maryland, Michigan, New York, North Carolina, Ohio, Texas, and Washington. These States had a prominent role in program planning and policy setting, particularly policies relating to quality assurance.

PDP commodity sampling is based on a rigorous statistical design that ensures the data are reliable for use in exposure assessments and can be used to draw various conclusions about the Nation's food supply. The pesticides and commodities to be included each year in the sampling are selected based on EPA data needs and take into account the types and amounts of food consumed by infants and children. The number of samples collected by the States is 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 the farm gate) and reflect what is typically available to the consumer throughout the year. Samples are selected without regard to country of origin, variety, growing season, or organic labeling.

Fresh and processed fruit and vegetables accounted for 90.3 percent of the total 10,365 samples collected in 2016. Other samples collected included eggs (2.8 percent) and milk (6.8 percent). Fresh and processed fruit and vegetables tested during 2016 were: apples, applesauce, cherries (fresh and frozen), cranberries (fresh and frozen), cucumbers, grapefruit, grapes, green beans, lettuce, olives (canned), oranges, pears, potatoes, spinach, strawberries, sweet potatoes, and tomatoes (fresh and canned). Domestic samples accounted for 81.2 percent of the samples while 18.3 percent were imports, and 0.5 percent were of unknown origin.

Because PDP data are mainly used for risk assessments, PDP laboratory methods are geared to detect the lowest possible levels of pesticide residues, even when those levels are well below the tolerances established by EPA. Prior to testing, PDP analysts washed samples for 15-20 seconds with gently running cold water as a consumer would do; no chemicals, soap, or any special wash was used. Results for more than 2 million analyses were reported by the laboratories in 2016 and are too numerous to be included in their entirety in this summary. The PDP database file for 2016, along with annual summaries and database files for previous years, are available on the PDP website at http://www.ams.usda.gov/pdp or by contacting MPD.

In 2016, over 99 percent of the samples tested had residues well below the tolerances established by the EPA with 23 percent having no detectable

pesticide residue. Appendixes B through E provide a distribution of residues by pesticide for the commodities tested. Residues exceeding the tolerance were detected in 0.46 percent (48 samples) of the total samples tested (10,365 samples). Of these 48 samples, 26 were domestic (54.2 percent), 20 were imported (41.7 percent), and 2 were of unknown origin (4.1 percent). Residues with no established tolerance were found in 2.6 percent (273 samples) of the total samples tested (10,365 samples). Of these 273 samples, 179 were domestic (65.6 percent), 90 were imported (32.9 percent), and 4 were of unknown origin (1.5 percent).

PDP is a voluntary program and is not designed for enforcement of tolerances. However, PDP informs the U.S. Food and Drug Administration and EPA if residues detected exceed the EPA tolerance or have no EPA tolerance established.

PDP laboratories also test foods for low levels of environmental contaminants that are no longer used in the United States, but due to their persistence in the environment, particularly in soil, can be taken up by plants. Results for environmental contaminants in all commodities are listed in Appendix E. More information on results is provided in the Sample Results and Discussion section of this summary.

PDP continually strives to improve methods for collecting, testing, and reporting 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 and to the public by hard copy, internet, or custom reports generated by MPD. Additional copies of the PDP Annual Summary may be obtained by mailing the form provided at the end of the Summary.

Disclaimer: Mention of a trade name or brand name does not constitute endorsement or recommendation by USDA over similar products or vendors.

Acronyms and Abbreviations

% C.V.	Percent Coefficient of Variation
A2LA	American Association for Laboratory Accreditation
AL	Action Level
AMS	Agricultural Marketing Service
BQL	Below Quantifiable Level
CSV	Comma-Separated Values
EPA	U.S. Environmental Protection Agency
e-SIF	Electronic Sample Information Form
FAPAS	Food Analysis Performance Assessment Scheme
FDA	U.S. Food and Drug Administration
FQPA	Food Quality Protection Act
GC	Gas Chromatography
HCB	Hexachlorobenzene
ISO	International Organization for Standardization
LC	Liquid Chromatography
LOD	Limit of Detection
LOQ	Limit of Quantitation
MPD	Monitoring Programs Division
MRM	Multiresidue Method
MS	Mass Spectrometry
NASS	National Agricultural Statistics Service
NSL	National Science Laboratories
PDP	Pesticide Data Program
PPS	Probability proportionate-to-size
PT	Proficiency Testing
QA	Quality Assurance
QAU	Quality Assurance Unit

QuEChERS	Quick, Easy, Cheap, Effective, Rugged and Safe
QC	Quality Control
RDE	Remote Data Entry
SIF	Sample Information Form
SOP	Standard Operating Procedure
SQL	Structured Query Language
USDA	United States Department of Agriculture

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 U.S. Department of Agriculture's (USDA) Agricultural Marketing Service (AMS) initiated the Pesticide Data Program (PDP) in 1991 to collect data on pesticide residues in food, and the program now has an important role in the implementation of the 1996 Food Quality Protection Act (FQPA). The 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 existing pesticide tolerances (Maximum Residue Limits). EPA establishes the tolerances after developing a risk assessment that considers the following: the pesticide exposure through diet and drinking water and from uses in and around the home; the cumulative exposure to two or more pesticides that cause a common toxic effect; the possibility of increased susceptibility to infants and children or other sensitive subpopulations from exposure to the pesticide; and the possibility that the pesticide produces an effect in people similar to an effect produced by a naturally occurring estrogen or produces other endocrine disruptions. PDP data also are used by the U.S. Food and Drug Administration (FDA) to assist in planning commodity surveys for pesticide residues for its enforcement and regulatory programs.

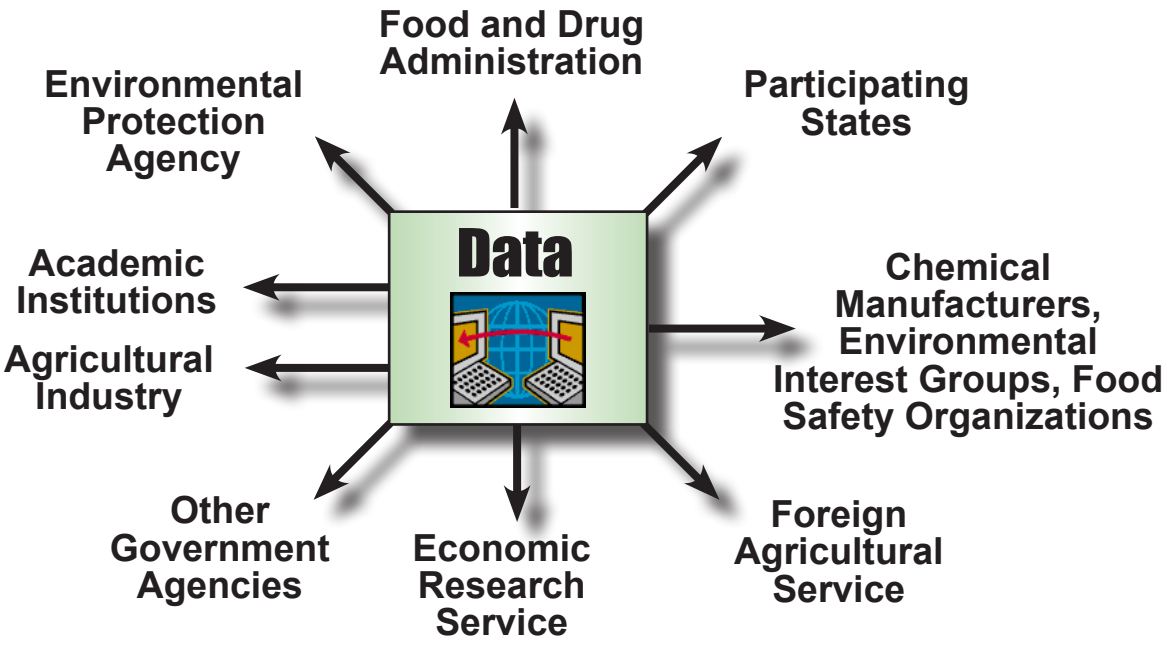
Because PDP collects data on food commodities primarily for exposure assessment, program operations differ markedly from those followed by regulatory monitoring programs for tolerance enforcement. Commodities chosen for inclusion in the program are based on EPA data needs. PDP samples are collected closer to the point of consumption and are prepared emulating consumer practices. PDP sampling does not impede commodity distribution. Laboratory operations are designed to achieve the lowest detectable levels rather than quick sample turnaround. As a dietary risk assessment support program, PDP tests for registered uses for the commodities in the program, as well as for pesticides that may not have U.S. tolerances but are used in other countries on commodities exported to the United States.

Figure 1(a) illustrates contributors to PDP 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, FDA, USDA's Economic Research Service and Foreign Agricultural Service, participating States, academic institutions, chemical manufacturers, environmental interest groups, food safety organizations, and groups within the private sector representing food producers. Other Federal, State, and foreign government agencies and industries have used PDP data to promote the export of U.S. commodities to international markets. Additionally, the Codex Alimentarius Committee on Pesticides Residues recognizes PDP methodologies as official and validated methods for the determination of pesticide residues in foods.

In 2016, sampling services were provided by 10 States (California, Colorado, Florida, Maryland, Michigan, New York, North Carolina, Ohio, Texas, and Washington). Laboratory services were provided by the States of California, Florida, Michigan, New York, Ohio, Texas, and Washington, along with the AMS National Science Laboratories (NSL). The AMS Monitoring Programs Division (MPD) is responsible for overall management of PDP.

Figure 2 shows the States that participate in program sampling and/or testing. Together, these States represent about 50 percent of the Nation's population and all four census regions of the United States. They also represent major U.S. producers of fruit and vegetables. MPD works closely with EPA and FDA to select commodities and pesticides for testing. The selected commodities represent the highest U.S. consumption, with an emphasis on

(a) PDP Policy and Planning Contributions



(b) PDP Data Users

Figure 1. Pesticide Data Program (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.*

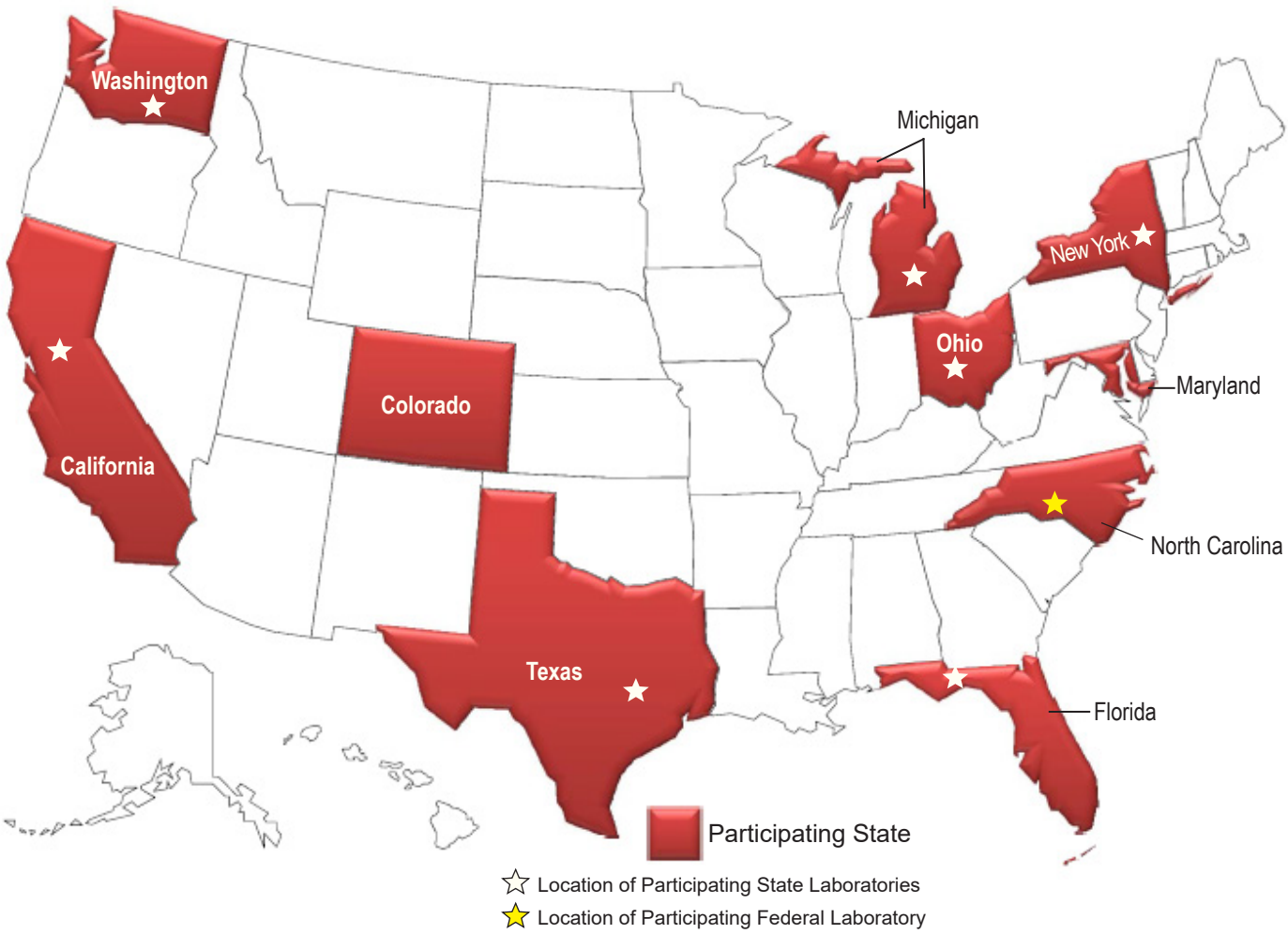


Figure 2. Program Participants. *During 2016, USDA's Agricultural Marketing Service established cooperative agreements with 10 States to sample and/or test Pesticide Data Program commodities. Together, these States represent about 50 percent of the Nation's population and all four census regions of the United States. These States are the major U.S. producers of fruit and vegetables. State laboratories were responsible for analyzing fresh and processed fruit and vegetable samples. The USDA National Science Laboratory analyzed the egg samples.*

foods consumed by infants and children. Commodities are cycled through the program approximately every 5 years. High-consumption fresh fruit and vegetable commodities remain in the program for 2 years to capture two full growing seasons, thereby capturing any changes due to seasonality or year-to-year variations. Processed products, as well as dairy, meat, fish, and grains, are tested for 1 full year. Appendix A provides a list of commodities tested by PDP from the beginning of the program in 1991 through 2017.

Fruit and vegetable samples are collected at terminal markets[1] 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, growth regulators, and sprouting inhibitors) 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 2016, over 600 sites granted access and provided information, including site volume data, to sample collectors. Voluntary cooperation is important to PDP and makes it possible to adjust sampling protocols in response to fluctuations in food distribution and production.

[1] Terminal markets are facilities where wholesalers receive large quantities of fresh fruit and vegetables by rail, truck, and air from around the world for sale to grocers, restaurants, institutions, and other businesses. Terminal markets are often located in metropolitan areas at or near major transportation hubs.

Pesticides screened by PDP include those with current registered uses for the commodity being tested 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 modified use directions (i.e., reduced application rates or frequency) as part of risk management activities. In addition, PDP tests for selected pesticides that may not have U.S. tolerances but are used in other countries that export commodities to the United States. The following appendixes list the specific pesticides tested in the program: fruit and vegetables (Appendix B), eggs (Appendix C), and milk (Appendix D). Environmental contaminants, or pesticides whose uses have been canceled in the United States but their residues persist in the environment, are consolidated into Appendix E, which summarizes findings for these chemicals across all commodities.

II. Sampling Operations

♦ Conceptual Framework

The goal of the PDP sampling program is to obtain a statistically valid 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 that ensure samples are randomly selected from the national food distribution system and reflect what is typically available to the consumer.

Ten States currently participate in PDP–California, Colorado, Florida, Maryland, Michigan, New York, North Carolina, Ohio, Texas, and Washington. The initial participating States in 1991 (California, Florida, Michigan, New York, Texas, and Washington) were selected based on agricultural production, analytical capabilities, population, and regional/geographic distribution – all four U.S. Census Regions (West, South, Midwest, Northeast) were represented. Later in 1993, Colorado joined to represent the Mountain Division of the Western Region and Ohio to further represent the densely populated East North Central Division of the Midwest Region. In 1993, North Carolina was included to better represent the South Atlantic Division of the Southern Region. Maryland was added in 1997 to represent the South Atlantic Division of the Southern Region. Today, these States together represent about 50 percent of the Nation's population and all four census regions of the United States.

Commodities chosen for inclusion in the program are based on EPA data needs. Foods selected for testing are high-consumption items with a strong focus on foods that are highly consumed by infants and children. Each fresh commodity is sampled and tested for 2 years in order to capture annual and seasonal variability. High-consumption items are rotated in and out of the program every 5 years – for example, apples, lettuce, and oranges are retested and the data refreshed every 5 years.

PDP collects a minimum of 600 samples per commodity per year in order to provide an accurate statistical representation for a given commodity. PDP collects additional samples to allow apportionment among the participating States over a 12-month period and to allow for a small sample overage for any missed, damaged, or unusable samples. Participating State population figures are used to apportion the number of samples scheduled for collection each month. PDP sampling operations may be adjusted according to product availability. For example, cherries, nectarines, and peaches may be oversampled during the summer months to make up for low availability during winter months. In some cases, frozen product is allowed as an alternative to fresh (e.g., cranberries).

PDP samples are collected at terminal markets and warehouse distribution centers, close to the point of consumption. Participating State agencies compile and maintain lists of these sampling sites. In 2016, over 600 sites granted access to sample collectors. The States provide AMS and NASS with annual volume information for commodities distributed at these sites. Based on this information, sites are assigned volume indicators compared to other sites in the same State. This volume indicator is used to ensure larger sites are selected more frequently than smaller sites. 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. This site selection method, termed probability-proportionate-to-size (PPS), then results in the larger site being 10 times more likely to be selected for sampling than the smaller site.

Each participating State works with NASS to develop statistical procedures for site weighting and selection. States are also given the option to have NASS perform their quarterly site selection. The number of sampling sites and the volume of produce distributed by the sites vary greatly among 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.

Sample information is captured at the time of collection for inclusion in the PDP database. 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 PDP sampling is representative of the U.S. food supply.

♦ Sampling Procedures

While obtaining PDP samples, collectors randomly select the scheduled commodities. Collectors use established procedures to prevent cross-contamination and maintain chain-of-custody. 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-of-custody. SOPs are updated as needed and serve as a technical reference in conducting program sampling reviews to ensure program goals and objectives are met. PDP sampling SOPs are available on the website: www.ams.usda.gov/pdp. On a quarterly basis, sample collectors are provided with Commodity Fact Sheets that list specific collection details for the individual commodities in the program.

Temperature-sensitive samples are packed in heavy-duty, temperature-controlled containers. Holding temperatures are preserved throughout transit time with the inclusion of ample frozen cold packs and insulating materials. Non-temperature-sensitive samples do not require temperature-controlled containers; however, they are shipped in heavy-duty, well-cushioned containers. To preserve sample integrity, most samples are shipped the same day by overnight delivery. Non-refrigerated processed commodities such as peanut butter are often shipped by ground transportation to reduce shipping costs.

Electronic Sample Information Forms (e-SIFs) are used for chain-of-custody and to capture information needed to characterize the sample. Sample collectors use tablets or laptop computers in the field to record sample identification 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 identification number for each sample. Other available information about each sample is also recorded, such as collector name; the State or country of origin; product variety; production claims such as organic; expiration date; and grower, packer, and/or distributor locations. The e-SIFs are sent electronically the same day as sample collection or, at the latest, by the next morning after collection to ensure that sample information is received at each laboratory by the time samples arrive for analysis. Refer to Section IV on Database Management for more information on the e-SIF system.

Because most PDP samples are collected at distribution centers, terminal markets, and other wholesalers, entire cases must be obtained while a significantly smaller portion is sent to the laboratory for testing. For example, if a 20-pound case of apples is collected and a 5-pound sample is sent for testing, the remaining 15 pounds is donated. In most cases, the excess samples are donated to organizations such as local food banks, shelters, senior assisted living centers, churches, and other charities. PDP often provides the only fresh commodity donations available to these

organizations. As a specific example, the State of Michigan donated over 2,000 pounds of produce each month to the Greater Lansing Food Bank during 2016.

♦ 2016 Sampling Operations

The number of fruit, vegetable, eggs, and milk samples collected in each participating State is determined by State population. The quarterly collection schedule for all 2016 commodities is shown in Table 1. The total number of samples collected in each State for each commodity is listed in Table 2. Figure 2 illustrates the participating collection States and the laboratories to which samples were shipped. Table 3 lists the acceptable product types for each collected commodity as seen on Commodity Fact Sheets provided to sample collectors. For all commodities, domestic or imported and organically grown or conventionally grown products are acceptable. In 2016, 4.8 percent of the tested samples were organic (502 of 10,365). State population figures are used to assign the number of fruit, vegetable, and other specialty samples scheduled for collection each month. During 2016, the monthly number of samples assigned for each State included: California, 13; Colorado, 2; Florida, 7; Maryland, 4; Michigan, 6; New York, 9; Ohio, 6; Texas, 8; and Washington, 4. This schedule resulted in a monthly target of 59 samples per commodity, or 708 samples per commodity per year. Additionally, North Carolina collected 4 samples per month for selected commodities–applesauce, cranberries, cucumbers, green beans, lettuce, canned olives, and canned tomatoes, which resulted in a total of 756 samples per commodity per year for these products.

In 2016, fruit, vegetables, egg, and milk samples were randomly collected by trained State inspectors at terminal markets and large chain store distribution

Commodity	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	End Date
Apples	■	■	■		Sep-16
Applesauce				■	Sep-17
Cherries, Fresh/Frozen	■				Mar-16
Cranberries, Fresh/Frozen				■	Sep-18
Cucumbers	■	■	■	■	Jun-17
Eggs		■	■		Aug-16
Grapefruit	■	■	■	■	Sep-17
Grapes	■	■	■	■	Dec-16
Green Beans	■	■	■		Sep-16
Lettuce	■	■	■	■	Jun-17
Milk	■	■	■	■	Dec-17
Olives, Canned				■	Sep-18
Oranges	■	■	■	■	Dec-16
Pears	■	■	■	■	Dec-16
Potatoes	■	■	■	■	Dec-16
Spinach	■	■	■	■	Dec-16
Strawberries	■	■	■		Sep-16
Sweet Potatoes		■	■	■	Mar-18
Tomatoes	■	■	■		Sep-16
Tomatoes, Canned				■	Sep-17

Table 1. Pesticide Data Program (PDP) Commodity Collection Schedule for 2016. *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 (May 1991 through December 2017).*

State	AP	CA	CH	CU	GB	GF	GR	LT	OG	PE	PO	SP	ST	SW	TO	Total Fresh
California	117	29	4	156	117	155	156	156	156	156	156	154	117	117	117	1,863
Colorado	18	6		24	18	25	24	24	24	23	24	25	18	18	18	289
Florida	63	13	1	84	63	82	84	84	84	84	84	84	62	63	63	998
Maryland	36	12	4	48	36	48	48	48	48	48	48	48	36	36	34	575
Michigan	54	18	2	72	54	72	72	72	72	72	72	72	54	54	54	866
New York	81	27	7	108	81	108	108	108	108	108	108	108	81	81	81	1,303
N. Carolina		6		46	36			48								136
Ohio	54	17	1	72	54	70	72	72	72	72	72	72	54	54	53	861
Texas	72	18	10	96	72	95	96	96	96	96	96	96	72	72	72	1,155
Washington	36	10	1	48	36	49	48	48	48	48	48	48	36	37	36	577
TOTAL	531	156	30	754	567	704	708	756	708	707	708	707	530	532	582	8,626

State	AC	AZ	CZ	OL	TC	Total Processed	Total Fresh & Proccessed F&V	Eggs EG	Dairy Milk MK
California	39	7	34	39	39	158	2,021	65	156
Colorado	6		4	6	6	22	311	10	24
Florida	21	7	20	21	21	90	1,088	35	84
Maryland	13		8	12	12	45	623	20	48
Michigan	18		16	18	18	70	936	30	72
New York	27		20	27	27	101	1,404	45	108
N. Carolina	12	5		12	12	41	177		
Ohio	18	1	17	18	18	72	933	30	71
Texas	24	3	14	24	24	89	1,244	39	96
Washington	12	2	11	12	12	49	626	20	49
TOTAL	190	25	144	189	189	737	9,872	294	708

Commodity Legend		
AC = Applesauce	GB = Green Beans	PE = Pears
AP = Apples	GF = Grapefruit	PO = Potatoes
AZ = Cranberries, Frozen	GR = Grapes	SP = Spinach
CA = Cranberries, Fresh	LT = Lettuce	ST = Strawberries
CH = Cherries, Fresh	MK = Milk	SW = Sweet Potatoes
CU = Cucumbers	OG = Oranges	TC = Tomatoes, Canned
CZ = Cherries, Frozen	OL = Olives, Canned	TO = Tomatoes, Fresh
EG = Eggs		

Table 2. Distribution of Samples Collected by Each Participating State. *This table includes those commodities collected at terminal markets, distribution centers, and retail markets.*

Commodity	Acceptable Products
Apples	All fresh, whole apples.
Applesauce	Processed applesauce; regular or chunky; sweetened/unsweetened/lite varieties. Containers may be plastic, glass, or cans; however, plastic or cans are preferred because of potential breakage with glass.
Cherries	Any fresh, whole sweet cherry. Fresh are preferred, but frozen are acceptable.
Cherries, Frozen	Frozen sweet cherries. Individually quick frozen or frozen in own juices.
Cranberries	Fresh whole cranberries, pre-bagged or loose. Fresh are preferred, but frozen are acceptable.
Cranberries, Frozen	Frozen cranberries. Individually quick frozen or frozen in own juices.
Cucumbers	Fresh cucumbers. Common, English, burpless, garden, hothouse, seedless, Japanese, or Kirby.
Eggs	Whole, fresh raw eggs in the shell. White or brown.
Grapefruit	Any fresh whole grapefruit. Pink, red, or white fleshed.
Grapes	Fresh table grapes: white/green, red, purple/blue, or black.
Green Beans	Fresh green string beans. Whole or pre-cut.
Lettuce	Leaf and head (wrapped or unwrapped) lettuce.
Milk	Whole milk; pasteurized; Vitamin A and/or D fortified. Container may be glass if plastic or carton is not available.
Olives, Canned	Canned, pitted black olives. Whole, sliced, chopped, crushed, diced.
Oranges	Any fresh, whole oranges.
Pears	Any fresh, whole pears.
Potatoes	Fresh whole potatoes (Russet, White, Yellow, and Red). No individual size requirements (U.S. No.1 or U.S. No.1 size A are the most preferred sizes because they are the most widely consumed).
Spinach	Any fresh spinach, consisting mainly of four types: Savoy, Flat or Smooth-Leafed, Semi-Savoy, and Baby (or Teen). May be in pre-sealed bags, bunched (tied together), or loose (bulk).
Strawberries	Fresh, whole strawberries.
Sweet Potatoes	Fresh whole sweet potatoes. No individual size requirements.
Tomatoes	Fresh tomatoes. Regular round varieties or Plum/Roma.
Tomatoes, Canned	Canned tomatoes. Whole, peeled, diced, stewed, puree, crushed.

Table 3. Acceptable Products for Collected Commodities. *This table lists the acceptable products for each collected commodity as seen on the Commodity Fact Sheets provided to sample collectors. For all commodities, domestic or imported and organically grown or conventionally grown products are acceptable.*

centers throughout the country. Surrogate or "proxy" sites (retail markets) are 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 possible contamination by the consumer is eliminated and to allow capture of sample information from product boxes. In 2016, 23 percent of fruit, vegetable, egg, and milk samples were collected at proxy sites. The commodities most often collected at these facilities were frozen cherries, frozen cranberries, canned olives, canned tomatoes, applesauce, milk, and eggs.

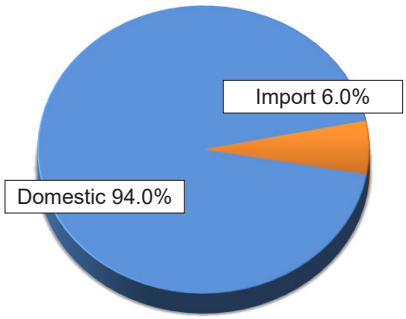
The total number of samples per commodity and the percentage of each that were either domestic, imported, or of unknown origin are shown in Figure 3. The origin of some fresh commodities can vary greatly throughout the year. Graphic examples of this variation can be found in Figure 4, where differences in origin (domestic versus import) are depicted by month for grapes and cucumbers. Fresh and processed fruit and vegetable egg, and milk samples originated from 42 States and 20 foreign countries (refer to Appendix F).

♦ Fresh and Processed Commodities

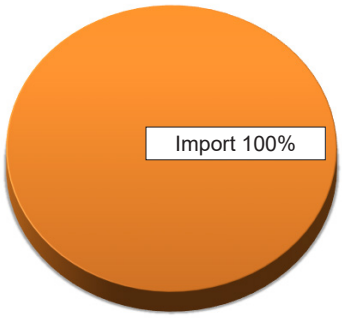
Of all samples collected and analyzed in 2016, 90.3 percent (9,363 of 10,365) were fruit and vegetables, including fresh and processed products. The fresh commodities collected for PDP were apples, cherries, cranberries, cucumbers, grapefruit,

A. Fresh Fruit and Vegetable Samples

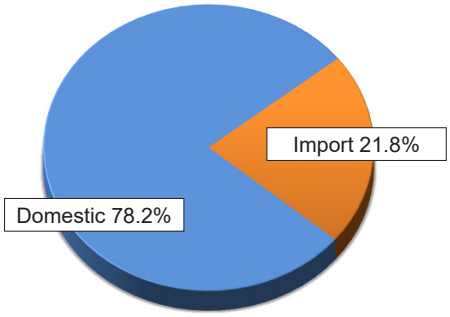
Apples (531 Samples)



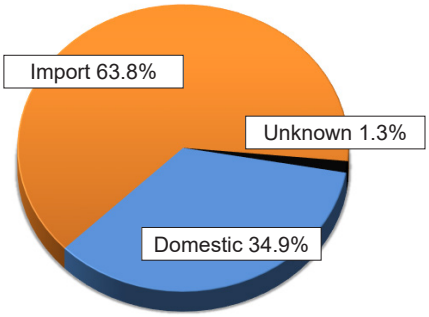
Cherries (30 Samples)



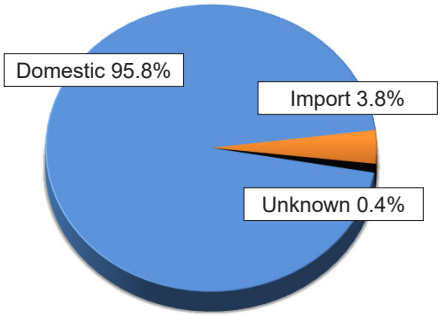
Cranberries (156 Samples)



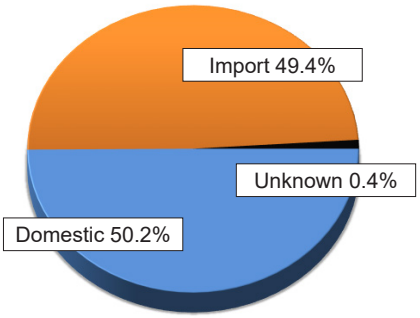
Cucumbers (754 Samples)



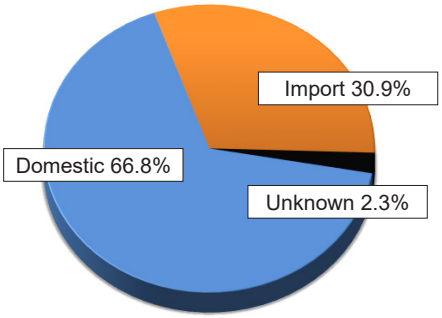
Grapefruit (704 Samples)



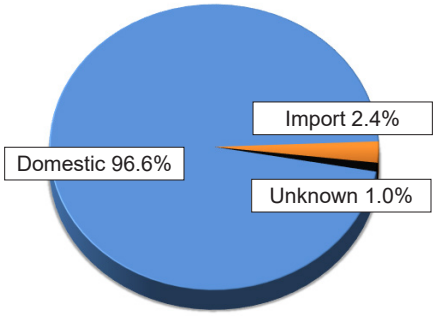
Grapes (708 Samples)



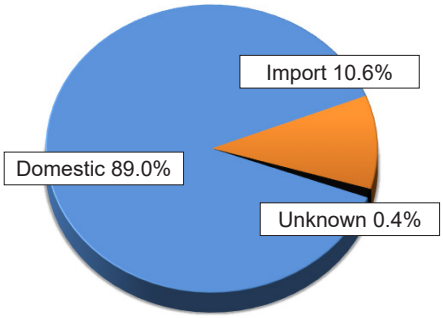
Green Beans (567 Samples)



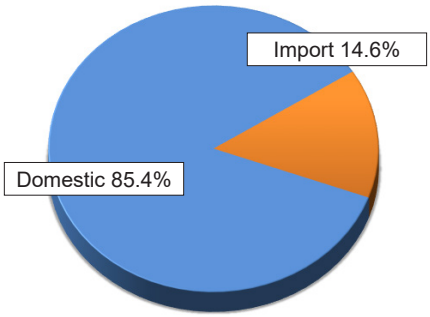
Lettuce (756 Samples)



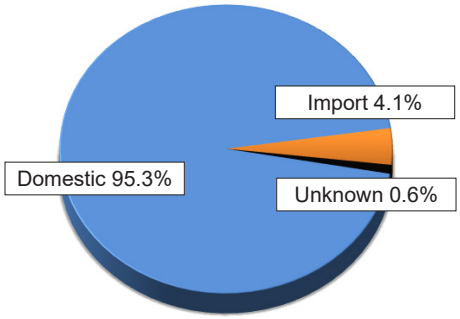
Oranges (708 Samples)



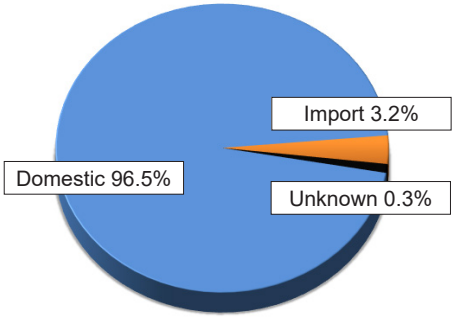
Pears (707 Samples)

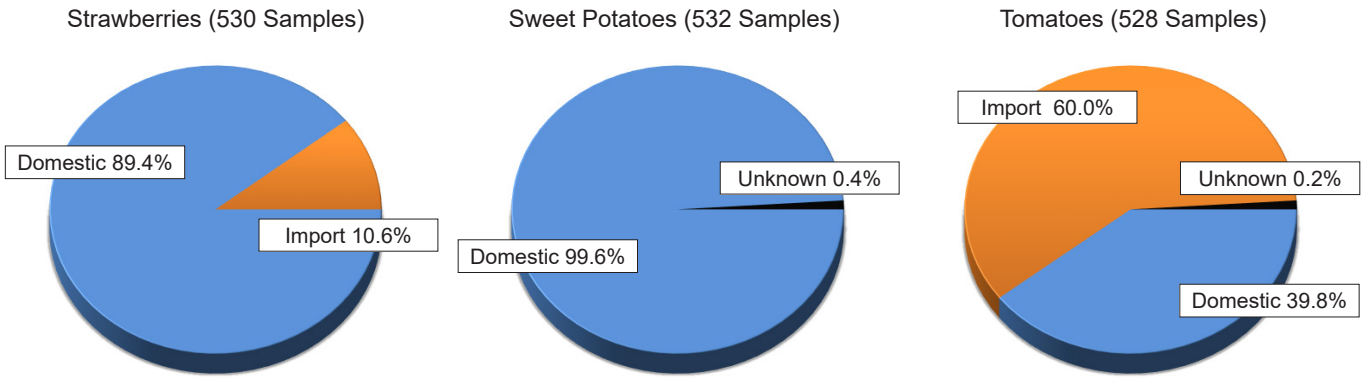


Potatoes (708 Samples)



Spinach (707 Samples)





B. Processed Fruit and Vegetable Commodities

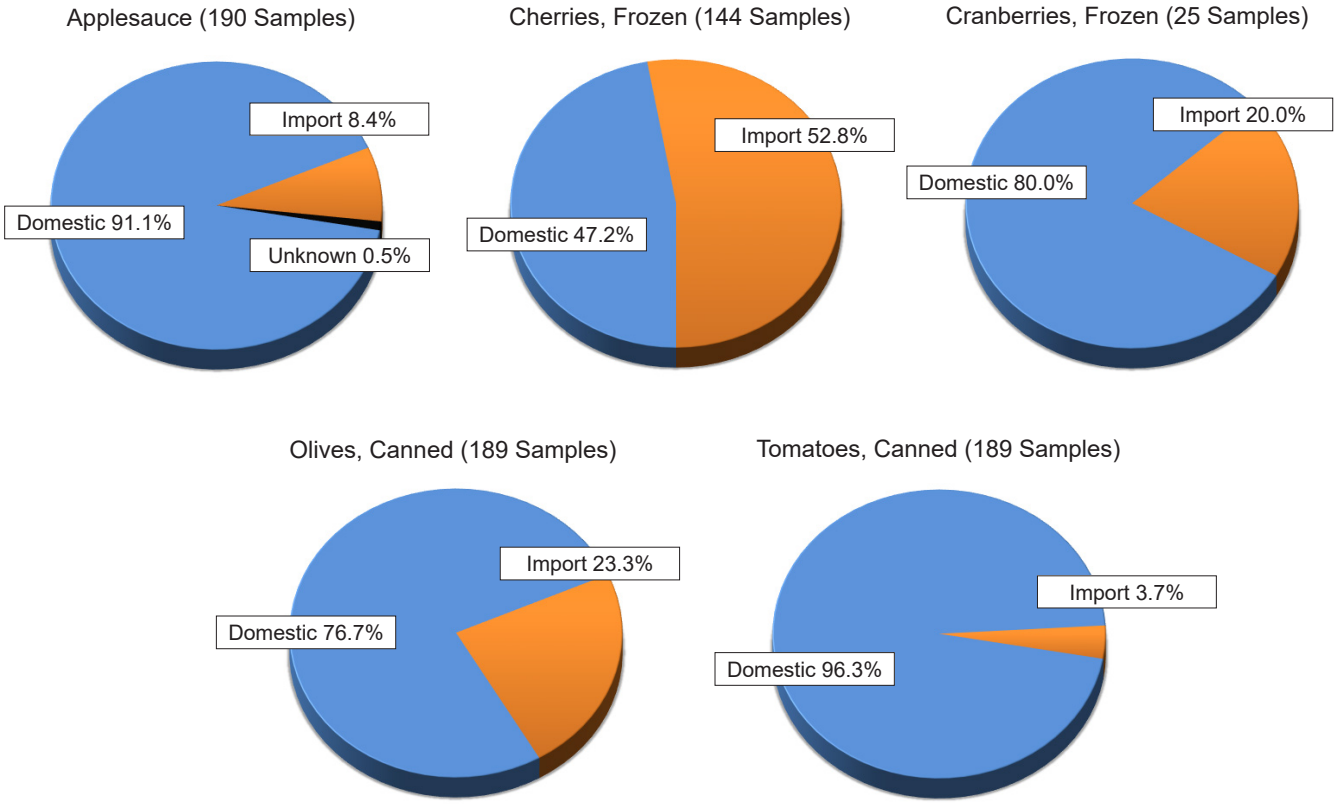


Figure 3. Commodity Origin. *This figure depicts the proportion of commodity origin (domestic, import, unknown, and mixed national origin) for each fresh and processed fruit and vegetable product tested in 2016.*

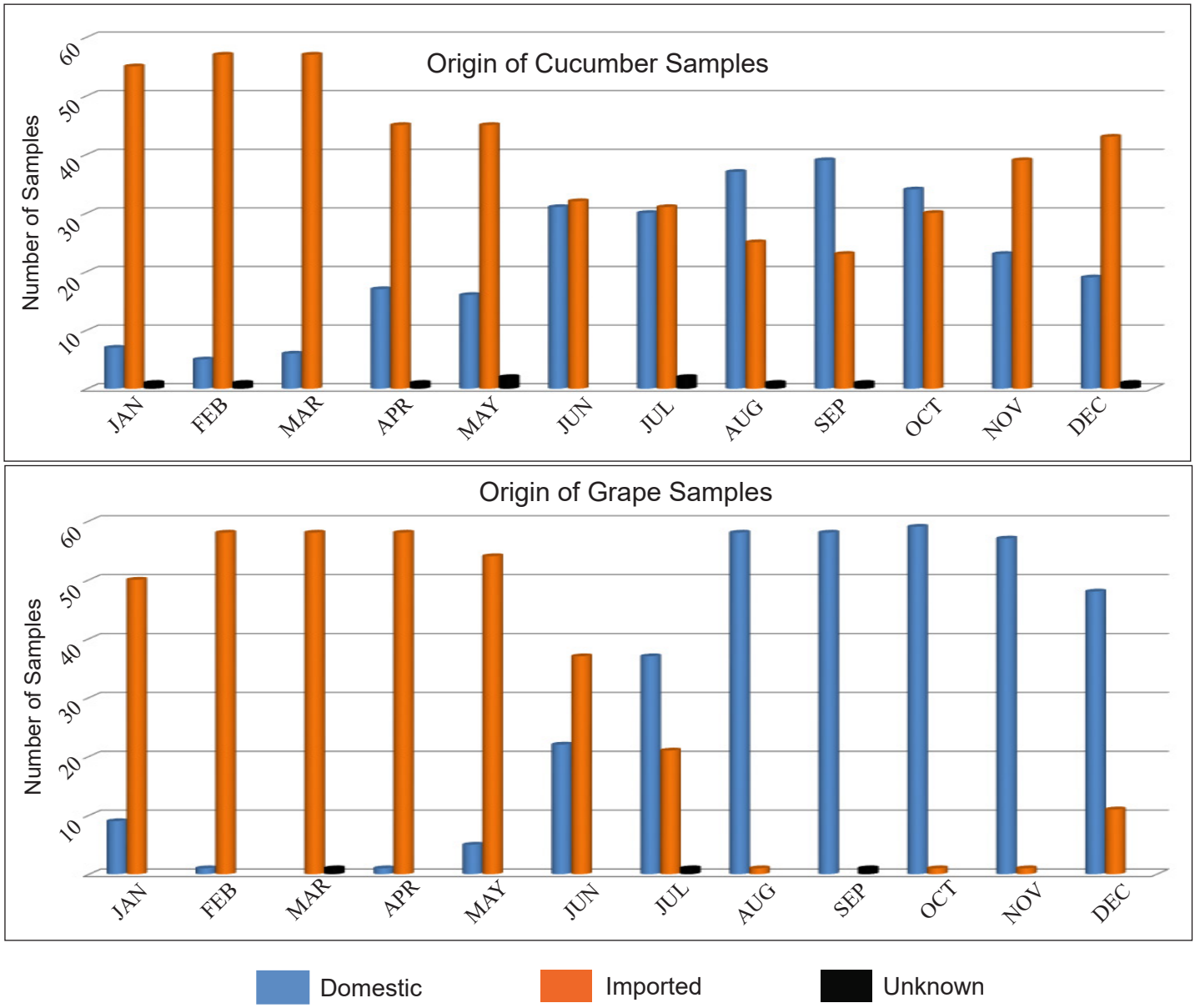


Figure 4. Origin of Selected Fresh Commodities: Cucumber and Grape Samples. *Differences in origin (domestic vs. import) are illustrated by month.*

grapes, green beans, lettuce, oranges, pears, potatoes, spinach, strawberries, sweet potatoes, and tomatoes. The processed commodities included applesauce, frozen cherries, frozen cranberries, canned olives, and canned tomatoes. Fresh and frozen fruit and vegetable samples weighed either 3 or 5 pounds with the exception of cranberries, where the sample size was 1 pound. Three pounds were collected for smaller, low-weight commodities such as spinach and frozen samples, and 5 pounds were collected for larger, high-weight commodities such as apples and sweet potatoes.

♦ Eggs

PDP collected and analyzed 294 chicken egg samples in 2016. Samples, comprised of one dozen eggs, were collected from routine PDP sampling sites that included major chain-store distribution centers, terminal markets, and proxy sites. About 64 percent of the samples were collected from proxy sites. All of the egg samples were domestic. Only fresh, in their shell, egg samples were collected, regardless of size or color. Analysis was performed by the USDA's NSL located in Gastonia, NC.

♦ Milk

PDP collected and analyzed 708 milk samples in 2016. One quart samples were collected from routine PDP sampling sites that included major chain-store distribution centers, terminal markets, and proxy sites. Sixty-four and a half percent of the samples were collected from proxy sites. All of the milk samples were domestic. Only whole pasteurized milk samples were collected. Reduced fat milk (1% or 2%), flavored milk (chocolate, strawberry), ultra-high temperature pasteurized milk (not requiring refrigeration), and any milk other than cow's milk were excluded. Analysis was performed by the California Department of Food and Agriculture laboratory located in Sacramento, CA.

♦ Sampling Limitations

Ten States from all four census regions of the United States participate in PDP. The States that participate account for about 50 percent of the U.S. population and the major agricultural production areas of the country, making them representative of the United States as a whole.

PDP collects samples from over 600 distribution centers and terminal markets within the participating States. The total number of distribution centers and terminal markets within the participating States is difficult to establish since existing sites may go out of business or merge and new sites may open during the course of the year. However, sites within the States that participate do not differ significantly from those that do not participate. Since these sites are similar throughout the State, they are representative of all sites in the State.

Sometimes it is necessary to replace the site that was originally selected using PPS. In those cases, an alternate site is selected by the State personnel to replace the original site. Whenever possible, a site of similar size in the same region as the original site is chosen as the replacement. Additionally, the availability of a specific commodity may necessitate a change in site selection. For example, lettuce may be collected from an alternate site if the primary site is out of stock.

III. Laboratory Operations

♦ Overview

Seven State laboratories and one USDA laboratory 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 an ongoing basis. Laboratory scientists continually test new technologies and develop new techniques to improve the levels of detection. Any major change in methodology and/or instrumentation is evaluated and its soundness demonstrated and documented by means of method validation modules in accordance with PDP SOPs.

♦ Fresh and Processed Commodities

Fruit and vegetable samples were tested for 480 parent pesticides, metabolites, degradates, and/or isomers, plus 22 environmental contaminants using Multi-Residue Methods (MRMs). Pesticides screened by PDP include those with current registered uses for the commodity being tested and compounds for which toxicity data and preliminary estimates of dietary exposure indicate the need for more extensive residue data.

Upon arrival at the testing facility, samples of fresh commodities were visually examined for acceptability and discarded if determined to be inedible (decayed, extensively bruised, or spoiled). Laboratories are permitted to refrigerate incoming fresh fruit and vegetable samples of the same commodity 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.

Each sample is prepared according to the procedures detailed in Table 4, which lists the steps for preparing each commodity for analysis as defined in the Laboratory Sample Processing and Analysis Standard Operating Procedure. For all commodities, the sample is chopped, mixed, or blended until a visually homogeneous mixture is attained.

Commodity	Sample Preparation Steps
Apples	Wash and drain. Do not peel. Remove the stem. Remove the core using a commercially available apple corer, or cut each apple in half or quarters and remove the core portion.
Applesauce	If the sample is comprised of a single container, simply weigh appropriate analytical portion. If the sample is comprised of multiple containers, combine and mix enough containers to achieve the specified sampling size (48 ounces) and weigh appropriate analytical portion.
Canned Product: Olives, Tomatoes	If the lid of the can has visible dirt or dust, rinse the lid under cold running tap water for 5 to 10 seconds. Dry the lid with a paper towel. Open each can and pour the entire contents of each can including the liquid into a blender/homogenizer.
Cherries	Remove the stem from each cherry. Wash and drain. Remove the pit, being careful to remove as little of the meat as possible.
Cranberries	Wash by the handful or by using a colander and drain.
Cucumbers	Wash and drain. Cucumbers may be halved or quartered at this point to facilitate homogenization.
Eggs	Crack open eggs that make up the sample unit (minimum 10 eggs) into a clean blender/ homogenizer. Discard the egg shells.
Frozen Product: Cherries, Cranberries	The samples may be chopped while frozen, or to prevent damage to the chopper/homogenizer blades, the sample may be thawed in a refrigerator or in a room temperature water bath. Open the containers and pour the entire contents into the chopper/homogenizer.
Grapefruit	Peel each fruit and remove any excess white membrane.
Grapes	Wash and drain. Remove all stems and extraneous matter.
Green Beans	Wash and drain. Do not peel. Using a clean, dry knife, remove any stems that are present.
Lettuce - Head	Visually examine the head and remove wrapper and damaged or wilted leaves. Rinse and turn the head top side down to drain.
Lettuce - Leaf	Visually examine the sample and remove only the damaged or wilted leaves and any woody stems. Wash and drain.
Milk	If the sample is comprised of a single container, simply weigh appropriate analytical portion. If the sample is comprised of multiple containers, combine and mix enough containers to achieve the specified sampling size (1 quart) and weigh appropriate analytical portion.
Oranges	Peel each fruit and remove any excess white membrane.
Pears	Do not peel. Remove stem, if present. Using a clean, dry knife, cut each pear in half or quarters and remove the core portion.
Potatoes	Hold each potato under cold running tap water and gently scrub the entire surface with a clean vegetable brush to remove any loose soil and grit. Wash and drain.
Spinach	Visually examine the sample and remove only the damaged or wilted leaves and any woody stems. Wash and drain. Note: Bagged pre-washed spinach does not require washing by the laboratory.
Strawberries	Wash by the handful or by using a colander and drain. Remove stems and leaves if present.
Sweet Potatoes	Hold each sweet potato under cold running tap water and gently scrub the entire surface with a clean vegetable brush to remove any loose soil and grit (remove any woody stems if present). Wash and drain.
Tomatoes	Wash and drain. Do not peel. Using a clean, dry knife, cut the tomato around the stem area. Remove any stem, being careful to remove as little of the meat as possible. The tomatoes may be quartered prior to homogenization.

Table 4. Sample Preparation Steps for Analysis. *This table lists the steps for preparing each collected commodity for analysis as defined in the Laboratory Standard Operating Procedure. The wash and drain steps refer to a wash under cold running water for approximately 15-20 seconds to assure that all surfaces are rinsed, then a drain for at least 2 minutes. For all commodities, the sample is chopped, mixed, or blended until a visually homogeneous mixture is attained.*

Samples 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) requirements. 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, testing laboratories use various Quick, Easy, Cheap, Effective, Rugged and Safe (QuEChERS)-based approaches.[2] All MRMs are determined, prior to use and through appropriate method validation procedures, to produce equivalent data for PDP analytical purposes.

PDP laboratories use gas chromatography (GC) and liquid chromatography (LC) instrumentation, coupled with tandem mass spectrometry (MS) detection systems for the simultaneous identification/confirmation and quantitation of pesticides. The use of these GC-MS/MS and LC-MS/MS systems allows the program to capture data for a broad spectrum of pesticides, including emerging product chemistries.

♦ Eggs

USDA's NSL tested 294 samples of raw, whole shell eggs from chickens. A total of 107 parent pesticides, metabolites, degradates and/or isomers, plus 16 environmental contaminants were screened in egg samples. Samples were prepared according to the procedures detailed in Table 4. Samples were extracted using modifications of the QuEChERS method, and analyses were performed using GC/MS, GC-MS/MS, and LC-MS/MS.

♦ Milk

The California Department of Food and Agriculture laboratory tested 708 samples of pasteurized whole milk from cows. A total of 425 parent pesticides, metabolites, degradates and/or isomers, plus 19 environmental contaminants were screened in milk samples. Samples were prepared according to the procedures detailed in Table 4. Samples were extracted using modifications of the QuEChERS method, and analyses were performed using GC-MS, GC-MS/MS, and LC-MS/MS.

♦ 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, along with program-specific QA/QC requirements. The PDP SOPs provide uniform administrative and sampling procedures, as well as guidelines for laboratory operations and data analyses. The SOPs are revised annually to accommodate changes in the program and are aligned with International Organization for Standardization (ISO)[3] requirements. PDP laboratories are accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA), an internationally recognized accrediting body.

A Technical Advisory Group, comprised of laboratory Technical Program Managers and Quality Assurance Officers, is responsible for annually reviewing program SOPs and addressing QA issues. For day-to-day QA oversight, PDP relies on the Quality Assurance Unit (QAU) at each participating facility. The QAU operates independently from the laboratory staff and is responsible for reviewing all data generated for PDP and for performing quarterly, internal program audits. Preliminary data review procedures are performed onsite by each laboratory's QAU. MPD staff conduct a final review of data for conformance with SOPs.

Method Performance Requirements: 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 methods used (extraction and instrumental). LODs for each pesticide/

[2] M. Anastassiades, S.J. Lehotay, D. Stajnbaher and F.J. Schenck, "Quick, Easy, Cheap, Effective, Rugged and Safe (QuEChERS) Method," J AOAC Int 86 (2003) 412.

[3] "ISO" is not an acronym because the initials would be different in various official languages. "ISO" is adopted from the Greek word "isos" meaning equal.

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.

Identification/Confirmation: Identification/confirmation is performed using MS technologies. 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 used to assess method and analyst performance during sample preparation, extraction, and cleanup. 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, eggs, and milk, 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 to prepare a matrix spike.

• Matrix Spike(s) - Prior to extraction, a portion of the 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, macrocyclic lactones, neonicotinyls, phenoxy acid herbicides, pyrethroids, strobilurins, sulfonyl urea herbicides, triazines, uracils), with physical and chemical characteristics representative of their corresponding pesticide class. Marker pesticides may be 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 at least quarterly for each analyte/crop combination it reports. Some laboratories choose to rotate spikes of all compounds on a set-to-set basis or spike all compounds analyzed with each set, so that the amount of spike recovery data obtained actually exceeds the minimal requirements previously stated. During 2016, PDP laboratories quantitated a total of 78,276 matrix spikes, with an overall mean recovery of 96 percent and an overall 22 percent coefficient of variation (% C.V.). 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-by-sample basis. Each of the analytical set components, except the reagent and matrix blanks, is spiked with process controls. During 2016, PDP laboratories quantitated a total of 26,560 process controls on 10,365 samples, with an overall mean recovery of 100 percent and an overall 17% C.V. Of these process controls, 91 (0.34 percent) were reruns due to initial failure to meet PDP recovery criteria. The rerun values are not included in these statistics.

Proficiency Testing: All facilities are required to participate in PDP's Proficiency Testing (PT) program. In order to properly benchmark performance, PDP laboratories participate in the international Food Analysis Performance Assessment Scheme (FAPAS), administered by the Food and Environment Research Agency, Sand Hutton, York, United Kingdom. In 2016, PDP laboratories that routinely analyze fruit and vegetables via MRMs participated in one FAPAS round for carrot purée that contained 10 fortified analytes. Laboratories were evaluated based on z-scores for reported compounds, as well as any reported false negatives or false positives. All PDP laboratories obtained z-scores less than two, which is deemed satisfactory performance.

In addition, PDP laboratories participate in an internal PT program that is tailored to current PDP commodities and testing profiles. For this internal program, the California Department of Food and Agriculture QAU prepares and issues rounds designed by MPD. Spiking compounds are selected with specificity and levels for each commodity. Fortification levels of selected analytes are generally 1 to 10 times the program LOQ for that commodity/compound pair. For each multiresidue round, one compound per set is typically repeated within the round to provide an indicator of repeatability. The resulting data are used to determine performance equivalency among the testing laboratories and to evaluate individual laboratory performance.

During 2016, PDP laboratories received two multi-residue fruit and vegetable PT rounds (strawberries and zucchini), each consisting of three test samples. The strawberry samples were fortified with a total of 12 different compounds with pyriproxyfen spiked on 2 different samples. The zucchini samples were fortified with a total of 13 different compounds with trifluralin spiked on 2 different samples at the same level to evaluate within and between laboratory variability. All PDP laboratories demonstrated satisfactory performance in the PT rounds during 2016.

Onsite Reviews: In addition to the onsite assessments performed by A2LA that are required to maintain ISO 17025 accreditation, MPD staff chemists perform onsite reviews of laboratory operations to determine compliance with PDP SOPs and provide a report of findings identifying potential areas of improvement. Improvements in sampling, chain-of-custody, laboratory, recordkeeping, and electronic data transmission procedures are made as a result of onsite reviews.

IV. Database Management

PDP maintains an electronic database 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, which allows easier administration and data reporting. The PDP data pathway is illustrated in Figure 5.

♦ 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 on USDA servers. 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 system utilizes Secure Sockets Layer 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 Sample Information Form (SIF) electronically on laptop or tablet computers. The e-SIF system generates formatted text files containing sample information that are e-mailed to MPD staff for import into the Web-based RDE system.

The RDE data entry screens have extensive editing functions and cross-checks built into the software to ensure 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 ad-hoc 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 entries are within prescribed boundaries.

MPD staff chemists review the data online 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 maintained using Microsoft® Access and SQL Server database tools. Access to the central

SAMPLE COLLECTION

- Collection in 10 States
- Samples taken close to consumer consumption
- Standardized sample information forms
- Data entry on tablet/laptop computers

LABORATORY ANALYSIS

- 7 State laboratories, 1 Federal laboratory
- Fruit and vegetable samples prepared for consumption
- Detect residues at low levels
- Pesticide residue data generated
- Multi-tiered quality assurance data review process

LABORATORY REMOTE DATA ENTRY (RDE)

- Web-based data entry software
- Import data from other systems
- Access controlled by user login
- Extensive data cross-checks

INTERNET

INTERNET

DATA REVIEW AT HQ

- Chemists review data on-screen
- Upload data to central database

YEAR-END REVIEW

- Data reconciliation

DATA REPORTING

- Standard & ad hoc reporting
- Annual Summary
- Custom data sets

Figure 5. Pesticide Data Program (PDP) Data Pathway. *An illustration of PDP data path from sample collection through laboratory analysis and reporting.*

PDP database is limited to MPD personnel and is controlled through password protection and user access rights.

♦ Data Reporting

The MPD 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 appendixes 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 delimited text files that contain a portion of the sampling data, all 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 using common database management software packages.

♦ Online Database Search Tool

In January 2017, a new online PDP Database search tool was made available for public use. The search tool allows anyone with internet access to search for PDP pesticide residue findings on commodities tested across all published years. Search criteria are selected from lists of all reported commodities, pesticides, and survey years. One of five output preferences is selected to show individual residue findings or summary data. The generated dataset can be exported to a comma-separated values (CSV) file. The search tool can be reached from any PDP website page or directly at https://apps.ams.usda.gov/pdp.

V. Sample Results and Discussion

♦ Overview

In 2016, PDP conducted surveys on a variety of foods including fresh and processed fruit and vegetables, eggs, and milk. Of the 10,365 samples analyzed, 9,363 were fresh and processed fruit and vegetable samples, 294 were eggs, and 708 were milk samples. PDP testing methods are designed to detect the lowest possible levels of pesticide residues. In 2016, over 99 percent of the samples tested had residues well below the tolerances established by the EPA with 23 percent having no detectable pesticide residue. The data reported by PDP corroborate that residues found in agricultural products sampled are at levels that do not pose risk to consumers' health and are safe according to EPA.

Appendix B tabulates the distribution of residue results for fruit and vegetables. Information included in this appendix are: number of samples analyzed for each compound, number and percent of samples with detections, range of concentrations detected, range of analytical LODs, and EPA tolerance levels. Appendix C provides the distribution of residues for eggs. Appendix D provides the distribution of residues for milk.

PDP laboratories tested foods for low levels of environmental contaminants that are no longer used in the United States, but due to their persistence in the environment, particularly in soil, these contaminants can be taken up by plants. Appendix E tabulates the results for environmental contaminants across all commodities. Environmental contaminants are consolidated into a single appendix because they have no registered uses and are not applied to crops in the United States. These compounds are subject to FDA Action Levels (ALs), rather than tolerances. Because environmental contaminants continue to persist in the environment, they may be present in food commodities at generally low levels.

Most of the collected and analyzed samples (81.2 percent) were produced in the United States, 18.3 percent were imports, and 0.5 percent were of unknown origin. Appendix F shows the distribution of sample origin by State or country. Of all samples collected and analyzed, approximately 35.2 percent (3,644 of 10,365) were grown, packed, and/or distributed in or from California. Appendix G includes a comparison of residues for selected commodities with a significant import component.

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. All individual sample data can be downloaded from the PDP Website at http://www.ams.usda.gov/pdp or obtained by contacting MPD.

♦ Import Versus 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 of the PDP fruit and vegetable commodities in 2016. The data generated by PDP reflect pesticide residues in foods, both domestic and imported products, available to the U.S. consumer. Many fresh and processed commodities are almost entirely of domestic origin, such as grapefruits (95.8 percent); lettuce (96.6 percent); sweet potatoes (99.6 percent); and spinach (96.5 percent) with only minor import (3.8 percent, 2.4 percent, 0 percent, and 3.2 percent, respectively) and unknown origins (0.4 percent, 1.0 percent, 0.4 percent, and 0.3 percent, respectively). Other fresh commodities, such as grapes and cucumbers, are available from domestic growers part of the year and imported during the remaining months, as illustrated in Figure 4.

Comparisons of selected residues detected in imported versus domestic grapes, green beans, and tomatoes can be found in Appendix G. These sample sets were selected to compare data where residues are present in greater than 10 percent of the commodity samples and allow for the comparison of individual residues. These data also show that the residue profiles for domestic and imported crops are significantly different.

The data in Appendix G illustrate that some residues were detected more frequently in imported samples, some were detected more frequently in domestic samples, and some were detected with relative equal frequency in domestic and imported samples. For example, the fungicide fenhexamid was detected in 67.0 percent of the grape samples from Chile and 18.3 percent of the U.S. samples. In contrast, the fungicide azoxystrobin was detected in 33.8 percent of the green bean samples from the United States and 3.4 percent of the samples from Mexico. The fungicide difenoconazole was detected in 22.9 percent of the tomato samples from the United States and 21.4 percent of the samples from Mexico, showing nearly equal detection rates between domestic and imported samples.

All pesticides detected were registered in the United States; however, the profiles of residue findings were markedly different in the U.S. samples versus imported samples. The differences in residue detections between countries were likely due to the pesticides used in response to pest pressures based on differing environmental and climatic conditions as well as crop production and protection practices.

♦ 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 (e.g., azoxystrobin, imazalil, o-phenylphenol, and thiabendazole) and growth regulators/sprouting inhibitors (e.g., chlorpropham). Some detections reported in Appendix B most likely reflect postharvest applications to the raw agricultural commodity.

♦ Discussion of Results

There are many pesticides registered for use on the same crop; however, not all registered pesticides are used at the same time or location. Twenty-three percent of the samples tested had no detectable pesticide residue, and over 99 percent of the samples tested had residues below the tolerances established by the EPA. Pesticide use is primarily dictated by local pest pressures and environmental conditions conducive to growth of pest populations, as well as the planting of susceptible varieties. These differences are captured by PDP data, which reflect actual residues present in food grown in various

regions of the United States and overseas. Thus, in evaluating consumer exposure to pesticides through the diet, EPA uses all available information provided by registrants, PDP, and others to verify that tolerances meet the safety standards set by FQPA. The reporting of residues present at levels below the established tolerance serves to ensure and verify the safety of the Nation's food supply.

Food commodities with pesticides detected in at least 5 percent of samples tested are shown in Appendix H. The data shown include the range and mean of values detected and EPA tolerance references for each pair.

By virtue of the MRMs employed, PDP provides critical data that can be used by EPA to evaluate exposure to multiple residues from the same commodity. The data are crucial for assessments that consider cumulative exposure to pesticides determined to have common mechanisms of toxicity. The distribution of multiple pesticides occurring in samples tested during 2016 is presented in Appendix I. These data indicate that 22.7 percent of all samples tested contained no detectable pesticides, 15.7 percent contained 1 pesticide, and 61.6 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." Environmental contaminants, listed in Appendix E, have been excluded from this count of pesticides.

One sample of strawberries imported from Mexico contained residues of 22 pesticides. None of the residues found on the strawberry sample exceeded the established tolerance. Multiple residue detections can result from the application of more than one pesticide on a crop during a growing season; in addition, a number of other factors can contribute to multiple detections. For example, unintentional spray drift in the field, planting of crops in fields previously treated with the pesticide, and/or transfer of residues of postharvest fungicides or growth regulators applied to other commodities stored in the same storage facilities could all contribute to residue detections.

In most cases, samples analyzed by PDP are composites of 3 to 5 pounds of commodity from the same lot. Therefore, the estimated concentrations for multiple residue detections in these composite sample results may or may not reflect the number or levels of pesticides in a single serving item of a commodity.

♦ Special Projects

Eggs: The NSL conducted testing on 294 egg samples. Appendix C shows that just one residue representing one pesticide was detected in eggs. Cyromazine was detected in two samples (0.7 percent). The residue detections were much lower than the established tolerance.

Milk: The California laboratory conducted testing for pesticide residues on 708 milk samples. One residue representing one pesticide was detected in milk (Appendix D). Flubendiamide was detected in 18 samples (2.5 percent) of milk. The residue detections were much lower than the established tolerance.

♦ Environmental Contaminants

Environmental contaminants include pesticides whose uses have been canceled in the United States, but their residues persist in the environment, particularly in soil, where they may be taken up by plants. These data are also used to facilitate international trade. Residue results for environmental contaminants may be found in Appendix E.

DDT, DDD, and DDE: PDP screened samples for various metabolites of DDT including: DDT o,p'; DDT p,p'; DDD o,p'; DDD p,p'; DDE o,p'; and DDE p,p'. Use of DDT has been prohibited in the United States since 1972; however, due to its persistence in the environment, low-level residues of DDT and its DDD and DDE metabolites were detected in some commodities tested. DDE p,p' was detected in spinach (39.2 percent), potatoes (16.7 percent), sweet potatoes (0.2 percent), tomatoes (0.2 percent), and grapes (0.1 percent). DDT p,p' was detected in spinach (15.1 percent), potatoes (4.5 percent), and lettuce (0.8 percent). DDT o,p' was detected in spinach (6.7 percent) and potatoes (1.4 percent). DDD o,p' was detected in spinach (0.6 percent). DDD p,p' was detected in spinach (0.3 percent), sweet potatoes (0.2 percent), and

potatoes (0.1 percent). No residues of DDE o,p' were detected in any samples. All residues detected were lower than established FDA ALs.

Other Extraneous Pesticides: PDP screened samples for other environmental contaminants including: aldrin, which readily metabolizes to dieldrin; BHC (alpha/beta/delta); chlordane (total, cis, trans) and its metabolite oxychlordane; dieldrin; endrin; heptachlor and its epoxide metabolite (total, cis); hexachlorobenzene (HCB); lindane (BHC gamma); and mirex. HCB was used as a seed protectant until 1965 and, due to its persistence, remains in soil and grasses. In 1974, all aldrin and dieldrin uses were canceled in the United States and, in 1978, all heptachlor and mirex uses were canceled. In 1986, chlordane uses, except termiticide uses, were canceled. Despite these cancellations and because they persist in the environment, trace residues of chlordane (cis and trans) and dieldrin were detected in some of the tested commodities.

For example, dieldrin was detected in 4.8 percent of cucumber samples, 2.1 percent of spinach samples, and 1.6 percent of potato samples. Chlordane (cis) was detected in 0.6 percent of spinach samples, 0.4 percent of potato samples, and 0.3 percent of cucumber samples. Chlordane (trans) was detected in 0.4 percent of spinach samples. No residues of aldrin, BHC (alpha/beta/delta), chlordane (total), endrin, heptachlor (parent), heptachlor epoxide (total, cis), HCB, lindane (BHC gamma), mirex, or oxychlordane were detected in any samples.

♦ 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. The FQPA of 1996 amended the Federal Insecticide, Fungicide and Rodenticide Act to require EPA to periodically review each pesticide registration using the most currently available data. Timely pesticide data provided by PDP enable the EPA to refine risk estimates used in the pesticide reregistration process.

A tolerance violation occurs when a residue is found that exceeds the tolerance level or when a certain residue is found for which there is no established tolerance. With the exception of meat, poultry, and egg products, for which USDA's Food Safety and Inspection Service is responsible, FDA enforces tolerances for all imported foods 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's headquarters office. This notification is made in accordance with a Memorandum of Understanding between USDA and FDA for the purpose of identifying areas where closer surveillance may be needed. FDA assesses PDP apparent violation data for appropriateness for follow up under its regulatory pesticide program. Due to the time period required for completion of PDP analyses and data reporting, FDA follow up will usually be at a subsequent harvest or commodity availability period.

Residues exceeding the established tolerance or Action Level are noted with an "X" in Appendix B. Similarly, residues for which a tolerance is not established are noted with a "V" in Appendix B. The "X" and "V" annotations are followed by a number indicating the number of samples reported to FDA. The EPA tolerances cited in this summary and appendices apply to 2016 and not to the current year. There may be instances where tolerances may have been recently changed that would have an effect on whether a residue is violative.

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 pesticide violations in Appendix J are combined residues of parent and any isomers and/or metabolites to count the total number of samples with tolerance violations.

A total of 318 samples with 358 pesticides was reported to FDA as Presumptive Tolerance Violations. Pesticides exceeding the tolerance were detected in 0.46 percent (48 samples) of the total samples tested (10,365 samples). Of these 48 samples, 26 were domestic (54.2 percent), 20 were imported (41.7 percent), and 2 were of unknown origin (4.1 percent). The samples containing pesticides that exceeded established tolerances included: 1 sample of fresh cherries, 11 samples of cucumbers, 6 grape samples, 3 fresh green bean samples, 16 samples of spinach, 3 samples of strawberries, 5 samples of sweet potatoes, and 3 samples of tomatoes.

Residues with no established tolerance were found in 2.6 percent (273 samples) of the total samples tested (10,365 samples). Of these 273 samples, 179 were domestic (65.6 percent), 90 were imported (32.9 percent), and 4 were of unknown origin (1.5 percent). These samples included 256 fresh fruit and vegetable samples and 17 processed fruit/vegetable samples. The 17 processed fruit/vegetable samples were frozen cherries and canned olives. There were 244 samples that contained 1 pesticide for which no tolerance was established, 21 samples with 2 pesticides for which no tolerance was established, and 8 samples that contained 3 pesticides for which no tolerance was established. Three of the 273 samples also contained 1 pesticide each that exceeded an established tolerance. In most cases, these pesticides with no established tolerance were detected at very low levels. Some pesticide residues may have resulted from unintentional spray drift in the field, planting of crops in fields previously treated with the pesticide, or transfer of pesticide residues of postharvest fungicides or growth regulators applied to other commodities stored in the same storage facilities. The pesticide residue levels and commodities are listed in Appendix J.

Appendix A

Commodity History

Appendix A identifies commodities sampled by the Pesticide Data Program (PDP) through December 2017. Updates to this list are posted on the PDP Web site at www.ams.usda.gov/pdp.

APPENDIX A. COMMODITY HISTORY
AS OF DECEMBER 2017

Fresh Commodities

Commodity	Start Date	End Date
Apples [1]	Sep-91	Dec-96
Apples (S-1)	Jan-99	Dec-99
Apples (S-2)	Jan-99	May-99
Apples	Oct-00	Sep-02
Apples (T-1)	Jan-03	Dec-03
Apples	Jan-04	Dec-05
Apples	Jan-09	Dec-10
Apples (B-1)	Aug-12	Oct-12
Apples	Oct-14	Sep-16
Asparagus	Jan-02	Jun-03
Asparagus	Jul-08	Jun-10
Asparagus	Jul-17	Ongoing
Avocados	Jul-12	Dec-12
Bananas	Sep-91	Sep-95
Bananas	Jan-01	Dec-02
Bananas (TSP)	Jul-03	Dec-03
Bananas	Jan-06	Dec-07
Bananas	Apr-12	Mar-14
Blueberries (cultivated) [2]	Jan-07	Dec-08
Blueberries (cultivated) [2]	Jan-14	Dec-14
Broccoli	Oct-92	Dec-94
Broccoli	Jan-01	Dec-02
Broccoli	Oct-06	Sep-08
Broccoli	Jan-13	Dec-14
Cabbage	Jan-10	Dec-11
Cabbage	Jul-17	Ongoing
Cantaloupe	Jul-98	Jun-00
Cantaloupe	Oct-03	Sep-05
Cantaloupe	Jan-10	Mar-10
Cantaloupe	Oct-10	Jun-12
Carrots [1]	Oct-92	Sep-96
Carrots	Oct-00	Sep-02
Carrots	Jan-06	Dec-07
Carrots	Jan-13	Dec-14
Cauliflower	Oct-04	Sep-06
Cauliflower	Oct-11	Sep-13
Celery	Feb-92	Mar-94
Celery	Jan-01	Dec-02
Celery	Jan-07	Dec-08
Celery	Jan-13	Dec-14
Cherries [3]	May-00	Aug-01
Cherries [2]	May-07	Sep-07
Cherries	Apr-14	Mar-16

Commodity	Start Date	End Date
Cilantro	Oct-09	Sep-10
Cranberries	Oct-06	Dec-06
Cranberries [2]	Oct-16	Ongoing
Cucumbers	Jan-99	Dec-00
Cucumbers	Oct-02	Sep-04
Cucumbers	Jan-09	Dec-10
Cucumbers	Jul-15	Jun-17
Eggplant	Jan-05	Dec-06
Grapefruit	Aug-91	Dec-93
Grapefruit	Jan-05	Dec-06
Grapefruit	Oct-15	Sep-17
Grapes [1]	May-91	Dec-96
Grapes	Jan-00	Dec-01
Grapes (TSP)	Jul-03	Dec-03
Grapes	Jan-04	Dec-05
Grapes	Jan-09	Dec-10
Grapes	Jan-15	Dec-16
Green Beans	Feb-92	Dec-95
Green Beans	Jan-00	Dec-01
Green Beans	Apr-04	Mar-05
Green Beans	Jan-07	Dec-08
Green Beans	Jul-13	Sep-16
Green Onions (scallions)	Oct-08	Sep-09
Greens (collard & kale)	Oct-06	Sep-08
Hot Peppers	Oct-10	Sep-11
Kale	Jan-17	Ongoing
Lettuce	May-91	Dec-94
Lettuce	Oct-99	Sep-01
Lettuce	Jan-04	Dec-05
Lettuce	Jan-10	Dec-11
Lettuce	Jul-15	Jun-17
Lettuce, Organic	Jan-09	Dec-09
Mangoes	Apr-10	Sep-10
Mangoes	Oct-17	Ongoing
Mushrooms	Oct-01	Sep-03
Mushrooms	Oct-11	Sep-13
Nectarines [4]	Jul-00	Sep-01
Nectarines	Jan-07	Dec-08
Nectarines	Jan-13	Dec-15
Onions	Jan-02	Dec-03
Onions	Oct-11	Sep-12
Onions	Jan-17	Dec-17
Oranges [1]	Aug-91	Dec-96
Oranges	Jan-00	Dec-01
Oranges	Jan-04	Dec-05
Oranges	Jan-09	Dec-10
Oranges	Jan-15	Dec-16
Papaya	Jul-11	Jun-12

Commodity	Start Date	End Date
Peaches	Feb-92	Sep-96
Peaches (S-3)	Jan-00	Sep-00
Peaches [5]	Jan-01	Sep-02
Peaches (T-1)	May-03	Sep-03
Peaches	Oct-06	Sep-08
Peaches (B-1)	Aug-12	Oct-12
Peaches	Jul-13	Jun-15
Pears	Jan-97	Jun-99
Pears (S-1)	Jul-98	Jun-99
Pears	Oct-03	Sep-05
Pears	Jan-09	Dec-10
Pears	Jan-15	Dec-16
Pears (B-1)	Oct-12	Nov-12
Pineapples	Jul-00	Jun-02
Plums [6]	Jan-05	Dec-06
Plums	Oct-11	Sep-13
Potatoes	May-91	Dec-95
Potatoes (S-4)	Dec-96	Dec-97
Potatoes	Jul-00	Jun-02
Potatoes	Jan-08	Dec-09
Potatoes	Jan-15	Dec-16
Raspberries [2]	Jan-13	Dec-13
Snap Peas	Jan-11	Dec-12
Snap Peas	Jan-17	Ongoing
Spinach [1]	Jan-95	Sep-97
Spinach	Jul-02	Dec-03
Spinach [7]	Jan-06	Sep-06
Spinach	Jan-08	Dec-09
Spinach	Jan-15	Dec-16
Strawberries [2]	Jan-98	Sep-00
Strawberries	Jan-04	Dec-05
Strawberries	Jan-08	Dec-09
Strawberries	Oct-14	Sep-16
Summer Squash	Oct-06	Sep-08
Summer Squash	Oct-12	Sep-14
Sweet Corn (on-the-cob)	Oct-08	Sep-10
Sweet Corn (on-the-cob)	Oct-14	Sep-15
Sweet Bell Peppers	Jan-99	Dec-00
Sweet Bell Peppers	Oct-02	Sep-04
Sweet Bell Peppers	Jan-10	Mar-12
Sweet Potatoes [1]	Jan-96	Jun-98
Sweet Potatoes	Jan-03	Dec-04
Sweet Potatoes	Oct-08	Sep-10
Sweet Potatoes	Apr-16	Ongoing
Tangerines	Jan-11	Dec-12
Tomatoes [1]	Jul-96	Jun-99
Tomatoes	Jan-03	Dec-04
Tomatoes	Jan-07	Dec-08

Commodity	Start Date	End Date
Tomatoes	Oct-14	Sep-16
Tomatoes, Cherry/Grape	Jan-11	Dec-12
Watermelon [8]	Oct-05	Sep-06
Watermelon	Apr-10	Sep-10
Watermelon	Jul-14	Jun-15
Winter Squash [2]	Jan-97	Jun-99
Winter Squash	Jul-04	Jun-06
Winter Squash	Oct-11	Mar-13

NOTES

[1] Excludes sampling hiatus September - November 1996.

[2] Frozen collected when fresh unavailable.

[3] Sampling adjusted for market availability. Cherries were sampled for 2 years (May-00 - Aug-01) for a total of 6 months.

[4] Sampling adjusted for market availability. Nectarines were sampled for 2 years (Jul-00 - Sep-01) for a total of 6 months.

[5] Sampling adjusted for market availability. Peaches were sampled for 2 years (Jan-01 - Sep-02) for a total of 16 months.

[6] Dried plums (prunes) were collected when fresh plums were not available.

[7] Spinach ended earlier than planned due to the unavailability of product.

[8] Samples collected in California, Florida, and Texas only.

(B-1) Special project testing for bifenthrin in multi-residue screen.
(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
Apple Juice	Jul-07	Jun-08
Apple Juice	Jul-12	Jun-13
Applesauce	Jul-02	Dec-02
Applesauce	Jan-06	Dec-06
Applesauce	Oct-16	Sep-17
Asparagus, Canned	Jul-03	Dec-03
Beans, Canned (4 varieties) [2]	Oct-08	Sep-10
Beets, Canned	Jan-11	Dec-11
Blueberries (cultivated), Frozen [3]	Jan-07	Dec-08
Blueberries (cultivated/wild), Frozen [3]	Jan-14	Dec-14
Cherries, Frozen [4]	Apr-14	Mar-16
Corn Syrup [4]	Jan-98	Jun-99
Cranberries, Frozen [3]	Oct-16	Ongoing
Garbanzo Beans, Canned	Oct-17	Ongoing
Grape Juice	Jan-98	Dec-99
Grape Juice	Jan-08	Dec-08
Grape Juice	Oct-13	Sep-14
Green Beans, Canned/Frozen [1]	Jan-96	Jun-98
Green Beans, Canned	Jan-03	Mar-04
Green Beans, Frozen	Apr-05	Dec-05
Green Beans, Canned/Frozen	Jan-14	Dec-14
Olives, Canned	Oct-16	Ongoing
Orange Juice	Jan-97	Dec-98
Orange Juice	Oct-04	Sep-06
Orange Juice	Oct-10	Sep-11
Orange Juice	Jan-12	Jun-12
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
Pear Juice, Concentrate/Puree	Jul-02	Jun-03
Pears, Canned	Jul-99	Jun-00
Peas, Canned/Frozen	Apr-94	Jun-96
Peas, Canned/Frozen [5]	Oct-01	Sep-03
Peas, Frozen	Jan-06	Dec-06
Pineapple, Canned	Jan-17	Dec-17
Plums, Dried (Prunes) [6]	Jan-05	Dec-06
Plums, Dried (Prunes)	Oct-17	Ongoing
Potatoes, Frozen	Jan-06	Dec-07
Raisins	Jul-06	Jun-07
Raspberries, Frozen [3]	Jan-13	Dec-13
Spinach, Canned	Oct-97	Dec-98

Commodity	Start Date	End Date
Spinach, Canned	Jan-04	Jun-04
Spinach, Canned/Frozen	Jul-10	Jun-11
Spinach, Frozen	Jan-99	Dec-99
Strawberries, Frozen [3]	Jan-98	Sep-00
Sweet Corn, Canned/Frozen	Apr-94	Mar-96
Sweet Corn, Canned/Frozen [5]	Oct-01	Sep-03
Sweet Corn, Frozen [3]	Oct-08	Sep-10
Sweet Corn, Frozen [3]	Oct-14	Sep-15
Tomato Paste, Canned	Jan-01	Jun-01
Tomato Paste, Canned	Jan-09	Dec-09
Tomatoes, Canned	Jul-99	Jun-00
Tomatoes, Canned	Oct-16	Sep-17
Winter Squash, Frozen [3]	Jan-97	Jun-99

Baby Food / Formula Products

Commodity	Start Date	End Date
Baby Food, Applesauce	Jul-12	Jun-13
Baby Food, Carrots	Jan-12	Dec-12
Baby Food, Green Beans	Oct-10	Sep-11
Baby Food, Peaches	Jan-12	Dec-12
Baby Food, Pears	Oct-10	Sep-11
Baby Food, Peas	Jul-12	Jun-13
Baby Food, Sweet Potatoes	Oct-10	Sep-11
Infant Formula, Dairy-Based	Oct-13	Sep-14
Infant Formula, Soy-Based	Oct-13	Sep-14

NOTES

[1] Excludes sampling hiatus September - November 1996.

[2] Bean varieties included black, garbanzo, kidney, and pinto.

[3] Frozen collected when fresh unavailable.

[4] Excludes sampling hiatus January 1999.

[5] Canned samples collected in first year and frozen samples in second year of testing.

[6] Dried plums (prunes) were collected when fresh plums were not available.

(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	Sep-08
Oats	Jul-99	Apr-00
Oats	Jan-10	Jun-10
Oats	Apr-14	Aug-14
Rice	Oct-00	Sep-02
Rice[1]	Oct-08	Sep-09
Rice	Apr-14	Aug-14
Soybeans	Sep-96	Feb-98
Soybeans	Oct-03	Sep-05
Soybeans	Sep-10	Apr-11
Soybeans (S-1)	Oct-05	Dec-05
Wheat	Feb-95	Jan-98
Wheat	Sep-04	Jun-06
Wheat	Jul-12	Sep-12
Wheat Flour	Jan-03	Dec-04
Wheat Flour (T-1)	Jan-03	Dec-03

Nuts and Nut Products

Commodity	Start Date	End Date
Almonds	Jul-07	Mar-08
Peanut Butter	Jan-00	Dec-00
Peanut Butter (TSP)	Jul-03	Dec-03
Peanut Butter	Jan-06	Dec-06
Peanut Butter	Apr-15	Aug-15

Dairy Products

Commodity	Start Date	End Date
Butter	Jan-03	Dec-03
Butter	Jan-12	Dec-13
Heavy Cream	Jul-05	Dec-05
Heavy Cream	Jan-07	Dec-07
Milk [2]	Jan-96	Oct-98
Milk (TSP)	Jul-03	Dec-03
Milk	Jan-04	Dec-05
Milk	Jan-11	Dec-11
Milk	Jan-16	Dec-17

Fish Products

Commodity	Type	Start Date	End Date
Fish [3]	Catfish	Apr-08	Jun-10
Fish	Salmon	Jul-13	Jun-14

Meat / Poultry / Pork Products

Commodity	Type	Start Date	End Date
Poultry	Young Chickens	Apr-00	Mar-01
Poultry	Young & Mature Chickens	Jan-06	Dec-06
Beef	Cows, Heifers, Steers	Jun-01	Jul-02
Beef [4]	Cows, Heifers, Steers	Dec-08	May-09
Pork	Gilt, Barrow	Jan-05	Jun-05

Other Products

Commodity	Start Date	End Date
Eggs (TSP)	Jul-03	Dec-03
Eggs	Jul-10	Jun-11
Eggs	Apr-16	Aug-16
Honey	Oct-07	Sep-08
Honey	Apr-17	Aug-17

Drinking Water

States	Start Date	End Date
Finished Water Only (27 sites)		
California, Colorado, Kansas, New York, Texas	Mar-01	Dec-03
Raw Intake and Finished Water (70 sites)	Jan-04	Apr-13
Alabama, Arizona, California, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Missouri, Montana, New Jersey, New York, North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, Washington State, and Washington, D.C.		
Bottled Water		
10 Participating States	Jan-05	Dec-06
10 Participating States	Jan-17	Dec-17
Groundwater		
1,495 Private Wells in 45 States plus Washington, DC	Jan-07	Feb-13
16 Municipal Water Facilities in 13 States	Mar-10	Feb-13

NOTES

[1] Includes sampling hiatus May-July 2009.

[2] Excludes sampling hiatus September - November 1996.

[3] Excludes sampling hiatus April-June 2009.

[4] Survey ended 7 months early due to budgetary constraints.

(S-1) Special survey for fungicides used to combat soybean rust.

(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), and U.S. Environmental Protection Agency (EPA) tolerances for each pair. The EPA tolerances cited in this summary and appendixes apply to 2016 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

In 2016, 9,363 fruit and vegetable samples were analyzed, of which 8,626 were fresh products and 737 were processed products.

Action Levels (ALs) are shown in this appendix, where applicable, and denote AL values established by the U.S. Food and Drug Administration (FDA). Under the Food Quality Protection Act, responsibility for establishing tolerances in lieu of ALs has been transferred to EPA. In the interim, ALs are used.

The Pesticide Data Program reports tolerance violations to 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 "Tolerance Violation" column 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, Title 40, Part 180). In both cases, these annotations are followed by a number indicating the number of samples reported to FDA.

Results for environmental contaminants across all commodities, including fruit and vegetables, have been consolidated in a separate appendix because they have no registered uses and are not applied to crops (see Appendix E).

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

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
2,4,5-T (herbicide)							
Grapefruit	268	0			0.10 ^		NT
Strawberries	530	0			0.10 ^		NT
TOTAL	**798**	**0**					
2,4-D (herbicide)							
Grapefruit	268	0			0.050 ^		3.0
Strawberries	530	0			0.050 ^		0.05
TOTAL	**798**	**0**					
2,4-DB (herbicide)							
Grapefruit	268	0			0.10 ^		NT
Strawberries	530	0			0.10 ^		NT
TOTAL	**798**	**0**					
2,4-dimethylphenyl formamide (2,4-DMPF) (insecticide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
2,6-DIPN (plant growth regulator)							
Grapefruit	90	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
TOTAL	**279**	**0**					
Abamectin (insecticide)							
Applesauce	190	0			0.050 ^		0.02
Grapefruit	358	0			0.020 ^		0.02
Grapes	708	0			0.050 ^		0.02
Olives, Canned	189	0			0.020 ^		0.01
Pears	707	0			0.050 ^		0.02
Strawberries	530	1	0.2	0.029 ^	0.020 ^		0.05
TOTAL	**2,682**	**1**					
Acephate (insecticide)							
Apples	531	0			0.003 ^		0.02
Applesauce	190	0			0.003 ^		0.02
Cherries	30	0			0.15 ^		0.02
Cherries, Frozen	144	0			0.15 ^		0.02
Cranberries	156	0			0.015 ^		0.5
Cranberries, Frozen	25	0			0.015 ^		0.5
Cucumbers	731	0			0.050 ^		0.02
Grapefruit	704	0			0.005 - 0.030		0.02
Grapes	708	0			0.050 ^		0.02
Green Beans	567	51	9	0.031 - 1.7	0.030 ^		3.0
Lettuce	756	39	5.2	0.003 - 0.14	0.003 ^		10
Olives, Canned	189	0			0.005 ^		0.02
Oranges	708	0			0.050 ^		0.02
Pears	707	0			0.050 ^		0.02
Potatoes	708	0			0.002 - 0.005		0.02
Spinach	707	0			0.005 - 0.15		0.02
Strawberries	530	0			0.005 ^		0.02
Sweet Potatoes	532	0			0.15 ^		0.02

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tomatoes	528	1	0.2	0.023 ^	0.002 - 0.010		0.02
Tomatoes, Canned	189	0			0.002 ^		0.02
TOTAL	**9,340**	**91**					
Acetamiprid (insecticide)							
Apples	531	173	32.6	0.002 - 0.18	0.002 ^		1.0
Applesauce	190	150	78.9	0.002 - 0.079	0.002 ^		1.0
Cherries	30	18	60	0.003 - 0.13	0.002 ^		1.20
Cherries, Frozen	144	92	63.9	0.002 - 0.10	0.002 ^		1.20
Cranberries	156	0			0.002 ^		1.6
Cranberries, Frozen	25	0			0.002 ^		1.6
Cucumbers	754	24	3.2	0.010 - 0.070	0.010 ^		0.50
Grapefruit	704	5	0.7	0.001 - 0.012	0.001 - 0.002		1.0
Grapes	708	63	8.9	0.017 - 2.1	0.010 ^	X - 4	0.35
Green Beans	567	8	1.4	0.002 - 0.17	0.002 ^		0.60
Lettuce	756	29	3.8	0.002 - 0.23	0.002 ^		3.00
Olives, Canned	189	0			0.001 ^		0.01
Oranges	708	5	0.7	0.011 - 0.014	0.010 ^		1.0
Pears	706	102	14.4	0.017 - 0.35	0.010 ^		1.0
Potatoes	708	0			0.001 ^		0.01
Spinach	707	64	9.1	0.002 - 1.3	0.001 - 0.005		3.00
Strawberries	530	158	29.8	0.001 - 0.89	0.001 ^	X - 1	0.60
Sweet Potatoes	532	0			0.005 ^		0.01
Tomatoes	528	47	8.9	0.002 - 0.076	0.001 ^		0.20
Tomatoes, Canned	189	2	1.1	0.002 ^	0.001 ^		0.20
TOTAL	**9,362**	**940**					
Acetochlor (herbicide)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cranberries	156	0			0.030 ^		NT
Cranberries, Frozen	25	0			0.030 ^		NT
Grapefruit	704	0			0.005 ^		NT
Green Beans	567	0			0.005 ^		NT
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.050 ^		NT
TOTAL	**4,180**	**0**					
Acibenzolar S methyl (plant activator)							
Apples	531	0			0.020 ^		0.03
Applesauce	190	0			0.020 ^		0.03
Cranberries	156	0			0.030 ^		0.15
Cranberries, Frozen	25	0			0.030 ^		0.15
Grapefruit	346	0			0.005 ^		0.02
Green Beans	567	0			0.020 ^		NT
Lettuce	756	0			0.020 ^		0.25
Pears	707	0			0.015 ^		0.03
Potatoes	708	0			0.004 - 0.012		NT
Spinach	707	0			0.004 - 0.040		1.0
Sweet Potatoes	266	0			0.040 ^		NT
Tomatoes	528	0			0.004 - 0.012		1.0
Tomatoes, Canned	189	0			0.004 - 0.012		1.0
TOTAL	**5,676**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Acifluorfen (herbicide)							
Grapefruit	358	0			0.050 ^		NT
Olives, Canned	189	0			0.050 ^		NT
Strawberries	530	0			0.050 ^		0.05
TOTAL	**1,077**	**0**					
Alachlor (herbicide)							
Cranberries	156	0			0.020 ^		NT
Cranberries, Frozen	25	0			0.020 ^		NT
Grapefruit	704	0			0.010 - 0.020		NT
Green Beans	567	0			0.020 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**3,954**	**0**					
Aldicarb (insecticide)							
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.005		0.3
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		0.3
Potatoes	708	0			0.001 ^		1
Spinach	707	0			0.003 - 0.020		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.020 ^		0.1
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**5,904**	**0**					
Aldicarb sulfone (metabolite of Aldicarb)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.025 ^		NT
Cherries, Frozen	144	0			0.025 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.003 - 0.020		0.3
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		0.3
Potatoes	708	0			0.003 ^		1
Spinach	707	0			0.003 - 0.025		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.025 ^		0.1
Tomatoes	528	0			0.003 - 0.010		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**7,381**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Aldicarb sulfoxide (metabolite of Aldicarb)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.051 ^		NT
Cherries, Frozen	144	0			0.051 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.003 ^		0.3
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		0.3
Potatoes	708	0			0.002 - 0.006		1
Spinach	707	0			0.002 - 0.055		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.055 ^		0.1
Tomatoes	528	0			0.002 - 0.006		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**6,854**	**0**					
Allethrin (insecticide)							
Cherries	30	0			0.080 ^		NT
Cherries, Frozen	144	0			0.080 ^		NT
Cucumbers	754	0			0.020 - 0.040		NT
Grapefruit	704	0			0.010 - 0.050		NT
Grapes	708	0			0.030 ^		NT
Green Beans	567	0			0.050 ^		EX
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.020 - 0.040		NT
Spinach	349	0			0.085 ^		NT
Strawberries	530	0			0.010 ^		EX
Sweet Potatoes	532	0			0.080 ^		NT
TOTAL	**5,215**	**0**					
Ametoctradin (fungicide)							
Cranberries	156	0			0.001 ^		NT
Cranberries, Frozen	25	0			0.001 ^		NT
Grapefruit	704	1	0.1	0.017 ^	0.001 ^	V - 1	NT
Green Beans	567	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	1	0.1	0.002 ^	0.001 ^		0.05
Spinach	358	214	59.8	0.002 - 13	0.001 ^		50.0
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	14	2.7	0.002 - 0.011	0.001 ^		1.5
Tomatoes, Canned	189	0			0.001 ^		1.5
TOTAL	**3,954**	**230**					
Ametryn (herbicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.005		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**3,066**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Amicarbazone (herbicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Asulam (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Atrazine (herbicide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.001 - 0.005		NT
Lettuce	756	1	0.1	0.004 ^	0.002 ^		0.25
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	707	6	0.8	0.002 ^	0.001 ^		0.25
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.001 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**7,207**	**7**					
Azinphos (insecticide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Azinphos methyl (insecticide)							
Apples	531	0			0.010 ^		1.5
Applesauce	190	0			0.010 ^		1.5
Cherries	30	0			0.004 - 0.008		2.0
Cherries, Frozen	144	0			0.004 - 0.008		2.0
Cranberries	156	0			0.010 ^		0.5
Cranberries, Frozen	25	0			0.010 ^		0.5
Cucumbers	754	0			0.020 ^		NT
Grapefruit	704	0			0.005 - 0.020		NT
Grapes	708	0			0.015 ^		NT
Green Beans	567	0			0.020 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.020 ^		NT
Pears	707	2	0.3	0.025 ^	0.015 ^		1.5
Potatoes	708	0			0.012 ^		NT
Spinach	707	0			0.005 - 0.012		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tomatoes	528	0			0.012 ^		NT
Tomatoes, Canned	189	0			0.012 ^		NT
TOTAL	**9,363**	**2**					
Azinphos methyl oxygen analog (metabolite of Azinphos methyl)							
Apples	531	0			0.010 ^		1.5
Applesauce	190	0			0.010 ^		1.5
Cherries	30	0			0.003 ^		2.0
Cherries, Frozen	144	0			0.003 ^		2.0
Cranberries	156	0			0.015 ^		0.5
Cranberries, Frozen	25	0			0.015 ^		0.5
Grapefruit	704	0			0.003 - 0.015		NT
Grapes	708	0			0.003 ^		NT
Green Beans	567	0			0.003 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Pears	707	1	0.1	0.005 ^	0.003 ^		1.5
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**6,118**	**1**					
Azoxystrobin (fungicide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cherries	30	0			0.005 ^		2.0
Cherries, Frozen	144	3	2.1	0.012 - 0.14	0.005 ^		1.5
Cranberries	156	35	22.4	0.001 - 0.008	0.001 ^		5.0
Cranberries, Frozen	25	1	4	0.001 ^	0.001 ^		5.0
Cucumbers	754	110	14.6	0.002 - 0.039	0.002 ^		0.3
Grapefruit	704	1	0.1	0.013 ^	0.001 - 0.010		15.0
Grapes	708	32	4.5	0.005 - 0.048	0.003 ^		2.0
Green Beans	567	150	26.5	0.001 - 0.47	0.001 ^		3.0
Lettuce	756	8	1.1	0.002 - 0.16	0.002 ^		30.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	2	0.3	0.004 - 0.022	0.002 ^		15.0
Potatoes	708	197	27.8	0.002 - 1.2	0.001 ^		8.0
Spinach	707	37	5.2	0.002 - 4.4	0.001 - 0.010		30.0
Strawberries	530	88	16.6	0.001 - 0.64	0.001 ^		10.0
Sweet Potatoes	532	0			0.010 ^		8.0
Tomatoes	528	124	23.5	0.002 - 0.045	0.001 ^		0.2
Tomatoes, Canned	189	30	15.9	0.002 - 0.012	0.001 ^		0.2
TOTAL	**8,656**	**818**					
Benalaxyl (fungicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Benazolin (herbicide)							
Grapefruit	358	0			0.050 ^		NT
Olives, Canned	189	0			0.050 ^		NT
Strawberries	530	0			0.050 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Bendiocarb (insecticide)							
Apples	531	0			0.003 ^		SU
Applesauce	190	0			0.003 ^		SU
Cherries	30	0			0.010 ^		SU
Cherries, Frozen	144	0			0.010 ^		SU
Cranberries	156	0			0.002 ^		SU
Cranberries, Frozen	25	0			0.002 ^		SU
Cucumbers	754	0			0.005 ^		SU
Grapefruit	704	0			0.001 - 0.015		SU
Grapes	708	0			0.003 ^		SU
Green Beans	567	0			0.015 ^		SU
Lettuce	756	0			0.003 ^		SU
Olives, Canned	189	0			0.001 ^		SU
Oranges	708	0			0.005 ^		SU
Pears	707	0			0.003 ^		SU
Potatoes	708	0			0.001 ^		SU
Spinach	707	0			0.001 - 0.010		SU
Strawberries	530	0			0.001 ^		SU
Sweet Potatoes	532	0			0.010 ^		SU
Tomatoes	528	0			0.001 ^		SU
Tomatoes, Canned	189	0			0.001 ^		SU
TOTAL	**9,363**	**0**					
Benfluralin (herbicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Grapefruit	358	0			0.005 ^		NT
Lettuce	756	0			0.010 ^		0.05
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**2,554**	**0**					
Benoxacor (herbicide safener)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.012 ^		NT
Cherries, Frozen	144	0			0.012 ^		NT
Cranberries	156	0			0.020 ^		0.01
Cranberries, Frozen	25	0			0.020 ^		0.01
Grapefruit	704	0			0.003 - 0.020		NT
Green Beans	567	0			0.020 ^		0.01
Lettuce	756	0			0.010 ^		0.01
Olives, Canned	189	0			0.003 ^		NT
Potatoes	708	0			0.001 ^		0.01
Spinach	707	0			0.001 - 0.015		0.01
Strawberries	530	0			0.003 ^		0.01
Sweet Potatoes	532	0			0.015 ^		0.01
Tomatoes	528	0			0.001 ^		0.01
Tomatoes, Canned	189	0			0.001 ^		0.01
TOTAL	**6,486**	**0**					
Bensulide (herbicide)							
Apples	531	0			0.004 ^		NT
Applesauce	190	0			0.004 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.005 - 0.015		NT
Green Beans	567	0			0.015 ^		NT
Lettuce	756	2	0.3	0.005 ^	0.004 ^		0.15
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**3,467**	**2**					
Bensulide oxygen analog (metabolite of Bensulide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Grapefruit	346	0			0.002 ^		NT
Green Beans	567	0			0.002 ^		NT
Lettuce	756	15	2	0.002 - 0.009	0.002 ^		0.15
TOTAL	**2,571**	**15**					
Bentazon (herbicide)							
Cherries	30	0			0.030 ^		NT
Cherries, Frozen	144	0			0.030 ^		NT
Cranberries	156	0			0.050 ^		NT
Cranberries, Frozen	25	0			0.050 ^		NT
Grapefruit	704	0			0.003 - 0.10		NT
Green Beans	567	0			0.10 ^		0.5
Olives, Canned	189	0			0.003 ^		NT
Spinach	349	0			0.030 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.030 ^		NT
TOTAL	**3,226**	**0**					
Benthiavalicarb isopropyl (fungicide)							
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Spinach	349	0			0.010 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**1,055**	**0**					
Bifenazate (acaricide)							
Cherries	30	0			0.005 ^		2.5
Cherries, Frozen	144	0			0.005 ^		2.5
Grapefruit	358	0			0.003 ^		NT
Grapes	708	3	0.4	0.017 ^	0.010 ^		0.75
Olives, Canned	189	0			0.003 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	109	20.6	0.003 - 0.93	0.003 ^		1.5
Sweet Potatoes	532	0			0.005 ^		0.10
TOTAL	**2,840**	**112**					
Bifenox (herbicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Bifenthrin (insecticide)							
Apples	531	3	0.6	0.039 - 0.060	0.002 ^		0.5
Applesauce	190	2	1.1	0.002 ^	0.002 ^		0.5
Cherries	30	0			0.008 ^		0.05
Cherries, Frozen	144	0			0.008 ^		0.05
Cranberries	156	0			0.005 ^		1.8
Cranberries, Frozen	25	0			0.005 ^		1.8
Cucumbers	754	74	9.8	0.005 - 0.085	0.005 ^		0.4
Grapefruit	704	0			0.003 - 0.040		0.05
Grapes	708	28	4	0.002 - 0.099	0.001 ^		0.2
Green Beans	567	45	7.9	0.040 - 0.19	0.040 ^		0.6
Lettuce	756	11	1.5	0.002 - 0.17	0.002 ^		3.0
Olives, Canned	189	0			0.003 ^		0.05
Oranges	708	0			0.005 ^		0.05
Pears	707	2	0.3	0.002 - 0.005	0.001 ^		0.5
Potatoes	708	27	3.8	0.002 - 0.008	0.001 ^		0.05
Spinach	707	51	7.2	0.002 - 1.3	0.001 - 0.010	X - 3	0.2
Strawberries	530	135	25.5	0.003 - 0.29	0.003 ^		3.0
Sweet Potatoes	532	4	0.8	0.019 - 0.088	0.010 ^	X - 2	0.05
Tomatoes	528	84	15.9	0.002 - 0.069	0.001 ^		0.15
Tomatoes, Canned	189	32	16.9	0.002 - 0.015	0.001 ^		0.15
TOTAL	**9,363**	**498**					
Biphenyl (fungicide)							
Spinach	349	0			0.075 ^		NT
Sweet Potatoes	532	0			0.075 ^		NT
TOTAL	**881**	**0**					
Bitertanol (fungicide)							
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.010 ^		NT
Pears	707	0			0.002 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**3,246**	**0**					
Boscalid (fungicide)							
Apples	531	121	22.8	0.003 - 0.21	0.003 ^		3.0
Applesauce	190	17	8.9	0.004 - 0.026	0.003 ^		3.0
Cherries	30	1	3.3	0.025 ^	0.013 ^		3.5
Cherries, Frozen	144	53	36.8	0.013 - 0.35	0.013 ^		3.5
Cranberries	156	0			0.005 ^		13.0
Cranberries, Frozen	25	0			0.005 ^		13.0
Cucumbers	754	46	6.1	0.011 - 0.098	0.010 ^		0.5
Grapefruit	704	0			0.003 - 0.005		2.0
Grapes	708	421	59.5	0.008 - 1.2	0.005 ^		5.0
Green Beans	567	63	11.1	0.005 - 0.54	0.005 ^		1.6
Lettuce	756	52	6.9	0.003 - 0.063	0.003 ^		11.0
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		2.0
Pears	707	159	22.5	0.008 - 0.24	0.005 ^		3.0
Potatoes	708	138	19.5	0.003 - 0.034	0.002 ^		0.05
Spinach	707	136	19.2	0.003 - 0.14	0.002 - 0.015		60
Strawberries	530	288	54.3	0.003 - 1.2	0.003 ^		4.5

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Potatoes	532	0			0.015 ^		0.05
Tomatoes	528	147	27.8	0.003 - 0.089	0.002 ^		3.0
Tomatoes, Canned	189	0			0.002 ^		3.0
TOTAL	**9,363**	**1,642**					
Bromacil (herbicide)							
Apples	531	0			0.003 ^		NT
Applesauce	190	0			0.003 ^		NT
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	704	0			0.005 - 0.010		0.1
Lettuce	756	0			0.003 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Spinach	349	0			0.020 ^		NT
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.020 ^		NT
TOTAL	**4,136**	**0**					
Bromopropylate (acaricide)							
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**2,539**	**0**					
Bromoxynil (herbicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Bromuconazole (fungicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Bupirimate (fungicide)							
Cherries	30	0			0.002 ^		NT
Cherries, Frozen	144	0			0.002 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**3,594**	**0**					
Buprofezin (insecticide)							
Apples	531	4	0.8	0.005 - 0.52	0.001 ^		3.0
Applesauce	190	2	1.1	0.001 - 0.002	0.001 ^		3.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cherries	30	4	13.3	0.002 - 0.042	0.001 ^		1.9
Cherries, Frozen	144	21	14.6	0.001 - 0.022	0.001 ^		1.9
Cranberries	156	0			0.001 ^		2.5
Cranberries, Frozen	25	0			0.001 ^		2.5
Cucumbers	754	7	0.9	0.010 - 0.014	0.010 ^		0.50
Grapefruit	704	2	0.3	0.002 - 0.004	0.001 ^		2.5
Grapes	707	74	10.5	0.005 - 0.30	0.003 ^		2.5
Green Beans	567	7	1.2	0.001 - 0.018	0.001 ^		0.02
Lettuce	756	2	0.3	0.002 - 0.005	0.001 ^		35
Olives, Canned	189	27	14.3	0.001 - 0.073	0.001 ^		3.5
Oranges	708	0			0.010 ^		2.5
Pears	707	30	4.2	0.005 - 0.29	0.003 ^		6.0
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 ^		35
Strawberries	530	7	1.3	0.002 - 0.38	0.001 ^		2.5
Sweet Potatoes	532	0			0.001 ^		NT
Tomatoes	528	33	6.2	0.002 - 0.13	0.001 ^		2.0
Tomatoes, Canned	189	0			0.001 ^		2.0
TOTAL	**9,362**	**220**					
Butocarboxim (insecticide, acaricide)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cucumbers	754	0			0.010 ^		NT
Oranges	708	0			0.010 ^		NT
Spinach	349	0			0.010 - 0.020		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**2,517**	**0**					
Butocarboxim sulfone (metabolite of Butocarboxim)							
Cherries	30	0			0.011 ^		NT
Cherries, Frozen	144	0			0.011 ^		NT
Spinach	349	0			0.015 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
TOTAL	**1,055**	**0**					
Butocarboxim sulfoxide (metabolite of Butocarboxim)							
Cherries	30	0			0.006 ^		NT
Cherries, Frozen	144	0			0.006 ^		NT
Spinach	349	0			0.010 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**1,055**	**0**					
Butylate (herbicide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Cadusafos (insecticide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Captan (fungicide) (parent of THPI)							
Cucumbers	610	0			0.020 ^		0.05
Grapes	708	3	0.4	0.083 - 1.5	0.050 ^		25.0
Oranges	708	0			0.020 ^		NT
Pears	707	28	4	0.083 - 0.93	0.050 ^		25.0
TOTAL	**2,733**	**31**					
Carbaryl (insecticide)							
Apples	531	5	0.9	0.004 - 0.58	0.003 ^		12
Applesauce	190	3	1.6	0.008 - 0.053	0.003 ^		12
Cherries	30	0			0.003 ^		10
Cherries, Frozen	144	17	11.8	0.004 - 0.69	0.003 ^		10
Cranberries	156	0			0.002 ^		3.0
Cranberries, Frozen	25	0			0.002 ^		3.0
Cucumbers	754	1	0.1	0.023 ^	0.010 ^		3.0
Grapefruit	704	4	0.6	0.003 - 0.004	0.002 - 0.003		10
Grapes	708	0			0.004 ^		10
Green Beans	567	5	0.9	0.006 - 0.21	0.002 ^		10
Lettuce	756	1	0.1	0.052 ^	0.003 ^		10
Olives, Canned	189	0			0.003 ^		10
Oranges	708	12	1.7	0.012 - 0.043	0.010 ^		10
Pears	707	0			0.004 ^		12
Potatoes	708	0			0.001 ^		2.0
Spinach	707	0			0.001 - 0.005		22
Strawberries	530	1	0.2	0.014 ^	0.003 ^		4.0
Sweet Potatoes	532	0			0.005 ^		0.2
Tomatoes	528	0			0.001 - 0.003		5.0
Tomatoes, Canned	189	0			0.003 ^		5.0
TOTAL	**9,363**	**49**					
Carbendazim - MBC (fungicide) (metabolite of Benomyl and Thiophanate Methyl)							
Apples	531	75	14.1	0.001 - 0.11	0.001 ^		2.0
Applesauce	190	133	70	0.001 - 0.076	0.001 ^		2.0
Cherries	30	1	3.3	0.022 ^	0.005 ^		20.0
Cherries, Frozen	144	30	20.8	0.005 - 0.58	0.005 ^		20.0
Cucumbers	754	57	7.6	0.010 - 0.082	0.010 ^		1.0
Grapefruit	358	0			0.001 ^		NT
Grapes	708	1	0.1	0.017 ^	0.010 ^		5.0
Lettuce	756	0			0.001 ^		NT
Olives, Canned	189	4	2.1	0.002 ^	0.001 ^	V - 4	NT
Oranges	708	0			0.010 ^		NT
Pears	707	182	25.7	0.017 - 0.15	0.010 ^		3.0
Spinach	707	1	0.1	0.004 ^	0.001 - 0.010	V - 1	NT
Strawberries	530	68	12.8	0.002 - 0.26	0.001 ^		7.0
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	509	5	1	0.002 - 0.028	0.001 ^	V - 5	NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**7,542**	**557**					
Carbofuran (insecticide) (parent of 3-Hydroxycarbofuran)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cherries	30	0			0.006 - 0.012		NT
Cherries, Frozen	144	0			0.006 - 0.012		NT
Cranberries	156	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	Tolerance Violation	EPA Tolerance Level, ppm
Cranberries, Frozen	25	0			0.002 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.001 ^		NT
Grapes	708	0			0.001 ^		NT
Green Beans	567	3	0.5	0.002 - 0.012	0.001 ^	V - 3	NT
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Pears	707	0			0.001 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.010		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**9,363**	**3**					
Carbophenothion (insecticide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**2,860**	**0**					
Carboxin (fungicide)							
Cranberries	156	0			0.025 ^		NT
Cranberries, Frozen	25	0			0.025 ^		NT
Grapefruit	704	0			0.003 - 0.050		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	503	0			0.003 ^		NT
TOTAL	**1,577**	**0**					
Carfentrazone (herbicide)							
Apples	531	0			0.005 ^		0.10
Applesauce	190	0			0.005 ^		0.10
Cherries	30	0			0.016 ^		0.10
Cherries, Frozen	144	0			0.016 ^		0.10
Cranberries	156	0			0.005 ^		0.10
Cranberries, Frozen	25	0			0.005 ^		0.10
Cucumbers	754	0			0.005 ^		0.10
Grapefruit	704	0			0.003 - 0.005		0.10
Grapes	708	0			0.002 ^		0.10
Green Beans	567	0			0.005 ^		0.10
Lettuce	756	0			0.005 ^		0.10
Olives, Canned	189	0			0.003 ^		0.10
Oranges	708	0			0.005 ^		0.10
Pears	707	0			0.002 ^		0.10
Potatoes	708	0			0.005 - 0.015		0.10
Spinach	707	0			0.005 - 0.020		0.10
Strawberries	530	0			0.003 ^		0.10
Sweet Potatoes	532	0			0.020 ^		0.10

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tomatoes	508	0			0.005 - 0.015		0.10
Tomatoes, Canned	189	0			0.005 ^		0.10
TOTAL	**9,343**	**0**					
Chlorantraniliprole (insecticide)							
Apples	531	134	25.2	0.010 - 0.076	0.010 ^		1.2
Applesauce	190	2	1.1	0.011 - 0.015	0.010 ^		1.2
Cranberries	156	11	7.1	0.005 - 0.014	0.005 ^		2.5
Cranberries, Frozen	25	0			0.005 ^		2.5
Cucumbers	754	2	0.3	0.025 - 0.033	0.020 ^		0.5
Grapefruit	704	0			0.001 - 0.005		1.4
Grapes	708	65	9.2	0.025 - 0.069	0.015 ^		2.5
Green Beans	567	65	11.5	0.001 - 0.051	0.001 ^		2.0
Lettuce	756	20	2.6	0.010 - 0.35	0.010 ^		13
Olives, Canned	189	0			0.005 ^		4.0
Oranges	708	0			0.020 ^		1.4
Pears	706	91	12.9	0.025 - 0.083	0.015 ^		1.2
Potatoes	708	2	0.3	0.003 ^	0.002 - 0.005		0.30
Spinach	707	232	32.8	0.003 - 9.3	0.002 - 0.010		13
Strawberries	530	53	10	0.005 - 0.16	0.005 ^		1.0
Sweet Potatoes	532	0			0.010 ^		0.30
Tomatoes	528	114	21.6	0.003 - 0.056	0.002 ^		1.4
Tomatoes, Canned	189	2	1.1	0.003 ^	0.002 - 0.005		1.4
TOTAL	**9,188**	**793**					
Chlorethoxyfos (insecticide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.020		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,604**	**0**					
Chlorfenapyr (insecticide)							
Apples	531	0			0.015 ^		0.01
Applesauce	190	0			0.015 ^		0.01
Cherries	30	0			0.040 ^		0.01
Cherries, Frozen	144	0			0.040 ^		0.01
Cranberries	156	0			0.025 ^		0.01
Cranberries, Frozen	25	0			0.025 ^		0.01
Cucumbers	754	26	3.4	0.005 - 0.051	0.005 ^	X - 11	0.01
Grapefruit	704	0			0.025 - 0.25		0.01
Grapes	708	0			0.050 ^		0.01
Green Beans	567	1	0.2	0.060 ^	0.025 ^	X - 1	0.01
Lettuce	756	0			0.015 ^		0.01
Olives, Canned	189	0			0.25 ^		0.01
Oranges	708	0			0.005 ^		0.01
Pears	707	0			0.050 ^		0.01
Potatoes	708	0			0.002 ^		0.01
Spinach	707	0			0.002 - 0.040		0.01
Strawberries	530	0			0.25 ^		0.01
Sweet Potatoes	532	0			0.040 ^		0.01
Tomatoes	528	21	4	0.004 - 0.098	0.002 ^		1.0
Tomatoes, Canned	189	0			0.002 ^		1.0
TOTAL	**9,363**	**48**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Chlorfenvinphos (insecticide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.004 ^		NT
Spinach	358	0			0.004 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.004 ^		NT
Tomatoes, Canned	189	0			0.004 ^		NT
TOTAL	**2,860**	**0**					
Chlorimuron ethyl (herbicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,258**	**0**					
Chlorobenzilate (acaricide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Chloroneb (fungicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Chlorothalonil (fungicide)							
Cucumbers	754	105	13.9	0.005 - 0.30	0.005 ^		5.0
Grapefruit	269	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Strawberries	472	1	0.2	0.053 ^	0.005 ^	V - 1	NT
TOTAL	**2,203**	**106**					
Chlorpropham (herbicide, growth regulator)							
Apples	531	0			0.020 ^		NT
Applesauce	190	0			0.020 ^		NT
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cranberries	156	1	0.6	0.007 ^	0.005 ^	V - 1	NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	7	0.9	0.005 - 0.014	0.005 ^	V - 7	NT
Grapefruit	704	0			0.003 - 0.005		NT
Green Beans	567	0			0.020 ^		NT
Lettuce	756	0			0.020 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	705	99.6	0.002 - 10	0.001 - 0.003		30
Spinach	707	1	0.1	0.003 ^	0.001 - 0.020	V - 1	NT
Strawberries	530	2	0.4	0.003 - 0.009	0.003 ^	V - 2	NT
Sweet Potatoes	532	4	0.8	0.020 - 0.038	0.020 ^	V - 4	NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tomatoes	528	43	8.1	0.002 - 0.015	0.001 ^	V - 43	NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**7,948**	**763**					
Chlorpyrifos (insecticide)							
Apples	531	0			0.005 ^		0.1
Applesauce	190	0			0.005 ^		0.1
Cherries	30	0			0.010 ^		1.0
Cherries, Frozen	144	1	0.7	0.038 ^	0.010 ^		1.0
Cranberries	156	2	1.3	0.019 - 0.034	0.015 ^		1.0
Cranberries, Frozen	25	0			0.015 ^		1.0
Cucumbers	754	5	0.7	0.006 - 0.061	0.005 ^		0.1
Grapefruit	704	0			0.003 - 0.035		1.0
Grapes	708	2	0.3	0.017 ^	0.010 ^		0.1
Green Beans	567	0			0.035 ^		0.1
Lettuce	756	1	0.1	0.006 ^	0.005 ^		0.1
Olives, Canned	189	1	0.5	0.003 ^	0.003 ^		0.1
Oranges	708	0			0.005 ^		1.0
Pears	707	3	0.4	0.017 - 0.057	0.010 ^		0.1
Potatoes	708	0			0.001 ^		0.1
Spinach	707	6	0.8	0.002 - 0.023	0.001 - 0.010		0.1
Strawberries	530	0			0.003 ^		0.2
Sweet Potatoes	532	3	0.6	0.012 - 0.015	0.010 ^		0.1
Tomatoes	528	4	0.8	0.002 ^	0.001 ^		0.1
Tomatoes, Canned	189	5	2.6	0.002 - 0.004	0.001 ^		0.1
TOTAL	**9,363**	**33**					
Chlorpyrifos oxygen analog (metabolite of Chlorpyrifos)							
Apples	531	0			0.002 ^		0.1
Applesauce	190	0			0.002 ^		0.1
Cherries	30	0			0.004 ^		1.0
Cherries, Frozen	144	0			0.004 ^		1.0
Cranberries	156	0			0.005 ^		1.0
Cranberries, Frozen	25	0			0.005 ^		1.0
Cucumbers	754	0			0.010 ^		0.1
Grapefruit	704	0			0.001 ^		1.0
Grapes	708	0			0.005 ^		0.1
Green Beans	567	0			0.001 ^		0.1
Lettuce	756	0			0.002 ^		0.1
Olives, Canned	189	0			0.001 ^		0.1
Oranges	708	0			0.010 ^		1.0
Pears	707	0			0.005 ^		0.1
Potatoes	708	0			0.001 ^		0.1
Spinach	707	0			0.001 - 0.005		0.1
Strawberries	530	0			0.001 ^		0.2
Sweet Potatoes	532	0			0.005 ^		0.1
Tomatoes	528	0			0.001 ^		0.1
Tomatoes, Canned	189	0			0.001 ^		0.1
TOTAL	**9,363**	**0**					
Chlorsulfuron (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Clethodim (herbicide)							
Cranberries	107	0			0.20 ^		0.50
Cranberries, Frozen	13	0			0.20 ^		0.50
Grapefruit	704	0			0.010 - 0.40		NT
Green Beans	567	0			0.40 ^		3.5
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		1.0
Spinach	358	0			0.002 ^		2.0
Strawberries	530	0			0.010 ^		3.0
Tomatoes	528	0			0.002 ^		1.0
Tomatoes, Canned	189	0			0.002 ^		1.0
TOTAL	**3,893**	**0**					
Clofentezine (insecticide)							
Grapefruit	358	0			0.005 ^		NT
Grapes	708	4	0.6	0.008 - 0.037	0.005 ^		1.0
Olives, Canned	189	0			0.005 ^		NT
Pears	707	3	0.4	0.008 ^	0.005 ^		0.50
Strawberries	530	1	0.2	0.056 ^	0.005 ^	V - 1	NT
TOTAL	**2,492**	**8**					
Clomazone (herbicide)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.070 ^		NT
Cherries, Frozen	144	0			0.070 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		0.1
Grapefruit	704	0			0.003 - 0.005		NT
Green Beans	567	0			0.005 ^		0.05
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.075		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.070 ^		0.05
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**7,948**	**0**					
Clopyralid (herbicide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		4.0
TOTAL	**1,077**	**0**					
Cloransulam methyl (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Clothianidin (insecticide) (also a metabolite of Thiamethoxam)							
Apples	531	1	0.2	0.030 ^	0.010 ^		1.0
Applesauce	190	0			0.010 ^		1.0
Cherries	30	0			0.035 ^		0.02
Cherries, Frozen	144	0			0.035 ^		0.02
Cranberries	156	0			0.025 ^		0.01
Cranberries, Frozen	25	0			0.025 ^		0.01
Cucumbers	754	1	0.1	0.019 ^	0.010 ^		0.06
Grapefruit	704	17	2.4	0.001 - 0.026	0.001 - 0.005		0.07
Grapes	707	32	4.5	0.017 - 0.33	0.010 ^		0.60
Green Beans	567	5	0.9	0.006 - 0.034	0.005 ^	X - 1	0.02
Lettuce	756	2	0.3	0.012 - 0.026	0.010 ^		3.0
Olives, Canned	189	0			0.001 ^		0.02
Oranges	708	0			0.010 ^		0.07
Pears	707	28	4	0.017 - 0.081	0.010 ^		1.0
Potatoes	708	94	13.3	0.003 - 0.032	0.002 ^		0.3
Spinach	707	268	37.9	0.003 - 0.64	0.002 - 0.035		3.0
Strawberries	530	9	1.7	0.001 - 0.004	0.001 ^		0.30
Sweet Potatoes	532	0			0.035 ^		0.3
Tomatoes	528	77	14.6	0.003 - 0.064	0.002 - 0.005		0.20
Tomatoes, Canned	189	3	1.6	0.003 ^	0.002 - 0.005		0.20
TOTAL	**9,362**	**537**					
Coumaphos (insecticide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.001 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.002 - 0.005		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**5,799**	**0**					
Coumaphos oxygen analog (metabolite of Coumaphos)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.008 ^		NT
Spinach	358	0			0.008 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.008 ^		NT
Tomatoes, Canned	189	0			0.008 ^		NT
TOTAL	**4,337**	**0**					
Crotoxyphos (insecticide, acaricide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Crufomate (insecticide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Cyantraniliprole (insecticide)							
Cranberries	156	0			0.005 ^		4.0
Cranberries, Frozen	25	0			0.005 ^		4.0
Grapefruit	704	0			0.003 - 0.005		0.70
Olives, Canned	189	0			0.003 ^		NT
Potatoes	708	0			0.004 ^		0.15
Spinach	707	5	0.7	0.006 - 0.88	0.004 - 0.30		20
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.15 ^		0.15
Tomatoes	528	5	0.9	0.006 - 0.019	0.004 ^		2.0
Tomatoes, Canned	189	0			0.004 ^		2.0
TOTAL	**4,268**	**10**					
Cyazofamid (fungicide)							
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	704	0			0.010 ^		NT
Grapes	708	0			0.017 ^		1.5
Green Beans	567	1	0.2	0.017 ^	0.010 ^		0.5
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	0			0.012 ^		0.02
Spinach	707	65	9.2	0.020 - 2.0	0.012 - 0.020		10
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	1	0.2	0.054 ^	0.020 ^	X - 1	0.02
Tomatoes	528	3	0.6	0.020 ^	0.012 ^		0.9
Tomatoes, Canned	189	0			0.012 ^		0.9
TOTAL	**5,717**	**70**					
Cyclanilide (plant growth regulator)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Cyflufenamid (fungicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 - 0.002		NT
Strawberries	530	47	8.9	0.001 - 0.044	0.001 ^		0.20
TOTAL	**1,077**	**47**					
Cyflumetofen (acaricide)							
Cranberries	156	0			0.020 ^		NT
Cranberries, Frozen	25	0			0.020 ^		NT
Grapefruit	704	0			0.003 - 0.20		0.30
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	122	23	0.003 - 0.55	0.003 ^		0.60
TOTAL	**1,604**	**122**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cyfluthrin (insecticide)							
Apples	531	8	1.5	0.004 - 0.029	0.004 ^		0.5
Applesauce	190	0			0.004 ^		0.5
Cherries	30	0			0.042 ^		0.3
Cherries, Frozen	144	0			0.042 ^		0.3
Cranberries	156	0			0.050 ^		0.05
Cranberries, Frozen	25	0			0.050 ^		0.05
Cucumbers	754	2	0.3	0.007 - 0.013	0.005 ^		0.1
Grapefruit	704	0			0.010 ^		0.2
Grapes	708	2	0.3	0.033 ^	0.020 ^		1.0
Green Beans	535	6	1.1	0.012 - 0.029	0.010 ^		0.05
Lettuce	756	4	0.5	0.005 - 0.17	0.004 ^		3.0
Olives, Canned	189	0			0.010 ^		0.05
Oranges	708	0			0.005 ^		0.2
Pears	707	0			0.020 ^		0.5
Potatoes	689	0			0.008 - 0.025		0.01
Spinach	707	31	4.4	0.012 - 0.97	0.008 - 0.045		6.0
Strawberries	530	0			0.010 ^		0.05
Sweet Potatoes	532	0			0.045 ^		0.01
Tomatoes	528	3	0.6	0.012 ^	0.008 ^		0.20
Tomatoes, Canned	189	0			0.008 - 0.025		0.20
TOTAL	**9,312**	**56**					
Cyhalothrin, Total (Cyhalothrin-L + R157836 epimer) (insecticide)							
Apples	531	27	5.1	0.005 - 0.037	0.005 ^		0.30
Applesauce	190	0			0.005 ^		0.30
Cherries	30	4	13.3	0.014 - 0.020	0.012 ^		0.50
Cherries, Frozen	144	40	27.8	0.012 - 0.088	0.012 ^		0.50
Cranberries	156	0			0.005 ^		0.01
Cranberries, Frozen	25	0			0.005 ^		0.01
Cucumbers	754	11	1.5	0.008 - 0.027	0.008 ^		0.05
Grapefruit	704	0			0.010 - 0.025		0.01
Green Beans	535	34	6.4	0.008 - 0.15	0.008 ^		0.20
Lettuce	756	77	10.2	0.005 - 0.59	0.005 ^		2.0
Olives, Canned	189	0			0.010 ^		0.01
Oranges	708	0			0.008 ^		0.01
Potatoes	708	0			0.003 - 0.010		0.02
Spinach	707	23	3.3	0.005 - 0.48	0.003 - 0.015	X - 9	0.01
Strawberries	530	0			0.010 ^		0.01
Sweet Potatoes	532	0			0.015 ^		0.02
Tomatoes	528	17	3.2	0.005 - 0.027	0.003 ^		0.1
Tomatoes, Canned	189	1	0.5	0.005 ^	0.003 ^		0.1
TOTAL	**7,916**	**234**					
Cyhalothrin, Lambda (includes gamma isomer)							
Grapes	708	2	0.3	0.003 ^	0.002 ^		0.01
Pears	707	33	4.7	0.003 - 0.017	0.002 ^		0.30
TOTAL	**1,415**	**35**					
Cymoxanil (fungicide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cranberries	156	0			0.050 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cranberries, Frozen	25	0			0.050 ^		NT
Grapefruit	704	0			0.010 ^		NT
Grapes	708	0			0.025 ^		0.10
Green Beans	567	0			0.010 ^		NT
Lettuce	756	8	1.1	0.006 - 0.54	0.002 ^		19
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	0			0.003 ^		0.05
Spinach	707	5	0.7	0.005 - 0.22	0.003 - 0.020		19
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.020 ^		NT
Tomatoes	528	0			0.003 ^		0.2
Tomatoes, Canned	189	0			0.003 ^		0.2
TOTAL	**7,194**	**13**					
Cypermethrin (insecticide)							
Apples	531	0			0.010 ^		2
Applesauce	190	0			0.010 ^		2
Cherries	30	0			0.068 ^		1
Cherries, Frozen	144	10	6.9	0.073 - 0.16	0.068 ^		1
Cranberries	156	0			0.050 ^		0.8
Cranberries, Frozen	25	0			0.050 ^		0.8
Cucumbers	754	9	1.2	0.010 - 0.041	0.010 ^		0.2
Grapefruit	704	0			0.020 - 0.025		0.35
Grapes	708	7	1	0.033 - 0.18	0.020 ^		2
Green Beans	567	23	4.1	0.030 - 0.23	0.030 ^		0.5
Lettuce	756	19	2.5	0.010 - 0.72	0.010 ^		10.00
Olives, Canned	189	0			0.020 ^		0.05
Oranges	708	0			0.010 ^		0.35
Pears	707	0			0.020 ^		2
Potatoes	689	0			0.022 - 0.15		0.1
Spinach	707	143	20.2	0.037 - 4.0	0.022 - 0.070		10.00
Strawberries	530	0			0.020 ^		0.8
Sweet Potatoes	532	0			0.070 ^		0.1
Tomatoes	528	6	1.1	0.037 ^	0.022 ^		0.2
Tomatoes, Canned	189	0			0.022 ^		0.2
TOTAL	**9,344**	**217**					
Cyphenothrin (insecticide)							
Apples	531	0			0.015 ^		NT
Applesauce	190	0			0.015 ^		NT
Cherries	30	0			0.058 ^		NT
Cherries, Frozen	144	0			0.058 ^		NT
Cranberries	126	0			0.050 ^		NT
Cranberries, Frozen	23	0			0.050 ^		NT
Grapefruit	704	0			0.010 - 0.050		NT
Grapes	708	0			0.012 ^		NT
Green Beans	567	0			0.050 ^		NT
Lettuce	756	0			0.015 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Pears	707	0			0.012 ^		NT
Spinach	349	0			0.060 ^		NT
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.060 ^		NT
TOTAL	**6,086**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cyproconazole (fungicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.005 - 0.010		NT
Cherries, Frozen	144	0			0.005 - 0.010		NT
Grapefruit	358	0			0.005 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**3,609**	**0**					
Cyprodinil (fungicide)							
Apples	531	21	4	0.005 - 0.11	0.005 ^		1.7
Applesauce	190	20	10.5	0.005 - 0.012	0.005 ^		1.7
Cherries	30	0			0.012 ^		2.0
Cherries, Frozen	144	0			0.012 ^		2.0
Cranberries	156	0			0.005 ^		3.0
Cranberries, Frozen	25	0			0.005 ^		3.0
Cucumbers	754	45	6	0.005 - 0.055	0.005 ^		0.70
Grapefruit	704	0			0.005 - 0.055		NT
Grapes	708	295	41.7	0.010 - 1.3	0.006 ^		3.0
Green Beans	567	2	0.4	0.11 - 0.16	0.055 ^		0.6
Lettuce	756	2	0.3	0.006 - 0.037	0.005 ^		50
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.006 ^		1.7
Spinach	349	0			0.015 ^		50
Strawberries	530	266	50.2	0.005 - 1.7	0.005 ^		5.0
Sweet Potatoes	532	0			0.015 ^		NT
TOTAL	**7,580**	**651**					
Cyprosulfamide (herbicide safener)							
Cranberries	156	0			0.004 ^		NT
Cranberries, Frozen	25	0			0.004 ^		NT
Grapefruit	704	0			0.002 - 0.003		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,604**	**0**					
Cyromazine (insect growth regulator)							
Cranberries	156	0			0.050 ^		NT
Cranberries, Frozen	25	0			0.050 ^		NT
Grapefruit	358	0			0.005 ^		NT
Green Beans	567	0			0.10 ^		2.0
Olives, Canned	189	0			0.005 ^		NT
Potatoes	669	0			0.008 - 0.016		0.8
Strawberries	530	0			0.005 ^		NT
Tomatoes	528	0			0.008 ^		0.5
Tomatoes, Canned	189	0			0.008 ^		0.5
TOTAL	**3,211**	**0**					
DCPA (herbicide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	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	Tolerance Violation	EPA Tolerance Level, ppm
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		1.0
Grapefruit	704	0			0.003 - 0.010		NT
Grapes	708	0			0.001 ^		NT
Green Beans	567	0			0.010 ^		2.0
Lettuce	756	58	7.7	0.002 - 0.050	0.002 ^		2.0
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		2.0
Spinach	707	36	5.1	0.002 - 0.008	0.001 - 0.020	V - 36	NT
Strawberries	530	0			0.003 ^		2.0
Sweet Potatoes	532	0			0.020 ^		2.0
Tomatoes	528	0			0.001 ^		1.0
Tomatoes, Canned	189	0			0.001 ^		1.0
TOTAL	**8,656**	**94**					
DEF - Tribufos (herbicide, plant growth regulator)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Deltamethrin (includes parent Tralomethrin) (insecticide)							
Apples	531	0			0.015 ^		0.2
Applesauce	190	0			0.015 ^		0.2
Cherries	30	1	3.3	0.15 ^	0.12 ^	X - 1	0.05
Cherries, Frozen	144	0			0.12 ^		0.05
Cranberries	156	0			0.050 ^		0.05
Cranberries, Frozen	25	0			0.050 ^		0.05
Cucumbers	754	1	0.1	0.011 ^	0.008 ^		0.2
Grapefruit	704	0			0.005 - 0.50		0.05
Grapes	708	0			0.015 ^		0.05
Green Beans	567	0			0.050 ^		0.05
Lettuce	756	0			0.015 - 0.030		0.05
Olives, Canned	189	0			0.005 ^		0.05
Oranges	708	0			0.008 ^		0.05
Pears	707	1	0.1	0.025 ^	0.015 ^		0.2
Potatoes	689	0			0.012 - 0.040		0.04
Spinach	707	4	0.6	0.12 - 0.19	0.012 - 0.12	X - 4	0.05
Strawberries	530	0			0.005 ^		0.05
Sweet Potatoes	532	1	0.2	0.13 ^	0.12 ^	X - 1	0.04
Tomatoes	528	1	0.2	0.020 ^	0.012 ^		0.2
Tomatoes, Canned	189	0			0.012 ^		0.2
TOTAL	**9,344**	**9**					
Demeton-O (metabolite of the insecticide Demeton)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Demeton-S (metabolite of Demeton)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Demeton-S sulfone (metabolite of Demeton-S)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Desmedipham (herbicide)							
Spinach	349	0			0.030 - 0.060		6.0
Sweet Potatoes	532	0			0.030 ^		NT
TOTAL	**881**	**0**					
Dialifos (insecticide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Diazinon (insecticide)							
Apples	531	16	3	0.005 - 0.064	0.005 ^		0.50
Applesauce	190	0			0.005 ^		0.50
Cherries	30	0			0.010 ^		0.20
Cherries, Frozen	144	0			0.010 ^		0.20
Cranberries	156	8	5.1	0.006 - 0.028	0.005 ^		0.50
Cranberries, Frozen	25	0			0.005 ^		0.50
Cucumbers	754	5	0.7	0.002 - 0.022	0.002 ^		0.75
Grapefruit	704	0			0.001 - 0.005		NT
Grapes	708	0			0.001 ^		0.75
Green Beans	567	0			0.001 ^		0.50
Lettuce	756	0			0.005 ^		0.70
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.002 ^		NT
Pears	707	2	0.3	0.002 ^	0.001 ^		0.50
Potatoes	708	0			0.001 ^		0.10
Spinach	707	0			0.001 - 0.010		0.70
Strawberries	530	1	0.2	0.002 ^	0.001 ^		0.50
Sweet Potatoes	532	0			0.010 ^		0.10
Tomatoes	528	0			0.001 ^		0.75
Tomatoes, Canned	189	0			0.001 ^		0.75
TOTAL	**9,363**	**32**					
Diazinon oxygen analog (metabolite of Diazinon)							
Cherries	30	0			0.008 ^		0.20
Cherries, Frozen	144	0			0.008 ^		0.20
Cranberries	108	0			0.005 ^		0.50
Cranberries, Frozen	12	0			0.005 ^		0.50
Cucumbers	754	0			0.001 ^		0.75
Grapefruit	704	0			0.001 - 0.005		NT
Grapes	708	0			0.001 ^		0.75
Green Beans	567	0			0.001 ^		0.50

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.001 ^		NT
Pears	707	0			0.001 ^		0.50
Potatoes	708	0			0.001 ^		0.10
Spinach	707	0			0.001 - 0.010		0.70
Strawberries	530	0			0.001 ^		0.50
Sweet Potatoes	532	0			0.010 ^		0.10
Tomatoes	528	0			0.001 ^		0.75
Tomatoes, Canned	189	0			0.001 ^		0.75
TOTAL	**7,825**	**0**					
Dicamba (herbicide)							
Grapefruit	268	0			0.25 ^		NT
Strawberries	530	0			0.25 ^		NT
TOTAL	**798**	**0**					
Dichlobenil (herbicide)							
Apples	531	0			0.010 ^		0.5
Applesauce	190	0			0.010 ^		0.5
Cherries	30	0			0.007 ^		0.15
Cherries, Frozen	144	0			0.007 ^		0.15
Cranberries	156	0			0.002 ^		0.15
Cranberries, Frozen	25	0			0.002 ^		0.15
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.001 ^		NT
Grapes	708	0			0.001 ^		0.15
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.001 ^		0.5
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.010		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**8,450**	**0**					
Dichlofluanid (fungicide, acaricide)							
Cherries	30	0			0.17 ^		NT
Cherries, Frozen	144	0			0.17 ^		NT
TOTAL	**174**	**0**					
Dichlormid (herbicide safener)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.020		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,604**	**0**					
Dichlorprop (herbicide)							
Grapefruit	358	0			0.050 ^		NT
Olives, Canned	189	0			0.050 ^		NT
Strawberries	530	0			0.050 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Dichlorvos - DDVP (insecticide) (also a metabolite of Naled)							
Apples	531	0			0.020 ^		0.5
Applesauce	190	0			0.020 ^		0.5
Cherries	30	0			0.005 ^		0.5
Cherries, Frozen	144	0			0.005 ^		0.5
Cranberries	156	0			0.005 ^		0.5
Cranberries, Frozen	25	0			0.005 ^		0.5
Cucumbers	754	1	0.1	0.033 ^	0.010 ^		0.5
Grapefruit	704	0			0.005 - 0.020		3
Grapes	708	0			0.050 ^		0.5
Green Beans	567	0			0.060 ^		0.5
Lettuce	756	0			0.020 ^		0.5
Olives, Canned	189	0			0.020 ^		0.5
Oranges	708	0			0.010 ^		3
Pears	707	0			0.050 ^		0.5
Potatoes	708	0			0.003 ^		0.5
Spinach	707	0			0.003 - 0.005		3
Strawberries	530	5	0.9	0.030 - 0.85	0.020 ^		1
Sweet Potatoes	532	0			0.005 ^		0.5
TOTAL	**8,646**	**6**					
Diclofop methyl (herbicide)							
Apples	531	0			0.001 ^		NT
Applesauce	190	0			0.001 ^		NT
Lettuce	756	0			0.001 ^		NT
TOTAL	**1,477**	**0**					
Dicloran (fungicide)							
Apples	531	0			0.016 ^		NT
Applesauce	190	0			0.016 ^		NT
Cherries	30	0			0.020 ^		20
Cherries, Frozen	144	0			0.020 ^		20
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	7	0.9	0.008 - 0.033	0.005 ^		5
Grapefruit	704	0			0.020 - 0.10		NT
Grapes	708	0			0.015 ^		10
Green Beans	567	38	6.7	0.011 - 15	0.010 ^		20
Lettuce	756	1	0.1	0.034 ^	0.016 ^		10
Olives, Canned	189	0			0.020 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		0.25
Spinach	707	3	0.4	0.004 ^	0.002 - 0.020	V - 3	NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	532	148	27.8	0.026 - 3.5	0.020 ^		10
Tomatoes	528	8	1.5	0.004 - 0.072	0.002 ^		5
Tomatoes, Canned	189	0			0.002 ^		5
TOTAL	**8,656**	**205**					
Diclosulam (herbicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Dicofol Total (insecticide)							
Grapes	708	0			0.002 ^		5.0
Green Beans	567	0			0.015 ^		3.0
Pears	707	0			0.002 ^		10.0
TOTAL	**1,982**	**0**					
Dicofol o,p' (isomer of Dicofol)							
Cherries	30	0			0.015 ^		5.0
Cherries, Frozen	144	0			0.015 ^		5.0
Grapefruit	358	0			0.005 ^		6.0
Olives, Canned	189	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.015		NT
Strawberries	530	1	0.2	0.005 ^	0.005 ^		10.0
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.002 ^		2.0
Tomatoes, Canned	189	0			0.002 ^		2.0
TOTAL	**3,915**	**1**					
Dicofol p,p' (isomer of Dicofol)							
Apples	531	0			0.010 ^		10.0
Applesauce	190	0			0.010 ^		10.0
Cherries	30	0			0.024 ^		5.0
Cherries, Frozen	144	0			0.024 ^		5.0
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 ^		6.0
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.025		NT
Strawberries	530	1	0.2	0.037 ^	0.005 ^		10.0
Sweet Potatoes	532	0			0.025 ^		NT
Tomatoes	528	0			0.001 ^		2.0
Tomatoes, Canned	189	0			0.001 ^		2.0
TOTAL	**5,919**	**1**					
Dicrotophos (insecticide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**2,860**	**0**					
Diethofencarb (fungicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Difenoconazole (fungicide)							
Apples	531	2	0.4	0.014 - 0.015	0.010 ^		5.0
Applesauce	190	0			0.010 ^		5.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cherries	30	0			0.005 ^		2.5
Cherries, Frozen	144	0			0.005 ^		2.5
Cranberries	156	0			0.002 ^		4.0
Cranberries, Frozen	25	0			0.002 ^		4.0
Cucumbers	754	0			0.005 ^		0.70
Grapefruit	704	0			0.003 - 0.005		0.60
Grapes	708	100	14.1	0.002 - 0.13	0.001 ^		4.0
Green Beans	567	3	0.5	0.006 - 0.010	0.005 ^	V - 3	NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		0.60
Pears	707	11	1.6	0.002 - 0.009	0.001 ^		5.0
Potatoes	708	81	11.4	0.002 - 1.8	0.001 - 0.003		4.0
Spinach	707	0			0.003 - 0.005		NT
Strawberries	530	5	0.9	0.032 - 0.46	0.003 ^		2.5
Sweet Potatoes	532	0			0.005 ^		4.0
Tomatoes	528	108	20.5	0.003 - 0.11	0.001 - 0.003		0.60
Tomatoes, Canned	189	12	6.3	0.004 - 0.017	0.003 ^		0.60
TOTAL	**9,363**	**322**					
Diflubenzuron (insecticide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cherries	30	0			0.076 ^		NT
Cherries, Frozen	144	0			0.076 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	1	0.1	0.001 ^	0.001 - 0.020		3.0
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Pears	707	4	0.6	0.005 - 0.034	0.003 ^		0.50
Potatoes	708	0			0.002 ^		NT
Spinach	707	2	0.3	0.003 ^	0.002 - 0.080	V - 2	NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.080 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**6,626**	**7**					
Diflufenzopyr (herbicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	346	0			0.001 ^		NT
TOTAL	**527**	**0**					
Dimethenamid (herbicide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cherries	30	0			0.007 ^		NT
Cherries, Frozen	144	0			0.007 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.001 - 0.005		NT
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.001 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Potatoes	708	0			0.001 ^		0.01
Spinach	707	0			0.001 - 0.010		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		0.01
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**5,919**	**0**					
Dimethoate (insecticide) (parent of Omethoate)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.005 ^		2.0
Cherries, Frozen	144	11	7.6	0.005 - 0.052	0.005 ^		2.0
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.001 ^		2.0
Grapes	708	0			0.005 ^		NT
Green Beans	567	54	9.5	0.001 - 0.97	0.001 ^		2.0
Lettuce	756	1	0.1	0.063 ^	0.005 ^		2.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		2.0
Pears	707	0			0.005 ^		2.0
Potatoes	708	1	0.1	0.004 ^	0.002 ^		0.2
Spinach	707	1	0.1	0.010 ^	0.002 - 0.010	V - 1	NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		2.0
Tomatoes, Canned	189	0			0.002 ^		2.0
TOTAL	**9,363**	**68**					
Dimethomorph (fungicide)							
Apples	531	0			0.003 ^		NT
Applesauce	190	0			0.003 ^		NT
Cranberries	156	0			0.020 ^		NT
Cranberries, Frozen	25	0			0.020 ^		NT
Cucumbers	754	10	1.3	0.010 - 0.21	0.010 ^		0.5
Grapefruit	704	0			0.003 - 0.25		NT
Grapes	708	0			0.007 ^		3.0
Green Beans	567	1	0.2	0.004 ^	0.001 ^	V - 1	NT
Lettuce	756	123	16.3	0.003 - 2.9	0.003 ^		30.0
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	2	0.3	0.002 ^	0.001 ^		0.05
Spinach	707	242	34.2	0.002 - 4.4	0.001 - 0.010		30.0
Strawberries	530	0			0.003 ^		0.90
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	20	3.8	0.002 - 0.021	0.001 ^		1.5
Tomatoes, Canned	189	4	2.1	0.002 - 0.005	0.001 ^		1.5
TOTAL	**8,482**	**402**					
Diniconazole (fungicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Dinotefuran (insecticide)							
Apples	531	0			0.003 ^		2.0
Applesauce	190	0			0.003 ^		2.0
Cherries	30	0			0.015 - 0.030		2.0
Cherries, Frozen	144	0			0.015 - 0.030		2.0
Cranberries	156	0			0.040 ^		0.2
Cranberries, Frozen	25	0			0.040 ^		0.2
Cucumbers	754	54	7.2	0.010 - 0.27	0.010 ^		0.5
Grapefruit	704	0			0.003 - 0.040		0.01
Grapes	708	0			0.050 ^		0.9
Green Beans	567	1	0.2	0.054 ^	0.040 ^	X - 1	0.01
Lettuce	756	2	0.3	0.003 - 0.004	0.003 ^		5.0
Olives, Canned	189	0			0.003 ^		0.01
Oranges	708	0			0.010 ^		0.01
Pears	707	0			0.050 ^		2.0
Potatoes	708	0			0.006 ^		0.05
Spinach	707	12	1.7	0.010 - 0.25	0.006 - 0.015		5.0
Strawberries	530	1	0.2	0.004 ^	0.003 ^		0.01
Sweet Potatoes	532	0			0.015 ^		0.05
Tomatoes	528	63	11.9	0.010 - 0.14	0.006 ^		0.7
Tomatoes, Canned	189	0			0.006 ^		0.7
TOTAL	**9,363**	**133**					
Dioxacarb (insecticide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Dioxathion (insecticide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Diphenamid (herbicide)							
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 - 0.008		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.005 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**4,322**	**0**					
Diphenylamine - DPA (plant growth regulator)							
Apples	531	426	80.2	0.002 - 3.8	0.002 ^		10.0
Applesauce	190	68	35.8	0.002 - 0.050	0.002 ^		10.0
Cherries	30	0			0.061 ^		NT
Cherries, Frozen	144	0			0.061 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Grapes	708	0			0.004 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	76	10.7	0.007 - 1.4	0.004 ^		5.0
Potatoes	708	0			0.003 ^		NT
Spinach	707	0			0.003 - 0.065		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.065 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**8,269**	**570**					
Disulfoton (insecticide)							
Cherries	30	0			0.050 ^		NT
Cherries, Frozen	144	0			0.050 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 - 0.007		NT
Spinach	647	0			0.002 - 0.050		NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	532	0			0.050 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**5,317**	**0**					
Disulfoton oxygen analog (metabolite of Disulfoton)							
Apples	531	0			0.001 ^		NT
Applesauce	190	0			0.001 ^		NT
Cherries	30	0			0.002 ^		NT
Cherries, Frozen	144	0			0.002 ^		NT
Cranberries	156	0			0.001 ^		NT
Cranberries, Frozen	25	0			0.001 ^		NT
Grapefruit	346	0			0.001 ^		NT
Green Beans	567	0			0.001 ^		0.75
Lettuce	724	0			0.001 ^		2
Potatoes	708	0			0.002 ^		NT
Spinach	647	0			0.002 - 0.005		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**5,317**	**0**					
Disulfoton sulfone (metabolite of Disulfoton)							
Apples	531	0			0.020 ^		NT
Applesauce	190	0			0.020 ^		NT
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Lettuce	756	0			0.020 ^		2
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	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	Tolerance Violation	EPA Tolerance Level, ppm
Spinach	707	0			0.002 - 0.010		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**6,854**	**0**					
Disulfoton sulfone oxygen analog (metabolite of Disulfoton)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Green Beans	567	0			0.005 ^		0.75
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.010		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**3,405**	**0**					
Disulfoton sulfoxide (metabolite of Disulfoton)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Grapefruit	704	0			0.001 ^		NT
Green Beans	567	0			0.001 ^		0.75
Lettuce	756	0			0.005 ^		2
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.010		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**6,486**	**0**					
Disulfoton sulfoxide oxygen analog (metabolite of Disulfoton)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Green Beans	567	0			0.001 ^		0.75
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.010		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**3,405**	**0**					
Diuron (herbicide)							
Apples	531	0			0.002 ^		0.1
Applesauce	190	0			0.002 ^		0.1
Cherries	30	0			0.015 ^		NT
Cherries, Frozen	144	0			0.015 ^		NT
Cranberries	156	0			0.010 ^		0.1
Cranberries, Frozen	25	0			0.010 ^		0.1

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.010 ^		0.05
Grapes	708	0			0.006 ^		0.1
Green Beans	567	0			0.010 ^		NT
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.010 ^		1
Pears	707	0			0.006 ^		1
Potatoes	708	0			0.008 ^		NT
Spinach	707	0			0.008 - 0.015		NT
Strawberries	530	0			0.010 ^		0.1
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.008 ^		NT
Tomatoes, Canned	189	0			0.008 ^		NT
TOTAL	**7,901**	**0**					
DMST (4-dimethylaminosulphotosluidide) (metabolite of Tolyfluanid)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Dodine (fungicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Pears	707	2	0.3	0.033 ^	0.020 ^		5.0
Strawberries	530	0			0.010 ^		5.0
TOTAL	**1,784**	**2**					
Emamectin (insecticide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Emamectin benzoate [1] (insecticide)							
Apples	531	0			0.010 ^		0.025
Applesauce	190	0			0.010 ^		0.025
Lettuce	756	0			0.010 ^		0.100
Pears	706	0			0.002 ^		0.025
Potatoes	708	1	0.1	0.002 ^	0.001 ^	V - 1	NT
Spinach	358	0			0.001 ^		0.100
Tomatoes	528	0			0.001 ^		0.020
Tomatoes, Canned	189	0			0.001 ^		0.020
TOTAL	**3,966**	**1**					
Endosulfan I (insecticide)							
Apples	502	1	0.2	0.016 ^	0.010 ^		1.0
Applesauce	190	0			0.010 ^		1.0
Cherries	30	0			0.030 ^		2.0
Cherries, Frozen	144	0			0.030 ^		2.0
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	0			0.005 ^		1.0
Grapefruit	704	0			0.010 - 0.020		NT
Grapes	708	0			0.005 ^		NT
Green Beans	567	0			0.012 ^		2.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Lettuce	756	0			0.010 ^		11.0
Olives, Canned	189	0			0.020 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.005 ^		2.0
Potatoes	708	0			0.005 ^		0.2
Spinach	707	0			0.005 - 0.030		NT
Strawberries	530	0			0.020 ^		2.0
Sweet Potatoes	532	0			0.030 ^		0.15
Tomatoes	528	0			0.005 ^		1.0
Tomatoes, Canned	189	2	1.1	0.008 ^	0.005 ^		1.0
TOTAL	**9,334**	**3**					
Endosulfan II (isomer of Endosulfan)							
Apples	531	0			0.015 ^		1.0
Applesauce	190	0			0.015 ^		1.0
Cherries	30	0			0.085 ^		2.0
Cherries, Frozen	144	0			0.085 ^		2.0
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		1.0
Grapefruit	704	0			0.005 - 0.010		NT
Grapes	708	0			0.010 ^		NT
Green Beans	567	0			0.003 ^		2.0
Lettuce	756	0			0.015 ^		11.0
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.010 ^		2.0
Potatoes	708	1	0.1	0.002 ^	0.001 - 0.004		0.2
Spinach	707	0			0.001 - 0.090		NT
Strawberries	530	0			0.010 ^		2.0
Sweet Potatoes	532	0			0.085 ^		0.15
Tomatoes	528	1	0.2	0.010 ^	0.001 ^		1.0
Tomatoes, Canned	189	4	2.1	0.002 - 0.010	0.001 ^		1.0
TOTAL	**9,363**	**6**					
Endosulfan sulfate (metabolite of Endosulfan)							
Apples	531	0			0.005 ^		1.0
Applesauce	190	0			0.005 ^		1.0
Cherries	30	0			0.040 ^		2.0
Cherries, Frozen	144	0			0.040 ^		2.0
Cranberries	156	0			0.015 ^		NT
Cranberries, Frozen	25	0			0.015 ^		NT
Cucumbers	754	17	2.3	0.006 - 0.021	0.005 ^		1.0
Grapefruit	704	0			0.010 - 0.025		NT
Grapes	708	0			0.003 ^		NT
Green Beans	567	1	0.2	0.031 ^	0.025 ^		2.0
Lettuce	756	0			0.005 ^		11.0
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.003 ^		2.0
Potatoes	631	1	0.2	0.035 ^	0.005 - 0.035		0.2
Spinach	707	0			0.018 - 0.045		NT
Strawberries	530	1	0.2	0.020 ^	0.010 ^		2.0
Sweet Potatoes	532	0			0.040 ^		0.15

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tomatoes	528	0			0.005 - 0.018		1.0
Tomatoes, Canned	168	0			0.005 - 0.018		1.0
TOTAL	**9,265**	**20**					
EPN (insecticide)							
Grapefruit	358	0			0.020 ^		NT
Grapes	708	0			0.005 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Pears	707	0			0.005 ^		NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	532	0			0.040 ^		NT
TOTAL	**3,024**	**0**					
Epoxiconazole (fungicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
EPTC (herbicide)							
Cherries	30	0			0.035 - 0.070		NT
Cherries, Frozen	144	0			0.035 - 0.070		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	346	0			0.005 ^		0.1
Green Beans	535	1	0.2	0.001 ^	0.001 ^		0.08
Oranges	708	0			0.010 ^		0.1
Spinach	349	0			0.040 ^		NT
Sweet Potatoes	532	0			0.035 ^		0.1
TOTAL	**3,579**	**1**					
Esfenvalerate+Fenvalerate Total (insecticide)							
Apples	531	1	0.2	0.028 ^	0.005 ^		1.0
Applesauce	190	0			0.005 ^		1.0
Cranberries	156	0			0.050 ^		0.05
Cranberries, Frozen	25	0			0.050 ^		0.05
Cucumbers	754	0			0.005 ^		0.5
Grapefruit	346	0			0.025 ^		0.05
Green Beans	567	19	3.4	0.023 - 0.12	0.008 ^		1.0
Lettuce	756	0			0.005 ^		5.0
Oranges	708	0			0.005 ^		0.05
Potatoes	669	0			0.002 - 0.008		0.05
Spinach	358	1	0.3	0.016 ^	0.002 - 0.008		0.05
Tomatoes	528	16	3	0.004 - 0.024	0.002 ^		0.5
Tomatoes, Canned	189	3	1.6	0.004 ^	0.002 ^		0.5
TOTAL	**5,777**	**40**					
Esfenvalerate (isomer of Fenvalerate)							
Cherries	30	0			0.035 ^		3.0
Cherries, Frozen	144	1	0.7	0.058 ^	0.035 ^		3.0
Grapefruit	358	0			0.005 ^		0.05
Grapes	708	0			0.015 ^		0.05
Olives, Canned	189	0			0.005 ^		0.05
Pears	707	1	0.1	0.067 ^	0.015 ^		1.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Spinach	349	0			0.035 ^		0.05
Strawberries	530	0			0.005 ^		0.05
Sweet Potatoes	532	0			0.035 ^		0.05
TOTAL	**3,547**	**2**					
Ethalfluralin (herbicide)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cranberries	156	0			0.001 ^		NT
Cranberries, Frozen	25	0			0.001 ^		NT
Grapefruit	704	0			0.010 ^		NT
Green Beans	567	0			0.010 ^		NT
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		0.05
Spinach	707	0			0.002 - 0.010		NT
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**6,486**	**0**					
Ethiofencarb (insecticide)							
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	648	0			0.002 - 0.008		NT
Spinach	358	0			0.002 - 0.008		NT
Strawberries	530	0			0.003 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 - 0.008		NT
TOTAL	**4,262**	**0**					
Ethiofencarb sulfone (metabolite of Ethiofencarb)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Ethiofencarb sulfoxide (metabolite of Ethiofencarb)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Ethion (insecticide)							
Cherries	30	0			0.014 ^		NT
Cherries, Frozen	144	0			0.014 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Potatoes	708	0			0.001 - 0.003		NT
Spinach	707	0			0.001 - 0.015		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.001 - 0.003		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**5,377**	**0**					
Ethion mono oxon (metabolite of Ethion)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**2,860**	**0**					
Ethiprole (insecticide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Ethofumesate (herbicide)							
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**2,132**	**0**					
Ethoprop (insecticide)							
Cherries	30	0			0.002 - 0.004		NT
Cherries, Frozen	144	0			0.002 - 0.004		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		0.02
Grapefruit	704	0			0.001 ^		NT
Green Beans	567	0			0.001 ^		0.02
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	1	0.1	0.006 ^	0.001 ^		0.02
Spinach	707	0			0.001 - 0.005		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		0.02
Tomatoes	528	0			0.001 - 0.003		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**6,471**	**1**					
Ethoxyquin (plant growth regulator)							
Grapes	708	0			0.006 ^		NT
Pears	707	186	26.3	0.010 - 1.5	0.006 ^		3
TOTAL	**1,415**	**186**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Ethylan (insecticide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Etofenprox (insecticide)							
Apples	531	0			0.025 ^		5.0
Applesauce	190	0			0.025 ^		5.0
Cranberries	156	0			0.010 ^		5.0
Cranberries, Frozen	25	0			0.010 ^		5.0
Grapefruit	704	0			0.001 - 0.020		5.0
Grapes	708	1	0.1	0.002 ^	0.001 ^		5.0
Lettuce	756	0			0.025 ^		5.0
Olives, Canned	189	0			0.020 ^		5.0
Pears	707	0			0.001 ^		5.0
Potatoes	708	1	0.1	0.017 ^	0.002 - 0.005		5.0
Spinach	358	2	0.6	0.003 ^	0.002 ^		5.0
Strawberries	530	0			0.001 ^		5.0
Sweet Potatoes	532	0			0.035 ^		5.0
Tomatoes	528	0			0.002 ^		5.0
Tomatoes, Canned	189	0			0.002 ^		5.0
TOTAL	**6,811**	**4**					
Etoxazole (acaricide)							
Cranberries	156	0			0.001 ^		0.50
Cranberries, Frozen	25	0			0.001 ^		0.50
Cucumbers	754	0			0.004 ^		0.02
Grapefruit	704	0			0.001 ^		NT
Grapes	708	45	6.4	0.002 - 0.074	0.001 ^		0.50
Green Beans	567	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.004 ^		0.10
Pears	707	148	20.9	0.002 - 0.050	0.001 ^		0.20
Potatoes	708	0			0.001 ^		NT
Spinach	358	1	0.3	0.002 ^	0.001 ^	V - 1	NT
Strawberries	530	26	4.9	0.001 - 0.10	0.001 ^		0.50
Tomatoes	528	3	0.6	0.002 - 0.003	0.001 ^		0.20
Tomatoes, Canned	189	0			0.001 ^		0.20
TOTAL	**6,831**	**223**					
Etridiazole (fungicide)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.040		NT
Green Beans	347	0			0.030 ^		0.1
Olives, Canned	189	0			0.040 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.010 - 0.020		NT
Strawberries	530	0			0.040 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**4,468**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Famoxadone (fungicide)							
Apples	531	0			0.025 ^		NT
Applesauce	190	0			0.025 ^		NT
Cranberries	156	0			0.050 ^		NT
Cranberries, Frozen	25	0			0.050 ^		NT
Grapefruit	704	0			0.010 - 0.050		NT
Grapes	708	0			0.015 ^		2.5
Lettuce	756	6	0.8	0.030 - 0.92	0.025 ^		25
Olives, Canned	189	0			0.010 ^		NT
Potatoes	669	0			0.008 - 0.015		0.02
Spinach	707	53	7.5	0.004 - 4.8	0.002 - 0.050		50
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.050 ^		NT
Tomatoes	528	43	8.1	0.004 - 0.025	0.002 - 0.008		1.0
Tomatoes, Canned	189	4	2.1	0.004 - 0.013	0.002 - 0.008		1.0
TOTAL	**6,414**	**106**					
Fenamidone (fungicide)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.060 ^		NT
Cherries, Frozen	144	0			0.060 ^		NT
Cranberries	156	0			0.001 ^		NT
Cranberries, Frozen	25	0			0.001 ^		NT
Cucumbers	754	1	0.1	0.011 ^	0.010 ^		0.15
Grapefruit	704	0			0.001 ^		NT
Grapes	708	0			0.002 ^		1.0
Green Beans	567	0			0.001 ^		0.80
Lettuce	756	99	13.1	0.005 - 2.5	0.005 ^		60
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		0.02
Spinach	707	197	27.9	0.004 - 6.6	0.002 - 0.060		60
Strawberries	530	0			0.001 ^		0.02
Sweet Potatoes	532	0			0.060 ^		0.02
Tomatoes	528	11	2.1	0.004 - 0.028	0.002 ^		1.0
Tomatoes, Canned	189	0			0.002 ^		1.0
TOTAL	**8,656**	**308**					
Fenamiphos (insecticide)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.001 ^		NT
Grapes	708	0			0.002 ^		0.1
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.050		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**6,085**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Fenamiphos sulfone (metabolite of Fenamiphos)							
Cherries	30	0			0.002 ^		NT
Cherries, Frozen	144	0			0.002 ^		NT
Cucumbers	754	8	1.1	0.005 - 0.026	0.005 ^	V - 8	NT
Grapefruit	358	0			0.001 ^		NT
Grapes	708	0			0.005 ^		0.1
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.004 ^		NT
Spinach	707	0			0.004 - 0.005		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.004 ^		NT
Tomatoes, Canned	189	0			0.004 ^		NT
TOTAL	**6,085**	**8**					
Fenamiphos sulfoxide (metabolite of Fenamiphos)							
Cherries	30	0			0.008 ^		NT
Cherries, Frozen	144	0			0.008 ^		NT
Cucumbers	754	10	1.3	0.010 - 0.081	0.005 ^	V - 10	NT
Grapefruit	358	0			0.003 ^		NT
Grapes	708	1	0.1	0.005 ^	0.003 ^		0.1
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.004 ^		NT
Spinach	707	0			0.004 - 0.010		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.004 ^		NT
Tomatoes, Canned	189	0			0.004 ^		NT
TOTAL	**6,085**	**11**					
Fenarimol (fungicide)							
Cherries	30	0			0.013 ^		1.0
Cherries, Frozen	144	0			0.013 ^		1.0
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		0.20
Grapefruit	704	0			0.003 - 0.005		NT
Grapes	708	4	0.6	0.005 - 0.014	0.003 ^		0.1
Green Beans	567	0			0.005 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.003 ^		0.1
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.015		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**7,886**	**4**					
Fenazaquin (insecticide, acaricide)							
Apples	531	0			0.005 ^		0.2
Applesauce	190	0			0.005 ^		0.2

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.001 - 0.010		NT
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Pears	707	0			0.001 ^		0.2
Strawberries	530	1	0.2	0.11 ^	0.001 ^	V - 1	NT
TOTAL	**3,788**	**1**					
Fenbuconazole (fungicide)							
Apples	531	7	1.3	0.005 - 0.045	0.005 ^		0.4
Applesauce	190	1	0.5	0.007 ^	0.005 ^		0.4
Cherries	30	5	16.7	0.005 - 0.13	0.005 ^		1.0
Cherries, Frozen	144	47	32.6	0.005 - 0.78	0.005 ^		1.0
Cranberries	156	38	24.4	0.001 - 0.009	0.001 ^		0.5
Cranberries, Frozen	25	0			0.001 ^		0.5
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.001 - 0.003		1.0
Grapes	708	1	0.1	0.002 ^	0.001 ^		1.0
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		1.0
Potatoes	708	0			0.001 - 0.003		NT
Spinach	707	0			0.001 - 0.005		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**8,089**	**99**					
Fenbutatin oxide (insecticide, acaricide)							
Grapes	708	0			0.010 ^		5.0
Pears	707	76	10.7	0.017 - 0.39	0.010 ^		15.0
TOTAL	**1,415**	**76**					
Fenchlorphos (insecticide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Fenhexamid (fungicide)							
Apples	531	0			0.013 ^		NT
Applesauce	190	0			0.013 ^		NT
Cherries	30	9	30	0.011 - 0.10	0.011 ^		10.0
Cherries, Frozen	144	9	6.2	0.014 - 0.078	0.011 ^		10.0
Cranberries	156	0			0.010 ^		5.0
Cranberries, Frozen	25	0			0.010 ^		5.0
Cucumbers	754	0			0.010 ^		2.0
Grapefruit	704	0			0.002 - 0.010		NT
Grapes	706	250	35.4	0.008 - 0.69	0.005 ^		4.0
Green Beans	567	0			0.002 ^		NT
Lettuce	756	0			0.013 ^		30.0
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.010 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Pears	707	0			0.005 ^		10
Potatoes	413	0			0.030 ^		NT
Spinach	692	0			0.009 - 0.015		NT
Strawberries	530	120	22.6	0.010 - 0.97	0.010 ^		3.0
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.030 ^		2.0
Tomatoes, Canned	189	0			0.030 ^		2.0
TOTAL	**9,051**	**388**					
Fenitrothion (insecticide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.005 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**2,860**	**0**					
Fenobucarb - BPMC (insecticide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Fenoxaprop ethyl (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Fenoxycarb (insecticide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Fenpropathrin (insecticide)							
Apples	531	12	2.3	0.022 - 0.14	0.020 ^		5.0
Applesauce	190	0			0.020 ^		5.0
Cherries	30	0			0.020 ^		5.0
Cherries, Frozen	144	40	27.8	0.021 - 1.0	0.020 ^		5.0
Cranberries	156	0			0.005 ^		3.0
Cranberries, Frozen	25	0			0.005 ^		3.0
Cucumbers	754	6	0.8	0.007 - 0.056	0.005 ^		0.5
Grapefruit	704	0			0.005 - 0.010		2.0
Grapes	708	70	9.9	0.005 - 0.34	0.003 ^		5.0
Green Beans	567	0			0.050 ^		NT
Lettuce	756	0			0.020 ^		NT
Olives, Canned	189	16	8.5	0.005 - 0.051	0.005 ^		5.0
Oranges	708	0			0.005 ^		2.0
Pears	707	9	1.3	0.005 - 0.076	0.003 ^		5.0
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.020		NT
Strawberries	530	35	6.6	0.005 - 0.62	0.005 ^		2.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Potatoes	532	0			0.020 ^		NT
Tomatoes	528	14	2.7	0.004 - 0.072	0.002 ^		1.0
Tomatoes, Canned	189	1	0.5	0.004 ^	0.002 ^		1.0
TOTAL	**9,363**	**203**					
Fenpropidin (fungicide)							
Grapefruit	358	0			0.040 ^		NT
Olives, Canned	189	0			0.040 ^		NT
Strawberries	530	0			0.040 ^		NT
TOTAL	**1,077**	**0**					
Fenpropimorph (fungicide)							
Apples	531	0			0.001 ^		NT
Applesauce	190	0			0.001 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Lettuce	756	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**4,016**	**0**					
Fenpyrazamine (fungicide)							
Cranberries	156	0			0.001 ^		5
Cranberries, Frozen	25	0			0.001 ^		5
Grapefruit	358	0			0.020 ^		NT
Grapes	708	3	0.4	0.005 - 0.025	0.003 ^		3
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		3
TOTAL	**1,966**	**3**					
Fenpyroximate (acaricide)							
Apples	531	1	0.2	0.008 ^	0.005 ^		0.30
Applesauce	190	0			0.005 ^		0.30
Cucumbers	754	1	0.1	0.012 ^	0.010 ^		0.40
Grapefruit	358	0			0.001 ^		0.50
Grapes	708	23	3.2	0.005 - 0.086	0.001 ^		1.0
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		0.50
Pears	707	137	19.4	0.002 - 0.19	0.001 ^		0.30
Potatoes	708	0			0.001 - 0.003		0.10
Spinach	358	0			0.003 ^		NT
Strawberries	530	33	6.2	0.002 - 0.15	0.001 ^		1.0
Tomatoes	528	22	4.2	0.004 - 0.025	0.001 - 0.003		0.20
Tomatoes, Canned	189	0			0.003 ^		0.20
TOTAL	**7,214**	**217**					
Fensulfothion (insecticide, fumigant)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Fenthion (insecticide)							
Cherries	30	0			0.015 ^		NT
Cherries, Frozen	144	0			0.015 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Grapes	708	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.030		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.002 - 0.008		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**6,085**	**0**					
Fenthion oxygen analog sulfone (metabolite of Fenthion)							
Cherries	30	0			0.014 ^		NT
Cherries, Frozen	144	0			0.014 ^		NT
Grapes	708	0			0.015 ^		NT
Spinach	349	0			0.015 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
TOTAL	**1,763**	**0**					
Fenthion oxygen analog sulfoxide (metabolite of Fenthion)							
Cherries	30	0			0.014 ^		NT
Cherries, Frozen	144	0			0.014 ^		NT
Spinach	349	0			0.015 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
TOTAL	**1,055**	**0**					
Fenthion sulfone (metabolite of Fenthion)							
Cherries	30	0			0.12 ^		NT
Cherries, Frozen	144	0			0.12 ^		NT
Grapefruit	358	0			0.020 ^		NT
Grapes	708	0			0.012 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Spinach	349	0			0.12 ^		NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	532	0			0.12 ^		NT
TOTAL	**2,840**	**0**					
Fenthion sulfoxide (metabolite of Fenthion)							
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Grapefruit	358	0			0.020 ^		NT
Grapes	708	0			0.012 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Spinach	349	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	532	0			0.020 ^		NT
TOTAL	**2,840**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Fenuron (herbicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Fipronil (insecticide)							
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	14	2	0.003 - 0.010	0.002 ^		0.03
Spinach	707	0			0.002 - 0.020		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.020 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**5,377**	**14**					
Fipronil sulfone - MB46136 (metabolite of Fipronil)							
Apples	531	0			0.050 ^		NT
Applesauce	190	0			0.050 ^		NT
Grapefruit	358	0			0.003 ^		NT
Lettuce	756	0			0.050 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**2,554**	**0**					
Flazasulfuron (herbicide)							
Cranberries	126	0			0.005 ^		NT
Cranberries, Frozen	23	0			0.005 ^		NT
Grapefruit	704	0			0.005 ^		0.01
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,572**	**0**					
Flonicamid (insecticide)							
Apples	531	1	0.2	0.010 ^	0.006 ^		0.20
Applesauce	190	0			0.006 ^		0.20
Cherries	30	0			0.005 ^		0.60
Cherries, Frozen	144	0			0.005 ^		0.60
Cranberries	156	0			0.050 ^		1.5
Cranberries, Frozen	25	0			0.050 ^		1.5
Cucumbers	754	60	8	0.012 - 0.30	0.010 ^		1.5
Grapefruit	704	0			0.010 - 0.10		NT
Green Beans	567	0			0.10 ^		NT
Lettuce	756	52	6.9	0.006 - 1.5	0.006 ^		4.0
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.010 ^		NT
Pears	707	0			0.020 ^		0.20
Potatoes	708	3	0.4	0.002 - 0.005	0.001 ^		0.20
Spinach	707	209	29.6	0.002 - 4.1	0.001 - 0.005		9.0
Strawberries	530	156	29.4	0.010 - 0.61	0.010 ^		1.5

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Potatoes	532	0			0.005 ^		0.20
Tomatoes	528	129	24.4	0.002 - 0.23	0.001 ^		0.40
Tomatoes, Canned	189	0			0.001 ^		0.40
TOTAL	**8,655**	**610**					
Fluazifop (herbicide)							
Grapefruit	358	0			0.050 ^		NT
Olives, Canned	189	0			0.050 ^		NT
Strawberries	530	0			0.050 ^		NT
TOTAL	**1,077**	**0**					
Fluazifop butyl (herbicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.001 - 0.005		0.03
Grapes	708	0			0.001 ^		0.01
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.001 ^		1.0
Spinach	358	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes C2629	528	1	0.2	0.002 ^	0.001 ^	V - 1	NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**4,095**	**1**					
Fluazinam (fungicide)							
Grapefruit	358	0			0.003 ^		NT
Grapes	708	0			0.020 ^		3.0
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,785**	**0**					
Flubendiamide (insecticide)							
Apples	531	27	5.1	0.005 - 0.13	0.004 ^		1.5
Applesauce	190	50	26.3	0.004 - 0.017	0.004 ^		1.5
Cranberries	156	0			0.020 ^		NT
Cranberries, Frozen	25	0			0.020 ^		NT
Grapefruit	704	0			0.003 ^		NT
Grapes	708	7	1	0.017 - 0.081	0.010 ^		1.4
Green Beans	567	10	1.8	0.005 - 0.050	0.003 ^		0.50
Lettuce	756	13	1.7	0.004 - 0.77	0.004 ^		11
Olives, Canned	189	0			0.003 ^		NT
Pears	706	5	0.7	0.017 - 0.095	0.010 ^		1.5
Strawberries	530	9	1.7	0.003 - 0.055	0.003 ^		1.5
TOTAL	**5,062**	**121**					
Flucythrinate (insecticide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Fludioxonil (fungicide)							
Apples	531	186	35	0.028 - 2.8	0.025 ^		5.0
Applesauce	190	19	10	0.025 - 0.12	0.025 ^		5.0
Cherries	30	18	60	0.050 - 1.2	0.031 - 0.062		5.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cherries, Frozen	144	8	5.6	0.037 - 0.71	0.031 - 0.062		5.0
Cranberries	156	0			0.005 ^		2.0
Cranberries, Frozen	25	0			0.005 ^		2.0
Cucumbers	754	5	0.7	0.007 - 0.028	0.005 ^		0.45
Grapefruit	704	3	0.4	0.011 - 0.028	0.010 - 0.020		10
Grapes	708	139	19.6	0.033 - 0.44	0.020 ^		2.0
Green Beans	567	0			0.050 ^		0.4
Lettuce	756	1	0.1	0.052 ^	0.025 ^		30
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	9	1.3	0.006 - 0.028	0.005 ^		10
Pears	707	296	41.9	0.033 - 3.9	0.020 ^		5.0
Potatoes	708	66	9.3	0.020 - 0.93	0.012 - 0.040		6.0
Spinach	707	1	0.1	0.038 ^	0.012 - 0.040		30
Strawberries	530	192	36.2	0.010 - 0.62	0.010 ^		3.0
Sweet Potatoes	532	127	23.9	0.067 - 0.70	0.065 ^		6.0
Tomatoes	528	7	1.3	0.020 - 0.065	0.012 ^		5.0
Tomatoes, Canned	189	0			0.012 ^		5.0
TOTAL	**9,363**	**1,077**					
Flufenacet (herbicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.010		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,604**	**0**					
Flufenoxuron (insecticide)							
Apples	531	0			0.001 ^		0.50
Applesauce	190	0			0.001 ^		0.50
Grapefruit	358	0			0.001 ^		NT
Grapes	708	0			0.005 ^		0.70
Lettuce	567	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Pears	707	0			0.005 ^		0.50
Strawberries	530	0			0.001 ^		NT
TOTAL	**3,780**	**0**					
Flufenpyr ethyl (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Flumetsulam (herbicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Flumiclorac pentyl (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Flumioxazin (herbicide)							
Apples	531	0			0.010 ^		0.02
Applesauce	190	0			0.010 ^		0.02
Cherries	30	0			0.010 ^		0.02
Cherries, Frozen	144	0			0.010 - 0.020		0.02
Grapefruit	704	0			0.020 ^		NT
Grapes	708	0			0.035 ^		0.02
Green Beans	567	0			0.080 ^		NT
Lettuce	724	0			0.001 - 0.010		NT
Olives, Canned	189	0			0.020 ^		0.02
Pears	707	0			0.035 ^		0.02
Potatoes	708	0			0.002 - 0.005		0.02
Spinach	707	0			0.002 - 0.010		NT
Strawberries	530	0			0.020 ^		0.07
Sweet Potatoes	502	0			0.050 ^		0.02
Tomatoes	528	0			0.002 - 0.005		0.02
Tomatoes, Canned	189	0			0.002 ^		0.02
TOTAL	**7,658**	**0**					
Fluometuron (herbicide)							
Cranberries	156	0			0.004 ^		NT
Cranberries, Frozen	25	0			0.004 ^		NT
Grapefruit	704	0			0.002 - 0.003		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,604**	**0**					
Fluopicolide (fungicide)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.013 ^		NT
Cherries, Frozen	144	0			0.013 ^		NT
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Cucumbers	754	60	8	0.010 - 0.11	0.010 ^		0.50
Grapefruit	704	0			0.001 - 0.002		NT
Grapes	708	0			0.010 ^		2.0
Green Beans	567	0			0.002 ^		NT
Lettuce	756	26	3.4	0.005 - 2.6	0.005 ^		25
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		0.3
Spinach	707	276	39	0.003 - 6.6	0.002 - 0.015		25
Strawberries	530	7	1.3	0.001 - 0.010	0.001 ^	V - 7	NT
Sweet Potatoes	532	0			0.015 ^		0.3
Tomatoes	528	26	4.9	0.003 - 0.046	0.002 ^		1.60
Tomatoes, Canned	189	2	1.1	0.003 - 0.009	0.002 ^		1.60
TOTAL	**8,656**	**397**					
Fluopyram (fungicide)							
Apples	531	9	1.7	0.006 - 0.052	0.005 - 0.025		0.80
Applesauce	190	1	0.5	0.006 ^	0.005 ^		0.80
Cranberries	156	0			0.002 ^		7.0
Cranberries, Frozen	25	0			0.002 ^		7.0
Cucumbers	754	21	2.8	0.012 - 0.061	0.010 ^		0.60

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.001 - 0.002		1.0
Lettuce	756	3	0.4	0.006 - 0.25	0.005 - 0.025		40
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		1.0
Strawberries	530	48	9.1	0.002 - 0.41	0.001 ^		2.0
Sweet Potatoes	532	0			0.005 ^		0.10
TOTAL	**5,075**	**82**					
Fluoxastrobin (fungicide)							
Cherries	30	0			0.013 ^		NT
Cherries, Frozen	144	0			0.013 ^		NT
Cranberries	156	0			0.001 ^		1.9
Cranberries, Frozen	25	0			0.001 ^		1.9
Cucumbers	754	15	2	0.003 - 0.043	0.002 ^		0.50
Grapefruit	704	0			0.001 ^		NT
Green Beans	567	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.002 ^		NT
Potatoes	708	1	0.1	0.002 ^	0.001 ^		0.010
Spinach	707	0			0.001 - 0.015		NT
Strawberries	530	1	0.2	0.002 ^	0.001 ^		1.9
Sweet Potatoes	532	0			0.015 ^		0.010
Tomatoes	528	17	3.2	0.002 - 0.019	0.001 ^		1.0
Tomatoes, Canned	189	0			0.001 ^		1.0
TOTAL	**6,471**	**34**					
Flupyradifurone (insecticide)							
Cranberries	156	0			0.005 ^		4.0
Cranberries, Frozen	25	0			0.005 ^		4.0
Grapefruit	704	15	2.1	0.001 - 0.003	0.001 - 0.020		3.0
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	84	15.8	0.001 - 0.23	0.001 ^		1.5
TOTAL	**1,604**	**99**					
Fluquinconazole (fungicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Grapefruit	358	0			0.003 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**2,554**	**0**					
Fluridone (herbicide)							
Apples	531	0			0.001 ^		0.1
Applesauce	190	0			0.001 ^		0.1
Cherries	30	0			0.002 ^		0.1
Cherries, Frozen	144	0			0.002 ^		0.1
Cranberries	156	0			0.002 ^		0.1
Cranberries, Frozen	25	0			0.002 ^		0.1
Cucumbers	754	0			0.010 ^		0.1
Grapefruit	704	0			0.001 ^		0.1
Grapes	708	0			0.001 ^		0.1
Green Beans	567	0			0.001 ^		0.1
Lettuce	756	0			0.001 ^		0.1

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Olives, Canned	189	3	1.6	0.002 ^	0.001 ^	V - 3	NT
Oranges	708	0			0.010 ^		0.1
Pears	707	0			0.001 ^		0.1
Spinach	349	0			0.005 ^		0.1
Strawberries	530	0			0.001 ^		0.1
Sweet Potatoes	532	0			0.005 ^		0.1
TOTAL	**7,580**	**3**					
Fluroxypyr (herbicide metabolite)							
Grapefruit	358	0			0.050 ^		NT
Olives, Canned	189	0			0.050 ^		NT
Strawberries	530	0			0.050 ^		NT
TOTAL	**1,077**	**0**					
Flusilazole (fungicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.008 ^		NT
Cherries, Frozen	144	0			0.008 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Grapes	708	0			0.001 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**5,779**	**0**					
Fluthiacet methyl (herbicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.003 - 0.005		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,604**	**0**					
Flutolanil (fungicide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Grapefruit	358	0			0.001 ^		NT
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**2,554**	**0**					
Flutriafol (fungicide)							
Apples	531	3	0.6	0.015 - 0.026	0.010 ^		0.40
Applesauce	190	0			0.010 ^		0.40
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Grapefruit	704	0			0.001 - 0.025		NT
Grapes	708	20	2.8	0.003 - 0.29	0.002 ^		1.5
Lettuce	756	0			0.010 ^		10

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Olives, Canned	189	0			0.001 ^		NT
Pears	707	0			0.002 ^		0.40
Strawberries	530	17	3.2	0.006 - 0.24	0.001 ^		1.5
TOTAL	**4,496**	**40**					
Fluvalinate (insecticide)							
Apples	531	0			0.050 ^		NT
Applesauce	190	0			0.050 ^		NT
Cherries	30	0			0.035 ^		NT
Cherries, Frozen	144	0			0.035 ^		NT
Cranberries	156	0			0.050 ^		NT
Cranberries, Frozen	25	0			0.050 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	703	0			0.005 - 0.010		NT
Grapes	708	0			0.005 ^		NT
Green Beans	567	0			0.015 ^		NT
Lettuce	756	0			0.050 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.005 ^		NT
Spinach	349	0			0.035 ^		NT
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.035 ^		NT
TOTAL	**7,579**	**0**					
Fluxapyroxad (fungicide)							
Cranberries	156	0			0.005 ^		7.0
Cranberries, Frozen	25	0			0.005 ^		7.0
Grapefruit	704	0			0.001 - 0.005		NT
Grapes	708	0			0.005 ^		2.0
Green Beans	567	16	2.8	0.005 - 0.23	0.005 ^		2.0
Olives, Canned	189	0			0.001 ^		NT
Pears	707	0			0.005 ^		0.8
Potatoes	708	9	1.3	0.002 - 0.010	0.001 ^		0.02
Spinach	358	11	3.1	0.002 - 2.0	0.001 ^		30
Strawberries	530	170	32.1	0.001 - 0.58	0.001 ^		4.0
Sweet Potatoes	532	0			0.010 ^		0.02
Tomatoes	528	41	7.8	0.002 - 0.044	0.001 ^		0.7
Tomatoes, Canned	189	25	13.2	0.002 - 0.009	0.001 ^		0.7
TOTAL	**5,901**	**272**					
Folpet (fungicide)							
Apples	472	0			0.030 ^		5.0
Applesauce	158	0			0.030 - 0.15		5.0
Cranberries	126	0			0.005 ^		15.0
Cranberries, Frozen	23	0			0.005 ^		15.0
Cucumbers	610	1	0.2	0.047 ^	0.015 ^		2.0
Grapes	708	1	0.1	0.042 ^	0.025 ^		50.0
Oranges	708	0			0.015 ^		NT
TOTAL	**2,805**	**2**					
Fomesafen (herbicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Fonofos (insecticide)							
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.030 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**4,854**	**0**					
Forchlorfenuron (plant growth regulator)							
Cranberries	156	0			0.001 ^		0.01
Cranberries, Frozen	25	0			0.001 ^		0.01
Cucumbers	754	0			0.002 ^		NT
Grapefruit	358	0			0.001 ^		NT
Grapes	708	3	0.4	0.003 ^	0.002 ^		0.03
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.002 ^		NT
Pears	707	0			0.002 ^		0.01
Strawberries	530	0			0.001 ^		NT
TOTAL	**4,135**	**3**					
Formetanate hydrochloride (insecticide)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		1.5
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		1.5
Pears	707	0			0.030 ^		0.50
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**4,301**	**0**					
Fosthiazate (nematicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Furalaxyl (fungicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Furathiocarb (insecticide)							
Cucumbers	754	0			0.010 ^		NT
Oranges	708	0			0.010 ^		NT
TOTAL	**1,462**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Halosulfuron (herbicide)							
Cherries	30	0			0.050 ^		NT
Cherries, Frozen	144	0			0.050 ^		NT
Cranberries	156	0			0.010 ^		0.05
Cranberries, Frozen	25	0			0.010 ^		0.05
Grapefruit	346	0			0.005 ^		NT
Green Beans	567	0			0.005 ^		NT
Spinach	349	0			0.050 ^		NT
Sweet Potatoes	532	0			0.055 ^		0.05
TOTAL	**2,149**	**0**					
Halosulfuron methyl [2] (herbicide)							
Cucumbers	754	0			0.010 ^		0.5
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Oranges	708	0			0.010 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**2,539**	**0**					
Haloxyfop (herbicide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Heptenophos (insecticide, acaricide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Hexaconazole (fungicide)							
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**2,539**	**0**					
Hexazinone (herbicide)							
Cherries	30	0			0.002 ^		NT
Cherries, Frozen	144	0			0.002 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**2,132**	**0**					
Hexythiazox (insecticide, acaricide)							
Apples	531	36	6.8	0.003 - 0.036	0.002 ^		0.4
Applesauce	190	0			0.002 ^		0.4
Cherries	30	0			0.012 ^		1.0
Cherries, Frozen	144	1	0.7	0.014 ^	0.012 ^		1.0
Cucumbers	754	0			0.010 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.001 - 0.30		0.6
Grapes	708	6	0.8	0.008 - 0.022	0.005 ^		1
Green Beans	536	0			0.30 ^		0.3
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		0.6
Pears	707	19	2.7	0.008 - 0.069	0.005 ^		0.4
Spinach	349	0			0.015 ^		NT
Strawberries	530	69	13	0.001 - 0.35	0.001 ^		6
Sweet Potatoes	532	0			0.015 ^		NT
TOTAL	**7,368**	**131**					
Hydroprene (insect growth regulator)							
Cranberries	156	0			0.005 ^		0.2
Cranberries, Frozen	25	0			0.005 ^		0.2
Grapefruit	704	0			0.010 - 0.020		0.2
Grapes	708	0			0.007 ^		0.2
Green Beans	567	0			0.008 ^		0.2
Olives, Canned	189	0			0.020 ^		0.2
Pears	707	0			0.007 ^		0.2
Potatoes	708	0			0.002 ^		0.2
Spinach	707	0			0.002 - 0.015		0.2
Strawberries	530	0			0.020 ^		0.2
Sweet Potatoes	532	0			0.015 ^		0.2
Tomatoes	528	0			0.002 ^		0.2
Tomatoes, Canned	189	0			0.002 ^		0.2
TOTAL	**6,250**	**0**					
3-Hydroxycarbofuran (metabolite of Carbofuran)							
Apples	531	0			0.003 ^		NT
Applesauce	190	0			0.003 ^		NT
Cherries	30	0			0.002 - 0.004		NT
Cherries, Frozen	144	0			0.002 - 0.004		NT
Cranberries	156	0			0.004 ^		NT
Cranberries, Frozen	25	0			0.004 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.004		NT
Grapes	708	0			0.050 ^		NT
Green Beans	567	1	0.2	0.002 ^	0.002 ^	V - 1	NT
Lettuce	756	0			0.003 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Pears	707	0			0.050 ^		NT
Potatoes	708	0			0.001 - 0.004		NT
Spinach	707	0			0.001 - 0.005		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.001 - 0.004		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**9,363**	**1**					
5-Hydroxythiabendazole (metabolite of Thiabendazole)							
Grapefruit	358	6	1.7	0.001 - 0.003	0.001 ^		10.0
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		5.0
TOTAL	**1,077**	**6**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Imazalil (fungicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	1	0.7	0.028 ^	0.005 ^	V - 1	NT
Cranberries	126	0			0.005 ^		NT
Cranberries, Frozen	23	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	562	79.8	0.001 - 0.11	0.001 - 0.003		10.0
Grapes	708	0			0.003 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	591	83.5	0.010 - 0.47	0.010 ^		10.0
Pears	707	1	0.1	3.0 ^	0.003 ^	V - 1	NT
Potatoes	708	1	0.1	0.004 ^	0.001 - 0.003	V - 1	NT
Spinach	678	0			0.001 - 0.005		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**8,735**	**1,156**					
Imazapic (herbicide)							
Grapefruit	30	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**749**	**0**					
Imazapyr (herbicide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Imazaquin (herbicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Imazethapyr (herbicide)							
Apples	531	0			0.020 ^		NT
Applesauce	190	0			0.020 ^		NT
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,798**	**0**					
Imazosulfuron (herbicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.025 ^		0.02
TOTAL	**1,609**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Imidacloprid (insecticide)							
Apples	531	40	7.5	0.003 - 0.021	0.003 ^		0.5
Applesauce	190	18	9.5	0.004 - 0.013	0.003 ^		0.5
Cherries	30	0			0.019 ^		3.0
Cherries, Frozen	144	31	21.5	0.019 - 0.23	0.019 ^		3.0
Cranberries	156	0			0.005 ^		0.05
Cranberries, Frozen	25	0			0.005 ^		0.05
Cucumbers	754	21	2.8	0.010 - 0.060	0.010 ^		0.5
Grapefruit	704	95	13.5	0.003 - 0.039	0.003 - 0.005		0.70
Grapes	707	61	8.6	0.042 - 2.2	0.025 - 0.083	X - 1	1.0
Green Beans	567	18	3.2	0.005 - 0.071	0.005 ^		4.0
Lettuce	756	285	37.7	0.003 - 0.16	0.003 ^		3.5
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	11	1.6	0.011 - 0.045	0.010 ^		0.70
Pears	706	71	10.1	0.042 - 0.36	0.025 ^		0.6
Potatoes	708	301	42.5	0.002 - 0.11	0.001 ^		0.40
Spinach	707	291	41.2	0.002 - 0.57	0.001 - 0.020		3.5
Strawberries	530	75	14.2	0.003 - 0.063	0.003 ^		0.50
Sweet Potatoes	532	0			0.020 ^		0.40
Tomatoes	528	123	23.3	0.002 - 0.11	0.001 - 0.003		1.0
Tomatoes, Canned	189	52	27.5	0.002 - 0.016	0.001 ^		1.0
TOTAL	**9,361**	**1,493**					
Imidacloprid urea (metabolite of Imidacloprid)							
Cherries	30	0			0.011 ^		3.0
Cherries, Frozen	144	0			0.011 ^		3.0
Spinach	349	0			0.015 ^		3.5
Sweet Potatoes	532	0			0.015 ^		0.40
TOTAL	**1,055**	**0**					
Imiprothrin (insecticide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.091 ^		NT
Cherries, Frozen	144	0			0.091 ^		NT
Cranberries	156	0			0.050 ^		NT
Cranberries, Frozen	25	0			0.050 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.010 - 0.040		NT
Grapes	708	0			0.010 ^		NT
Green Beans	567	0			0.030 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Oranges	689	0			0.010 ^		NT
Pears	707	0			0.010 ^		NT
Spinach	349	0			0.095 ^		NT
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.095 ^		NT
TOTAL	**7,561**	**0**					
Indaziflam (herbicide)							
Apples	531	0			0.001 ^		0.01
Applesauce	190	0			0.001 ^		0.01
Cranberries	156	0			0.001 ^		NT
Cranberries, Frozen	25	0			0.001 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.001 ^		0.01
Grapes	708	0			0.006 ^		0.01
Lettuce	756	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		0.01
Pears	707	0			0.006 ^		0.01
Strawberries	530	0			0.001 ^		NT
TOTAL	**4,496**	**0**					
Indoxacarb (insecticide)							
Apples	531	2	0.4	0.030 - 0.055	0.020 ^		1.0
Applesauce	190	0			0.020 ^		1.0
Cherries	30	0			0.021 - 0.042		0.90
Cherries, Frozen	144	0			0.021 - 0.042		0.90
Cranberries	156	0			0.050 ^		1.5
Cranberries, Frozen	25	0			0.050 ^		1.5
Cucumbers	754	0			0.010 ^		0.60
Grapefruit	675	0			0.005 - 0.010		NT
Grapes	708	13	1.8	0.013 - 0.062	0.008 ^		2
Green Beans	567	0			0.050 ^		0.9
Lettuce	756	0			0.020 ^		14
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		NT
Pears	707	2	0.3	0.013 ^	0.008 ^		0.20
Spinach	349	1	0.3	0.037 ^	0.025 ^		14
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.025 ^		0.01
TOTAL	**7,551**	**18**					
Ipconazole (fungicide)							
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	675	0			0.003 - 0.020		NT
Green Beans	567	0			0.002 ^		0.01
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**2,142**	**0**					
Iprodione (fungicide)							
Apples	531	0			0.040 ^		NT
Applesauce	190	0			0.040 ^		NT
Cherries	30	28	93.3	0.032 - 2.6	0.022 ^		20.0
Cherries, Frozen	144	30	20.8	0.034 - 1.7	0.022 ^		20.0
Cranberries	156	0			0.075 ^		NT
Cranberries, Frozen	25	0			0.075 ^		NT
Cucumbers	754	1	0.1	0.022 ^	0.005 ^	V - 1	NT
Grapefruit	704	0			0.010 - 0.15		NT
Grapes	708	77	10.9	0.017 - 1.2	0.010 ^		60.0
Green Beans	567	0			0.15 ^		2.0
Lettuce	756	2	0.3	0.40 ^	0.040 ^		25.0
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	668	0			0.009 - 0.030		0.5
Spinach	707	2	0.3	0.015 - 0.042	0.009 - 0.030	V - 2	NT
Strawberries	530	13	2.5	0.012 - 0.59	0.010 ^		15.0
Sweet Potatoes	532	0			0.025 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tomatoes	528	0			0.009 ^		NT
Tomatoes, Canned	189	0			0.009 - 0.030		NT
TOTAL	**8,616**	**153**					
Iprovalicarb (fungicide)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Grapefruit	358	0			0.003 ^		NT
Grapes	708	0			0.001 ^		2.0
Olives, Canned	189	0			0.003 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**2,840**	**0**					
Isocarbophos (insecticide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Isofenphos (insecticide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Isofenphos methyl (metabolite if Isofenphos)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Isofetamid (fungicide)							
Cranberries	156	0			0.001 ^		5.0
Cranberries, Frozen	25	0			0.001 ^		5.0
TOTAL	**181**	**0**					
Isoprocarb (insecticide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Isoproturon (herbicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Isoxadifen ethyl (herbicide safener)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,604**	**0**					
Kresoxim-methyl (fungicide)							
Apples	531	0			0.010 ^		0.5
Applesauce	190	0			0.010 ^		0.5
Cherries	30	0			0.015 ^		NT
Cherries, Frozen	144	0			0.015 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 ^		NT
Grapes	708	19	2.7	0.013 - 0.047	0.008 ^		1.0
Green Beans	567	0			0.020 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Pears	707	1	0.1	0.013 ^	0.008 ^		0.5
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.015		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**7,901**	**20**					
Lactofen (herbicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Lenacil (herbicide)							
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**2,539**	**0**					
Leptophos oxygen analog (insecticide metabolite)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Linuron (herbicide)							
Cherries	30	0			0.007 ^		NT
Cherries, Frozen	144	1	0.7	0.026 ^	0.007 ^	V - 1	NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	0			0.019 ^		NT
Grapefruit	704	0			0.003 - 0.016		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.019 ^		NT
Potatoes	708	0			0.003 ^		0.2
Spinach	707	12	1.7	0.005 - 0.023	0.003 - 0.010	V - 12	NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**5,904**	**13**					
Lufenuron (insecticide)							
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**2,132**	**0**					
Malathion (insecticide)							
Apples	531	1	0.2	0.004 ^	0.002 ^		8
Applesauce	190	0			0.002 ^		8
Cherries	30	0			0.005 ^		8
Cherries, Frozen	144	5	3.5	0.005 - 0.036	0.005 ^		8
Cranberries	156	0			0.010 ^		8
Cranberries, Frozen	25	0			0.010 ^		8
Cucumbers	754	0			0.010 ^		8
Grapefruit	704	0			0.003 - 0.005		8
Grapes	708	0			0.002 ^		8
Green Beans	567	1	0.2	0.006 ^	0.002 ^		8
Lettuce	756	0			0.002 ^		8
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		8
Pears	707	0			0.002 ^		8
Potatoes	708	0			0.001 ^		8
Spinach	707	0			0.001 - 0.005		8
Strawberries	530	33	6.2	0.003 - 0.068	0.003 ^		8
Sweet Potatoes	532	1	0.2	0.005 ^	0.005 ^		1
Tomatoes	528	1	0.2	0.006 ^	0.001 - 0.003		8
Tomatoes, Canned	189	0			0.001 ^		8
TOTAL	**9,363**	**42**					
Malathion oxygen analog (metabolite of Malathion)							
Apples	502	0			0.002 ^		8
Applesauce	190	0			0.002 ^		8
Cherries	30	0			0.004 ^		8
Cherries, Frozen	144	0			0.004 ^		8
Cranberries	156	0			0.002 ^		8
Cranberries, Frozen	25	0			0.002 ^		8
Cucumbers	754	0			0.010 ^		8
Grapefruit	704	0			0.001 ^		8
Grapes	708	0			0.005 ^		8
Green Beans	567	0			0.001 ^		8
Lettuce	756	0			0.002 ^		8
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		8
Pears	707	0			0.005 ^		8
Potatoes	708	0			0.003 ^		8

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Spinach	707	0			0.003 - 0.005		8
Strawberries	530	11	2.1	0.001 - 0.004	0.001 ^		8
Sweet Potatoes	532	0			0.005 ^		1
Tomatoes	528	0			0.003 ^		8
Tomatoes, Canned	189	0			0.003 ^		8
TOTAL	**9,334**	**11**					
Mandipropamid (fungicide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	6	0.8	0.005 - 0.013	0.005 ^		0.6
Grapefruit	704	0			0.001 - 0.003		NT
Grapes	708	0			0.003 ^		1.4
Green Beans	567	0			0.001 ^		0.90
Lettuce	756	111	14.7	0.002 - 2.3	0.002 ^		20
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.005 ^		0.09
Spinach	707	481	68	0.008 - 7.1	0.005 - 0.020		20
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.020 ^		0.09
Tomatoes	528	11	2.1	0.008 ^	0.005 ^		1.0
Tomatoes, Canned	189	1	0.5	0.008 ^	0.005 ^		1.0
TOTAL	**8,656**	**610**					
MCPA (herbicide)							
Grapefruit	268	0			0.25 ^		NT
Strawberries	530	0			0.25 ^		NT
TOTAL	**798**	**0**					
MCPB (herbicide)							
Grapefruit	268	0			0.25 ^		NT
Strawberries	530	0			0.25 ^		NT
TOTAL	**798**	**0**					
Mecarbam (insecticide, acaricide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Mecoprop - MCPP (herbicide)							
Grapefruit	358	0			0.25 ^		NT
Olives, Canned	189	0			0.25 ^		NT
Strawberries	530	0			0.25 ^		NT
TOTAL	**1,077**	**0**					
Mefenpyr diethyl (herbicide safener)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Mepanipyrim (fungicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 - 0.003		NT
Strawberries	530	0			0.001 ^		1.5
TOTAL	**1,077**	**0**					
Mesotrione (herbicide)							
Cranberries	156	0			0.050 ^		0.02
Cranberries, Frozen	25	0			0.050 ^		0.02
Grapefruit	346	0			0.010 ^		0.01
Strawberries	530	0			0.020 ^		0.01
TOTAL	**1,057**	**0**					
Metaflumizone (insecticide)							
Cherries	30	0			0.005 ^		0.04
Cherries, Frozen	144	0			0.005 ^		0.04
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Grapefruit	704	0			0.001 - 0.010		0.04
Olives, Canned	189	0			0.010 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**2,659**	**0**					
Metalaxyl/Mefenoxam [3] (fungicide)							
Apples	531	0			0.001 ^		0.2
Applesauce	190	0			0.001 ^		0.2
Cherries	30	0			0.030 ^		1.0
Cherries, Frozen	144	0			0.030 ^		1.0
Cranberries	156	0			0.010 ^		4.0
Cranberries, Frozen	25	0			0.010 ^		4.0
Cucumbers	754	225	29.8	0.005 - 0.32	0.005 ^		1.0
Grapefruit	704	0			0.001 - 0.005		1.0
Grapes	708	3	0.4	0.005 - 0.034	0.003 ^		2.0
Green Beans	567	28	4.9	0.001 - 0.066	0.001 ^		0.2
Lettuce	756	46	6.1	0.001 - 0.017	0.001 ^		5.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		1.0
Potatoes	708	54	7.6	0.002 - 0.017	0.001 ^		0.5
Spinach	707	16	2.3	0.002 - 0.19	0.001 - 0.030		10.0
Strawberries	530	84	15.8	0.001 - 0.15	0.001 ^		10.0
Sweet Potatoes	532	0			0.030 ^		0.5
Tomatoes	528	6	1.1	0.002 - 0.066	0.001 ^		1.0
Tomatoes, Canned	189	2	1.1	0.002 ^	0.001 ^		1.0
TOTAL	**8,656**	**464**					
Metaldehyde (molluscicide)							
Cherries	30	0			0.11 ^		NT
Cherries, Frozen	144	0			0.11 ^		NT
Grapefruit	358	0			0.10 ^		0.26
Olives, Canned	189	0			0.10 ^		NT
Spinach	349	0			0.11 ^		NT
Strawberries	530	1	0.2	0.12 ^	0.10 ^		6.25
Sweet Potatoes	532	0			0.11 ^		NT
TOTAL	**2,132**	**1**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Metconazole (fungicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.010 ^		0.04
TOTAL	**1,609**	**0**					
Methamidophos (insecticide) (also a metabolite of Acephate)							
Apples	531	0			0.005 ^		0.02
Applesauce	190	0			0.005 ^		0.02
Cherries	30	0			0.033 ^		0.02
Cherries, Frozen	144	0			0.033 ^		0.02
Cranberries	156	0			0.020 ^		0.1
Cranberries, Frozen	25	0			0.020 ^		0.1
Cucumbers	754	1	0.1	0.016 ^	0.010 ^		0.02
Grapefruit	704	0			0.001 - 0.020		0.02
Grapes	708	0			0.050 ^		0.02
Green Beans	567	54	9.5	0.020 - 0.58	0.020 ^		1 [4]
Lettuce	756	5	0.7	0.006 - 0.019	0.005 ^		1 [4]
Olives, Canned	189	0			0.001 ^		0.02
Oranges	708	0			0.010 ^		0.02
Potatoes	708	0			0.001 - 0.004		0.1
Spinach	707	0			0.004 - 0.035		0.02
Strawberries	530	0			0.001 ^		0.02
Sweet Potatoes	532	0			0.035 ^		0.02
Tomatoes	528	2	0.4	0.002 - 0.008	0.001 ^		2.0
Tomatoes, Canned	189	0			0.001 ^		2.0
TOTAL	**8,656**	**62**					
Methidathion (insecticide)							
Apples	472	0			0.010 ^		0.05
Applesauce	190	0			0.010 ^		0.05
Cherries	30	0			0.012 ^		0.05
Cherries, Frozen	144	0			0.012 ^		0.05
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.003		4.0
Grapes	708	0			0.003 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		0.05
Oranges	708	0			0.010 ^		4.0
Pears	707	3	0.4	0.005 - 0.040	0.003 ^		0.05
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.015		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**8,737**	**3**					
Methiocarb (insecticide)							
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Oranges	708	0			0.010 ^		NT
Potatoes	708	0			0.001 - 0.003		NT
Spinach	358	0			0.001 - 0.003		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	508	0			0.001 - 0.003		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**4,302**	**0**					
Methiocarb sulfone (metabolite of Methiocarb)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Methiocarb sulfoxide (metabolite of Methiocarb)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Methomyl (insecticide)							
Apples	531	0			0.030 ^		1
Applesauce	190	0			0.030 ^		1
Cherries	30	0			0.013 ^		NT
Cherries, Frozen	144	0			0.013 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	4	0.5	0.016 - 0.068	0.010 ^		0.2
Grapefruit	704	0			0.001 - 0.010		2
Grapes	708	3	0.4	0.017 - 0.49	0.005 ^		5
Green Beans	567	51	9	0.001 - 0.62	0.001 ^		2
Lettuce	756	18	2.4	0.030 - 0.83	0.030 ^		5
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.010 ^		2
Pears	707	0			0.005 ^		4
Potatoes	708	0			0.002 ^		0.2
Spinach	707	30	4.2	0.004 - 1.0	0.002 - 0.015		6
Strawberries	530	2	0.4	0.016 - 0.11	0.010 ^	V - 2	NT
Sweet Potatoes	532	0			0.015 ^		0.2
Tomatoes	528	0			0.002 ^		1
Tomatoes, Canned	189	0			0.002 ^		1
TOTAL	**9,363**	**108**					
Methomyl oxime (metabolite of Methomyl)							
Grapefruit	346	0			0.050 ^		2
TOTAL	**346**	**0**					
Methoprene (insect growth regulator)							
Grapefruit	346	0			0.050 ^		EX2
Green Beans	567	0			0.040 ^		EX2
Potatoes	708	0			0.015 ^		EX2
Sweet Potatoes	532	0			0.030 ^		EX2
Tomatoes	528	0			0.015 ^		EX2
Tomatoes, Canned	189	0			0.015 ^		EX2
TOTAL	**2,870**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Methoxychlor Total (insecticide)							
Cherries	30	0			0.039 ^		NT
Cherries, Frozen	144	0			0.039 ^		NT
Potatoes	689	0			0.001 - 0.003		NT
Spinach	678	0			0.001 - 0.20		NT
Sweet Potatoes	532	0			0.040 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 - 0.003		NT
TOTAL	**2,790**	**0**					
Methoxychlor olefin (metabolite of Methoxychlor)							
Potatoes	708	0			0.001 - 0.003		NT
Spinach	358	0			0.001 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**1,783**	**0**					
Methoxychlor p,p' (isomer of Methoxychlor)							
Cucumbers	690	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**2,475**	**0**					
Methoxyfenozide (insecticide)							
Apples	531	25	4.7	0.004 - 0.045	0.003 ^		2.0
Applesauce	190	2	1.1	0.004 - 0.010	0.003 ^		2.0
Cherries	30	0			0.006 ^		3.0
Cherries, Frozen	144	1	0.7	0.006 ^	0.006 ^		3.0
Cranberries	156	3	1.9	0.002 - 0.003	0.002 ^		3.0
Cranberries, Frozen	25	6	24	0.002 - 0.008	0.002 ^		3.0
Cucumbers	754	0			0.010 ^		0.3
Grapefruit	704	2	0.3	0.003 - 0.004	0.002 - 0.003		3.0
Grapes	708	81	11.4	0.008 - 0.15	0.005 ^		1.0
Green Beans	567	8	1.4	0.002 - 0.062	0.002 ^		1.5
Lettuce	756	11	1.5	0.003 - 0.29	0.003 ^		30
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		3.0
Pears	707	15	2.1	0.008 - 0.073	0.005 ^		2.0
Potatoes	708	0			0.001 ^		0.02
Spinach	707	40	5.7	0.002 - 5.0	0.001 - 0.010		30
Strawberries	530	24	4.5	0.003 - 0.15	0.003 ^		2.0
Sweet Potatoes	532	0			0.010 ^		0.02
Tomatoes	528	52	9.8	0.002 - 0.028	0.001 ^		2.0
Tomatoes, Canned	189	6	3.2	0.002 - 0.006	0.001 ^		2.0
TOTAL	**9,363**	**276**					
Metolachlor (herbicide)							
Apples	531	0			0.001 ^		NT
Applesauce	190	0			0.001 ^		NT
Cherries	30	0			0.007 ^		NT
Cherries, Frozen	144	0			0.007 ^		NT
Cranberries	156	0			0.005 ^		0.15
Cranberries, Frozen	25	0			0.005 ^		0.15

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cucumbers	754	1	0.1	0.007 ^	0.005 ^		0.50
Grapefruit	704	0			0.003 - 0.010		NT
Green Beans	567	0			0.005 ^		0.30
Lettuce	756	0			0.001 ^		1.5
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		0.20
Spinach	707	0			0.001 - 0.010		0.50
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.010 ^		0.20
Tomatoes	528	0			0.001 ^		0.10
Tomatoes, Canned	189	0			0.001 ^		0.10
TOTAL	**7,948**	**1**					
Metolcarb (insecticide, acaricide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Metrafenone (fungicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Metribuzin (herbicide)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.016 ^		NT
Cherries, Frozen	144	0			0.016 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 ^		NT
Green Beans	567	0			0.002 ^		NT
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Potatoes	708	6	0.8	0.003 - 0.008	0.002 ^		0.6
Spinach	707	1	0.1	0.037 ^	0.002 - 0.020	V - 1	NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.020 ^		NT
Tomatoes	528	0			0.002 ^		0.1
Tomatoes, Canned	189	0			0.002 ^		0.1
TOTAL	**6,486**	**7**					
Metsulfuron methyl (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Mevinphos (insecticide)							
Cherries	30	0			0.006 ^		NT
Cherries, Frozen	144	0			0.006 ^		NT
Cranberries	156	0			0.010 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.002 - 0.003		NT
Green Beans	567	0			0.002 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	707	0			0.002 - 0.010		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.002 - 0.005		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**5,763**	**0**					
MGK-264 (insecticide)							
Apples	531	0			0.10 ^		5
Applesauce	190	0			0.10 ^		5
Cherries	30	0			0.030 ^		5
Cherries, Frozen	144	0			0.030 ^		5
Cranberries	156	0			0.025 ^		5
Cranberries, Frozen	25	0			0.025 ^		5
Grapefruit	704	0			0.005 ^		5
Grapes	708	0			0.001 ^		5
Green Beans	567	0			0.020 ^		5
Lettuce	756	0			0.10 ^		5
Olives, Canned	189	0			0.005 ^		5
Pears	707	0			0.001 ^		5
Potatoes	708	0			0.002 ^		5
Spinach	707	0			0.002 - 0.030		5
Strawberries	530	0			0.005 ^		5
Sweet Potatoes	532	0			0.030 ^		5
Tomatoes	528	0			0.002 ^		5
Tomatoes, Canned	189	0			0.002 ^		5
TOTAL	**7,901**	**0**					
Monocrotophos (insecticide)							
Cherries	30	0			0.017 ^		NT
Cherries, Frozen	144	1	0.7	0.037 ^	0.017 ^	V - 1	NT
Cucumbers	754	1	0.1	0.081 ^	0.010 ^	V - 1	NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		NT
Spinach	349	0			0.020 ^		NT
Strawberries	530	2	0.4	0.003 - 0.18	0.003 ^	V - 2	NT
Sweet Potatoes	532	0			0.020 ^		NT
TOTAL	**3,594**	**4**					
Monolinuron (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Myclobutanil (fungicide)							
Apples	531	10	1.9	0.004 - 0.017	0.003 ^		0.5
Applesauce	190	1	0.5	0.004 ^	0.003 ^		0.5

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cherries	30	0			0.001 - 0.002		5.0
Cherries, Frozen	144	18	12.5	0.001 - 0.061	0.001 - 0.002		5.0
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	31	4.1	0.005 - 0.067	0.005 ^		0.20
Grapefruit	704	0			0.003 - 0.010		NT
Grapes	708	165	23.3	0.017 - 1.8	0.010 ^	X - 1	1.0
Green Beans	567	19	3.4	0.006 - 0.11	0.005 ^		1.0
Lettuce	756	17	2.2	0.003 - 0.43	0.003 ^		9.0
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.010 ^		NT
Potatoes	708	0			0.001 - 0.003		0.03
Spinach	707	0			0.001 - 0.003		0.03
Strawberries	530	139	26.2	0.003 - 0.55	0.003 ^	X - 2	0.50
Sweet Potatoes	532	0			0.001 ^		0.03
Tomatoes	528	22	4.2	0.002 - 0.013	0.001 - 0.003		0.30
Tomatoes, Canned	189	1	0.5	0.002 ^	0.001 ^		0.30
TOTAL	**9,363**	**423**					
Naled (insecticide)							
Apples	531	0			0.020 ^		0.5
Applesauce	190	0			0.020 ^		0.5
Grapes	708	0			0.025 ^		0.5
Lettuce	756	0			0.020 ^		0.5
Pears	707	0			0.025 ^		0.5
TOTAL	**2,892**	**0**					
1-Naphthol (metabolite of Carbaryl)							
Apples	442	3	0.7	0.031 - 0.54	0.015 ^		12
Applesauce	190	1	0.5	0.034 ^	0.015 ^		12
Cranberries	156	7	4.5	0.010 - 0.021	0.010 ^		3.0
Cranberries, Frozen	25	0			0.010 ^		3.0
Grapefruit	346	0			0.010 ^		10
Grapes	708	0			0.050 ^		10
Green Beans	408	5	1.2	0.013 - 4.4	0.006 ^		10
Lettuce	126	0			0.015 ^		10
Pears	707	0			0.050 ^		12
TOTAL	**3,108**	**16**					
Napropamide (herbicide)							
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cranberries	156	0			0.001 ^		0.1
Cranberries, Frozen	25	0			0.001 ^		0.1
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.005 ^		NT
Grapes	708	0			0.002 ^		0.1
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		NT
Pears	707	0			0.002 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.020		NT
Strawberries	530	0			0.005 ^		0.1
Sweet Potatoes	532	0			0.020 ^		0.1

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tomatoes	508	0			0.002 ^		0.1
Tomatoes, Canned	189	0			0.002 ^		0.1
TOTAL	**6,953**	**0**					
Nicosulfuron (herbicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.001 - 0.005		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,604**	**0**					
Nitrapyrin (nitrification inhibitor)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.020		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,604**	**0**					
Nitrofen (herbicide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Norflurazon (herbicide)							
Apples	531	0			0.002 ^		0.1
Applesauce	190	0			0.002 ^		0.1
Cherries	30	0			0.005 ^		0.1
Cherries, Frozen	144	0			0.005 ^		0.1
Cranberries	156	0			0.010 ^		0.1
Cranberries, Frozen	25	0			0.010 ^		0.1
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.003 - 0.005		0.2
Grapes	708	0			0.010 ^		0.1
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		0.2
Pears	707	1	0.1	0.017 ^	0.010 ^		0.1
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.005		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**8,796**	**1**					
Norflurazon desmethyl (metabolite of Norflurazon)							
Apples	531	0			0.005 ^		0.1
Applesauce	190	0			0.005 ^		0.1
Cherries	30	0			0.010 ^		0.1
Cherries, Frozen	144	0			0.010 ^		0.1
Cranberries	156	0			0.005 ^		0.1
Cranberries, Frozen	25	0			0.005 ^		0.1
Cucumbers	754	0			0.010 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.001 - 0.003		0.2
Grapes	708	0			0.020 ^		0.1
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	1	0.1	0.015 ^	0.010 ^		0.2
Potatoes	708	2	0.3	0.002 ^	0.001 ^	V - 2	NT
Spinach	707	0			0.001 - 0.010		NT
Strawberries	530	1	0.2	0.003 ^	0.003 ^	V - 1	NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**8,089**	**4**					
Novaluron (insecticide)							
Cherries	30	0			0.010 ^		8.0
Cherries, Frozen	144	0			0.010 ^		8.0
Cranberries	156	0			0.005 ^		7.0
Cranberries, Frozen	25	0			0.005 ^		7.0
Cucumbers	754	0			0.010 ^		0.20
Grapefruit	704	0			0.020 - 0.050		0.01
Grapes	708	0			0.007 ^		0.01
Green Beans	567	4	0.7	0.064 - 0.12	0.050 ^		0.70
Olives, Canned	189	0			0.020 ^		0.01
Oranges	708	0			0.010 ^		0.01
Pears	707	41	5.8	0.012 - 0.13	0.007 ^		3.0
Potatoes	708	0			0.001 - 0.003		0.05
Spinach	707	3	0.4	0.002 ^	0.001 - 0.010		0.01
Strawberries	530	147	27.7	0.020 - 0.28	0.020 ^		0.45
Sweet Potatoes	532	0			0.010 ^		0.05
Tomatoes	528	5	0.9	0.005 - 0.022	0.003 ^		1.0
Tomatoes, Canned	189	0			0.003 ^		1.0
TOTAL	**7,886**	**200**					
Omethoate (insecticide) (also a metabolite of Dimethoate)							
Apples	531	0			0.020 ^		NT
Applesauce	190	0			0.020 ^		NT
Cherries	30	0			0.010 ^		2.0
Cherries, Frozen	144	8	5.6	0.010 - 0.053	0.010 ^		2.0
Cranberries	156	0			0.015 ^		NT
Cranberries, Frozen	25	0			0.015 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.006		2.0
Grapes	708	0			0.025 ^		NT
Green Beans	567	25	4.4	0.006 - 0.19	0.006 ^		2.0
Lettuce	756	1	0.1	0.037 ^	0.020 ^		2.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		2.0
Pears	707	0			0.025 ^		2.0
Potatoes	708	0			0.002 ^		0.2
Spinach	707	12	1.7	0.004 - 0.021	0.002 - 0.010	V - 12	NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	4	0.8	0.004 ^	0.002 ^		2.0
Tomatoes, Canned	189	0			0.002 ^		2.0
TOTAL	**9,363**	**50**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Oryzalin (herbicide)							
Apples	531	0			0.020 ^		0.05
Applesauce	190	0			0.020 ^		0.05
Cherries	30	0			0.099 ^		0.05
Cherries, Frozen	144	0			0.099 ^		0.05
Cranberries	156	0			0.20 ^		0.05
Cranberries, Frozen	25	0			0.20 ^		0.05
Cucumbers	754	0			0.020 ^		NT
Grapefruit	704	0			0.020 - 0.10		0.05
Grapes	708	0			0.025 ^		0.05
Lettuce	756	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		0.05
Oranges	708	0			0.020 ^		0.05
Pears	707	0			0.025 ^		0.05
Spinach	349	0			0.10 ^		NT
Strawberries	530	0			0.020 ^		0.05
Sweet Potatoes	532	0			0.10 ^		NT
TOTAL	**7,013**	**0**					
Oxadiazon (herbicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Grapefruit	358	0			0.003 ^		NT
Lettuce	725	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**2,523**	**0**					
Oxadixyl (fungicide)							
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	0			0.003 ^		NT
Spinach	358	0			0.003 ^		NT
Strawberries	530	0			0.005 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**4,322**	**0**					
Oxamyl (insecticide)							
Apples	531	0			0.003 ^		2
Applesauce	190	0			0.003 ^		2
Cherries	30	0			0.004 ^		NT
Cherries, Frozen	144	0			0.004 ^		NT
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Cucumbers	754	3	0.4	0.013 - 0.028	0.010 ^		2.0
Grapefruit	704	0			0.002 - 0.005		3
Green Beans	567	1	0.2	0.005 ^	0.002 ^	V - 1	NT
Lettuce	756	1	0.1	0.017 ^	0.003 ^	V - 1	NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		3
Pears	707	0			0.016 ^		2.0
Potatoes	708	0			0.002 - 0.006		0.1

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Spinach	707	0			0.005 - 0.006		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.005 ^		0.1
Tomatoes	528	1	0.2	0.014 ^	0.002 ^		2
Tomatoes, Canned	189	0			0.002 ^		2
TOTAL	**8,655**	**6**					
Oxamyl oxime (metabolite of Oxamyl)							
Apples	531	0			0.006 ^		2
Applesauce	190	0			0.006 ^		2
Cherries	30	0			0.040 ^		NT
Cherries, Frozen	144	0			0.040 ^		NT
Cranberries	156	0			0.050 ^		NT
Cranberries, Frozen	25	0			0.050 ^		NT
Cucumbers	754	23	3.1	0.010 - 0.12	0.010 ^		2.0
Grapefruit	704	0			0.005 - 0.050		3
Green Beans	567	0			0.050 ^		NT
Lettuce	756	1	0.1	0.006 ^	0.006 ^	V - 1	NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		3
Spinach	349	0			0.040 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.040 ^		0.1
TOTAL	**6,165**	**24**					
Oxydemeton methyl (insecticide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Cranberries	58	0			0.025 ^		NT
Cranberries, Frozen	14	0			0.025 ^		NT
Cucumbers	754	0			0.010 ^		1.0
Grapefruit	704	0			0.001 - 0.050		1.0
Green Beans	567	0			0.002 ^		NT
Lettuce	756	6	0.8	0.003 - 0.012	0.002 ^		2.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		1.0
Spinach	349	0			0.005 ^		NT
Strawberries	530	1	0.2	0.004 ^	0.001 ^		2.0
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**6,056**	**7**					
Oxydemeton methyl sulfone (metabolite of Oxydemeton methyl)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	0			0.010 ^		1.0
Grapefruit	704	0			0.001 - 0.002		1.0
Green Beans	567	0			0.001 ^		NT
Lettuce	756	0			0.002 ^		2.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		1.0
Strawberries	530	0			0.001 ^		2.0
TOTAL	**5,110**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Oxyfluorfen (herbicide)							
Apples	531	0			0.050 ^		0.05
Applesauce	190	0			0.050 ^		0.05
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.020 ^		NT
Grapes	708	0			0.006 ^		0.05
Lettuce	756	0			0.050 ^		NT
Olives, Canned	189	0			0.020 ^		0.05
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.006 ^		0.05
Potatoes	708	0			0.001 - 0.003		NT
Spinach	358	14	3.9	0.002 - 0.004	0.001 ^	V - 14	NT
Strawberries	530	0			0.020 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**7,214**	**14**					
Paclobutrazol (plant growth regulator)							
Cherries	30	0			0.007 ^		NT
Cherries, Frozen	144	0			0.007 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**3,594**	**0**					
Parathion (insecticide)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.059 ^		NT
Cherries, Frozen	144	0			0.059 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.003 ^		NT
Spinach	707	0			0.003 - 0.060		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.060 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**6,854**	**0**					
Parathion methyl (insecticide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.016 ^		NT
Cherries, Frozen	144	0			0.016 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.005 - 0.020		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.015 ^		NT
Potatoes	708	0			0.002 ^		0.1
Spinach	707	0			0.002 - 0.020		NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	532	0			0.020 ^		0.1
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**8,088**	**0**					
Parathion methyl oxygen analog (metabolite of Parathion methyl)							
Apples	531	0			0.020 ^		NT
Applesauce	190	0			0.020 ^		NT
Grapefruit	704	0			0.005 - 0.010		NT
Lettuce	756	0			0.020 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		0.1
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**4,683**	**0**					
Parathion oxygen analog (metabolite of Parathion)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Potatoes	708	0			0.003 ^		NT
Spinach	358	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**2,860**	**0**					
Pebulate (herbicide)							
Cucumbers	754	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
TOTAL	**1,462**	**0**					
Penconazole (fungicide)							
Cherries	30	0			0.006 ^		NT
Cherries, Frozen	144	0			0.006 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Grapes	708	4	0.6	0.007 - 0.037	0.004 ^	V - 4	NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**4,302**	**4**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Pencycuron (fungicide)							
Cherries	30	0			0.003 ^		NT
Cherries, Frozen	144	0			0.003 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**3,594**	**0**					
Pendimethalin (herbicide)							
Apples	531	0			0.050 ^		0.1
Applesauce	190	0			0.050 ^		0.1
Cherries	30	0			0.032 ^		0.1
Cherries, Frozen	144	0			0.032 ^		0.1
Cranberries	156	0			0.005 ^		0.1
Cranberries, Frozen	25	0			0.005 ^		0.1
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.010 - 0.045		0.1
Grapes	708	0			0.005 ^		0.1
Green Beans	567	0			0.040 ^		0.10
Lettuce	756	0			0.050 ^		4.0
Olives, Canned	189	0			0.010 ^		0.1
Oranges	708	0			0.005 ^		0.1
Pears	707	0			0.005 ^		0.1
Potatoes	708	10	1.4	0.002 - 0.007	0.001 ^		0.1
Spinach	707	18	2.5	0.002 - 0.011	0.001 - 0.035	V - 18	NT
Strawberries	530	0			0.010 ^		0.1
Sweet Potatoes	532	0			0.035 ^		NT
Tomatoes	528	0			0.001 ^		0.1
Tomatoes, Canned	189	2	1.1	0.002 ^	0.001 ^		0.1
TOTAL	**9,363**	**30**					
Penflufen (fungicide)							
Cranberries	156	0			0.001 ^		NT
Cranberries, Frozen	25	0			0.001 ^		NT
Grapefruit	704	0			0.001 ^		NT
Green Beans	567	0			0.001 ^		0.01
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**2,171**	**0**					
Penoxsulam (herbicide)							
Cucumbers	754	0			0.010 ^		NT
Grapefruit	90	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		0.01
Oranges	708	0			0.010 ^		NT
TOTAL	**1,741**	**0**					
Pentachloroaniline - PCA (metabolite of Quintozene)							
Apples	531	0			0.004 ^		NT
Applesauce	190	0			0.004 ^		NT
Cranberries	156	0			0.005 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.003 - 0.060		NT
Green Beans	567	0			0.060 ^		0.1
Lettuce	756	0			0.004 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	31	4.4	0.002 - 0.009	0.001 ^		0.1
Spinach	707	4	0.6	0.002 - 0.005	0.001 - 0.005	V - 4	NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.005 - 0.010		NT
Tomatoes	528	0			0.001 ^		0.1
Tomatoes, Canned	189	0			0.001 ^		0.1
TOTAL	**7,774**	**35**					
Pentachlorobenzene - PCB (metabolite of Quintozene)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.015		NT
Green Beans	474	0			0.015 ^		0.1
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	689	0			0.010 ^		0.1
Spinach	707	0			0.001 - 0.010		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.001 ^		NT
Tomatoes	509	0			0.003 - 0.010		0.1
Tomatoes, Canned	189	0			0.003 - 0.010		0.1
TOTAL	**7,643**	**0**					
Pentachlorophenyl methyl sulfide (metabolite of Quintozene)							
Cranberries	156	0			0.015 ^		NT
Cranberries, Frozen	25	0			0.015 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.020 - 0.025		NT
Green Beans	567	0			0.025 ^		0.1
Olives, Canned	189	0			0.020 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	692	0			0.001 - 0.005		NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**4,857**	**0**					
Penthiopyrad (fungicide)							
Cranberries	156	0			0.001 ^		3.0
Cranberries, Frozen	25	0			0.001 ^		3.0
Cucumbers	754	0			0.010 ^		0.60
Grapefruit	704	0			0.001 ^		NT
Green Beans	567	38	6.7	0.001 - 0.25	0.001 ^		4.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Pears	707	1	0.1	0.003 ^	0.002 ^		0.50
Potatoes	708	8	1.1	0.003 - 0.009	0.002 ^		0.06
Spinach	358	14	3.9	0.003 - 3.3	0.002 ^		30
Strawberries	530	147	27.7	0.001 - 0.74	0.001 ^		3.0
Tomatoes	528	39	7.4	0.003 - 0.24	0.002 ^		3.0
Tomatoes, Canned	189	7	3.7	0.003 - 0.009	0.002 ^		3.0
TOTAL	**6,123**	**254**					
Permethrin Total (insecticide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	4	0.5	0.008 - 0.013	0.005 ^		1.5
Grapefruit	346	0			0.010 ^		NT
Grapes	708	1	0.1	0.010 ^	0.006 ^	V - 1	NT
Green Beans	567	1	0.2	0.097 ^	0.040 ^	V - 1	NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.006 ^		0.05
TOTAL	**3,971**	**6**					
Permethrin cis (isomer of Permethrin)							
Apples	531	0			0.010 ^		0.05
Applesauce	190	0			0.010 ^		0.05
Cherries	30	0			0.020 ^		4.0
Cherries, Frozen	144	8	5.6	0.020 - 0.059	0.020 ^		4.0
Grapefruit	358	0			0.010 ^		NT
Lettuce	756	61	8.1	0.010 - 0.74	0.010 ^		20
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	1	0.1	0.002 ^	0.001 ^		0.05
Spinach	707	493	69.7	0.002 - 4.3	0.001 - 0.020		20
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	4	0.8	0.020 - 0.19	0.020 ^	V - 4	NT
Tomatoes	528	8	1.5	0.002 - 0.030	0.001 ^		2.0
Tomatoes, Canned	189	2	1.1	0.002 - 0.005	0.001 ^		2.0
TOTAL	**5,392**	**577**					
Permethrin trans (isomer of Permethrin)							
Apples	531	0			0.010 ^		0.05
Applesauce	190	0			0.010 ^		0.05
Cherries	30	0			0.010 ^		4.0
Cherries, Frozen	144	10	6.9	0.013 - 0.086	0.010 ^		4.0
Grapefruit	358	0			0.010 ^		NT
Lettuce	756	62	8.2	0.010 - 0.92	0.010 ^		20
Olives, Canned	189	0			0.010 ^		NT
Potatoes	708	1	0.1	0.002 ^	0.001 ^		0.05
Spinach	707	502	71	0.002 - 5.9	0.001 - 0.010		20
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	7	1.3	0.013 - 0.28	0.010 ^	V - 7	NT
Tomatoes	528	9	1.7	0.002 - 0.041	0.001 ^		2.0
Tomatoes, Canned	189	2	1.1	0.002 - 0.005	0.001 ^		2.0
TOTAL	**5,392**	**593**					
Phenothrin (insecticide)							
Apples	531	0			0.050 ^		0.01
Applesauce	190	0			0.050 ^		0.01
Cherries	30	0			0.15 ^		0.01

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cherries, Frozen	144	0			0.15 ^		0.01
Cranberries	156	0			0.025 ^		0.01
Cranberries, Frozen	25	0			0.025 ^		0.01
Cucumbers	754	0			0.005 ^		0.01
Grapefruit	704	0			0.005 ^		0.01
Grapes	708	0			0.005 ^		0.01
Green Beans	567	0			0.030 ^		0.01
Lettuce	756	0			0.050 ^		0.01
Olives, Canned	189	0			0.005 ^		0.01
Oranges	708	0			0.005 ^		0.01
Pears	707	0			0.005 ^		0.01
Potatoes	708	0			0.002 ^		0.01
Spinach	707	0			0.002 - 0.15		0.01
Strawberries	530	0			0.005 ^		0.01
Sweet Potatoes	532	0			0.15 ^		0.01
Tomatoes	528	0			0.002 ^		0.01
Tomatoes, Canned	189	0			0.002 ^		0.01
TOTAL	**9,363**	**0**					
Phenthoate (insecticide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**2,860**	**0**					
o-Phenylphenol (fungicide)							
Apples	531	2	0.4	0.013 - 0.024	0.005 ^		25
Applesauce	190	0			0.005 ^		25
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	704	2	0.3	0.006 - 0.012	0.005 - 0.010		10
Lettuce	756	0			0.005 ^		NT
Pears	707	142	20.1	0.003 - 20	0.002 ^		25.0
Tomatoes	528	4	0.8	0.002 - 0.007	0.001 ^		10
Tomatoes, Canned	189	0			0.001 ^		10
TOTAL	**3,786**	**150**					
Phorate (insecticide)							
Cherries	30	0			0.17 ^		NT
Cherries, Frozen	144	0			0.17 ^		NT
Cranberries	156	0			0.030 ^		NT
Cranberries, Frozen	25	0			0.030 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	675	0			0.020 - 0.060		NT
Green Beans	567	0			0.060 ^		0.05
Olives, Canned	189	0			0.020 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 - 0.006		0.2
Spinach	707	0			0.002 - 0.17		NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	532	0			0.17 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**6,442**	**0**					
Phorate oxygen analog (metabolite of Phorate)							
Grapefruit	704	0			0.002 - 0.005		NT
Green Beans	567	0			0.001 ^		0.05
Olives, Canned	189	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		0.2
Spinach	358	0			0.001 ^		NT
Strawberries	530	0			0.005 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**3,773**	**0**					
Phorate oxygen analog sulfone (metabolite of Phorate)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.004		NT
Green Beans	567	0			0.002 ^		0.05
Olives, Canned	189	0			0.001 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**3,226**	**0**					
Phorate oxygen analog sulfoxide (metabolite of Phorate)							
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.004		NT
Green Beans	567	0			0.002 ^		0.05
Olives, Canned	189	0			0.001 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**3,226**	**0**					
Phorate sulfone (metabolite of Phorate)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.030 ^		NT
Cherries, Frozen	144	0			0.030 ^		NT
Cranberries	156	0			0.025 ^		NT
Cranberries, Frozen	25	0			0.025 ^		NT
Cucumbers	734	0			0.020 - 0.050		NT
Grapefruit	704	0			0.003 - 0.005		NT
Green Beans	567	0			0.005 ^		0.05
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	689	0			0.020 ^		NT
Potatoes	708	4	0.6	0.005 - 0.095	0.003 ^		0.2

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Spinach	707	0			0.003 - 0.030		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.030 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**7,909**	**4**					
Phorate sulfoxide (metabolite of Phorate)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.001 ^		NT
Green Beans	567	1	0.2	0.008 ^	0.001 ^		0.05
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	4	0.6	0.003 - 0.12	0.002 - 0.005		0.2
Spinach	707	0			0.002 - 0.010		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**7,948**	**5**					
Phosalone (insecticide)							
Apples	531	0			0.001 ^		10.0
Applesauce	190	0			0.001 ^		10.0
Cherries	30	0			0.013 ^		15.0
Cherries, Frozen	144	0			0.013 ^		15.0
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Grapes	708	0			0.003 ^		10.0
Lettuce	756	0			0.001 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.003 ^		10.0
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.015		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**8,269**	**0**					
Phosmet (insecticide)							
Apples	531	17	3.2	0.016 - 0.49	0.010 ^		10
Applesauce	190	1	0.5	0.014 ^	0.010 ^		10
Cherries	30	0			0.025 ^		10
Cherries, Frozen	144	0			0.025 ^		10
Cranberries	156	0			0.010 ^		10
Cranberries, Frozen	25	0			0.010 ^		10

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.001 - 0.010		5
Grapes	708	0			0.015 ^		10
Green Beans	567	0			0.010 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		5
Pears	707	12	1.7	0.025 - 0.33	0.015 ^		10
Spinach	349	0			0.025 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	8	1.5	0.025 - 0.41	0.025 ^		12
TOTAL	**7,580**	**38**					
Phosmet oxygen analog (metabolite of Phosmet)							
Apples	531	0			0.004 ^		10
Applesauce	190	0			0.004 ^		10
Cherries	30	0			0.006 ^		10
Cherries, Frozen	144	0			0.006 ^		10
Cranberries	156	0			0.005 ^		10
Cranberries, Frozen	25	0			0.005 ^		10
Grapefruit	704	0			0.001 ^		5
Grapes	708	0			0.002 ^		10
Green Beans	567	0			0.001 ^		NT
Lettuce	756	0			0.004 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Pears	707	5	0.7	0.003 - 0.079	0.002 ^		10
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		12
TOTAL	**6,118**	**5**					
Phosphamidon (insecticide)							
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	0			0.003 ^		NT
Spinach	358	0			0.003 ^		NT
Strawberries	530	0			0.005 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**4,322**	**0**					
Phoxim (insecticide)							
Cherries	30	0			0.024 ^		NT
Cherries, Frozen	144	0			0.024 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Spinach	349	0			0.025 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.025 ^		NT
TOTAL	**2,132**	**0**					
Picoxystrobin (fungicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,604**	**0**					
Pinoxaden (herbicide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Piperonyl butoxide (insecticide)							
Apples	531	1	0.2	0.052 ^	0.005 ^		10
Applesauce	190	0			0.005 ^		10
Cherries	30	0			0.013 ^		10
Cherries, Frozen	144	0			0.013 ^		10
Cranberries	156	0			0.025 ^		10
Cranberries, Frozen	25	0			0.025 ^		10
Cucumbers	754	0			0.005 ^		10
Grapefruit	704	0			0.010 - 0.025		10
Grapes	708	0			0.005 ^		10
Green Beans	567	0			0.030 ^		10
Lettuce	756	0			0.005 ^		10
Olives, Canned	189	0			0.010 ^		10
Oranges	708	0			0.005 ^		10
Pears	707	0			0.005 ^		10
Potatoes	708	0			0.003 ^		10
Spinach	707	0			0.005 - 0.015		10
Strawberries	530	10	1.9	0.018 - 1.1	0.010 ^		10
Sweet Potatoes	532	53	10	0.015 - 18	0.015 ^	X - 1	10
Tomatoes	528	5	0.9	0.016 - 0.32	0.003 ^		10
Tomatoes, Canned	189	0			0.003 ^		10
TOTAL	**9,363**	**69**					
Pirimicarb (insecticide)							
Cherries	30	0			0.002 ^		NT
Cherries, Frozen	144	1	0.7	0.011 ^	0.002 ^	V - 1	NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.005		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**5,377**	**1**					
Pirimicarb desmethyl (metabolite of Pirimicarb)							
Cherries	30	0			0.001 ^		NT
Cherries, Frozen	144	0			0.001 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Oranges	708	0			0.010 ^		NT
Spinach	349	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.001 ^		NT
TOTAL	**3,594**	**0**					
Pirimiphos ethyl (insecticide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Pirimiphos methyl (insecticide)							
Apples	531	0			0.001 ^		NT
Applesauce	190	0			0.001 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.001 ^		NT
Lettuce	756	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**6,331**	**0**					
Prallethrin (insecticide)							
Apples	472	0			0.010 ^		1.0
Applesauce	190	0			0.010 ^		1.0
Cherries	30	0			0.10 ^		1.0
Cherries, Frozen	144	0			0.10 ^		1.0
Cranberries	156	0			0.030 ^		1.0
Cranberries, Frozen	25	0			0.030 ^		1.0
Grapefruit	704	0			0.020 - 0.10		1.0
Grapes	708	0			0.030 ^		1.0
Green Beans	567	0			0.20 ^		1.0
Lettuce	126	0			0.010 ^		1.0
Olives, Canned	189	0			0.020 ^		1.0
Pears	707	0			0.030 ^		1.0
Spinach	349	0			0.10 ^		1.0
Strawberries	530	0			0.020 ^		1.0
Sweet Potatoes	532	0			0.10 ^		1.0
TOTAL	**5,429**	**0**					
Primisulfuron methyl (herbicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Prochloraz (fungicide)							
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Oranges	708	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**2,539**	**0**					
Procymidone (fungicide)							
Apples	472	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Grapes	708	0			0.020 ^		5.0
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**5,720**	**0**					
Profenofos (insecticide)							
Apples	531	0			0.075 ^		NT
Applesauce	190	0			0.075 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.005 ^		NT
Grapes	708	0			0.005 ^		NT
Lettuce	756	0			0.075 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.005		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**7,915**	**0**					
Profluralin (herbicide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Profoxydim (herbicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Promecarb (insecticide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Prometryn (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	14	3.9	0.002 - 0.007	0.001 ^	V - 14	NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**2,860**	**14**					
Pronamide (herbicide)							
Apples	531	0			0.002 ^		0.1
Applesauce	190	0			0.002 ^		0.1
Cherries	30	0			0.012 ^		0.1
Cherries, Frozen	144	0			0.012 ^		0.1
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.003 - 0.050		NT
Grapes	708	0			0.003 ^		0.1
Green Beans	567	0			0.005 ^		NT
Lettuce	756	13	1.7	0.002 - 0.009	0.002 ^		1.0
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.003 ^		0.1
Potatoes	708	0			0.001 ^		NT
Spinach	707	2	0.3	0.002 ^	0.001 - 0.015	V - 2	NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**9,363**	**15**					
Propachlor (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**2,860**	**0**					
Propamocarb (fungicide)							
Cucumbers	189	83	43.9	0.010 - 0.58	0.010 ^		1.5
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	216	0			0.010 ^		NT
Strawberries	530	2	0.4	0.002 - 0.006	0.001 ^	V - 2	NT
TOTAL	**1,482**	**85**					
Propamocarb hydrochloride [5] (fungicide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cranberries	156	0			0.001 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cranberries, Frozen	25	0			0.001 ^		NT
Cucumbers	565	277	49	0.011 - 0.78	0.010 ^		1.5
Grapefruit	346	0			0.001 ^		NT
Green Beans	567	13	2.3	0.001 - 0.14	0.001 ^	V - 13	NT
Lettuce	756	143	18.9	0.002 - 30	0.002 ^		90
Oranges	492	0			0.010 ^		NT
Spinach	349	2	0.6	0.009 - 0.042	0.001 - 0.005	V - 2	NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**4,509**	**435**					
Propanil (herbicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Propaquizafop (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Propargite (insecticide)							
Apples	531	0			0.050 ^		NT
Applesauce	190	0			0.050 ^		NT
Cherries	30	0			0.036 ^		NT
Cherries, Frozen	144	0			0.036 ^		NT
Cranberries	156	0			0.025 ^		NT
Cranberries, Frozen	25	0			0.025 ^		NT
Cucumbers	754	0			0.020 ^		NT
Grapefruit	704	0			0.001 - 0.010		5.0
Grapes	708	0			0.005 ^		10.0
Lettuce	756	0			0.050 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.020 ^		10.0
Potatoes	708	0			0.006 ^		0.1
Spinach	707	0			0.006 - 0.040		NT
Strawberries	530	2	0.4	0.076 - 0.089	0.001 ^	V - 2	NT
Sweet Potatoes	532	0			0.040 ^		NT
Tomatoes	528	0			0.006 ^		NT
Tomatoes, Canned	189	0			0.006 ^		NT
TOTAL	**8,089**	**2**					
Propetamphos (insecticide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.005 ^		NT
Grapes	708	0			0.010 ^		NT
Green Beans	567	0			0.10 ^		0.1
Lettuce	756	0			0.010 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		NT
Pears	707	0			0.010 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.010		NT
Strawberries	530	0			0.005 ^		0.1
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**9,363**	**0**					
Propham (herbicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Propiconazole (fungicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.018 ^		4.0
Cherries, Frozen	144	11	7.6	0.019 - 0.083	0.018 ^		4.0
Cranberries	156	0			0.005 ^		1.0
Cranberries, Frozen	25	1	4	0.013 ^	0.005 ^		1.0
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	6	0.9	0.005 - 0.014	0.005 ^		8.0
Green Beans	567	2	0.4	0.006 - 0.012	0.005 ^		0.70
Lettuce	756	1	0.1	0.021 ^	0.010 ^	V - 1	NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	9	1.3	0.010 - 0.018	0.010 ^		8.0
Potatoes	708	0			0.008 ^		NT
Spinach	707	0			0.008 - 0.020		NT
Strawberries	530	36	6.8	0.005 - 0.16	0.005 ^		1.3
Sweet Potatoes	532	0			0.020 ^		NT
Tomatoes	528	0			0.008 ^		3.0
Tomatoes, Canned	189	0			0.008 ^		3.0
TOTAL	**7,948**	**66**					
Proquinazid (fungicide)							
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,077**	**0**					
Prosulfuron (herbicide)							
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.003		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,604**	**0**					
Prothioconazole (fungicide)							
Cranberries	156	0			0.10 ^		2.0
Cranberries, Frozen	25	0			0.10 ^		2.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	358	0			0.020 ^		NT
Green Beans	567	0			0.50 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,636**	**0**					
Prothiofos (insecticide)							
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.020 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.020 - 0.040		NT
TOTAL	**3,405**	**0**					
Pymetrozine (insecticide)							
Cherries	30	0			0.081 ^		NT
Cherries, Frozen	144	0			0.081 ^		NT
Cucumbers	754	2	0.3	0.010 - 0.033	0.010 ^		0.1
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	0			0.005 ^		0.02
Spinach	707	6	0.8	0.008 - 0.17	0.005 - 0.085		0.6
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.085 ^		0.02
Tomatoes	528	6	1.1	0.008 - 0.042	0.005 ^		0.2
Tomatoes, Canned	189	0			0.005 ^		0.2
TOTAL	**5,377**	**14**					
Pyraclostrobin (fungicide)							
Apples	531	109	20.5	0.003 - 0.12	0.003 ^		1.5
Applesauce	190	0			0.003 ^		1.5
Cherries	30	2	6.7	0.004 - 0.005	0.002 ^		2.5
Cherries, Frozen	144	62	43.1	0.002 - 0.18	0.002 ^		2.5
Cranberries	156	0			0.001 ^		4.0
Cranberries, Frozen	25	0			0.001 ^		4.0
Cucumbers	754	29	3.8	0.003 - 0.028	0.003 ^		0.5
Grapefruit	704	0			0.001 ^		2.0
Grapes	708	269	38	0.005 - 0.23	0.003 ^		2.0
Green Beans	567	99	17.5	0.001 - 0.54	0.001 ^		0.5
Lettuce	756	23	3	0.003 - 2.5	0.003 ^		29.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.003 ^		2.0
Pears	707	152	21.5	0.005 - 0.18	0.003 ^		1.5
Potatoes	708	1	0.1	0.002 ^	0.001 ^		0.04
Spinach	707	71	10	0.002 - 1.7	0.001 - 0.005		29.0
Strawberries	530	259	48.9	0.001 - 0.83	0.001 ^		1.2
Sweet Potatoes	532	0			0.005 ^		0.04
Tomatoes	528	129	24.4	0.002 - 0.068	0.001 ^		1.4
Tomatoes, Canned	189	0			0.001 ^		1.4
TOTAL	**9,363**	**1,205**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Pyraflufen (precursor to Pyraflufen ethyl)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Pyraflufen ethyl (herbicide)							
Apples	531	0			0.010 ^		0.01
Applesauce	190	0			0.010 ^		0.01
Grapefruit	358	0			0.001 ^		NT
Grapes	708	0			0.005 ^		0.01
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.001 ^		0.01
Pears	707	0			0.005 ^		0.01
Strawberries	530	0			0.001 ^		NT
TOTAL	**3,969**	**0**					
Pyrasulfotole (herbicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Pyrazon (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Pyrazophos (fungicide)							
Cherries	30	0			0.006 ^		NT
Cherries, Frozen	144	0			0.006 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Spinach	349	0			0.015 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**3,594**	**0**					
Pyrethrins (insecticide)							
Cherries	30	0			0.20 ^		1.0
Cherries, Frozen	144	0			0.20 ^		1.0
Spinach	349	0			0.20 ^		1.0
Sweet Potatoes	532	1	0.2	0.29 ^	0.20 ^		1.0
TOTAL	**1,055**	**1**					
Pyridaben (insecticide, acaricide)							
Apples	531	4	0.8	0.005 - 0.071	0.005 ^		0.75
Applesauce	190	0			0.005 ^		0.75
Cherries	30	0			0.001 ^		3.0
Cherries, Frozen	144	0			0.001 ^		3.0
Cranberries	156	0			0.005 ^		0.5
Cranberries, Frozen	25	0			0.005 ^		0.5

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cucumbers	754	0			0.005 ^		0.50
Grapefruit	704	0			0.001 - 0.005		0.9
Grapes	708	0			0.002 ^		2.0
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		0.9
Pears	707	43	6.1	0.003 - 0.10	0.002 ^		0.75
Spinach	349	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		2.5
Sweet Potatoes	532	0			0.001 ^		NT
TOTAL	**7,013**	**47**					
Pyridalyl (insecticide)							
Grapefruit	358	0			0.001 - 0.040		NT
Olives, Canned	189	0			0.040 ^		NT
Spinach	349	0			0.005 ^		20
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**1,958**	**0**					
Pyrimethanil (fungicide)							
Apples	531	180	33.9	0.053 - 6.2	0.050 ^		15
Applesauce	190	35	18.4	0.061 - 1.3	0.050 ^		15
Cherries	30	3	10	0.008 - 0.62	0.002 - 0.004		10
Cherries, Frozen	144	0			0.002 - 0.004		10
Cranberries	156	0			0.005 ^		8.0
Cranberries, Frozen	25	0			0.005 ^		8.0
Cucumbers	754	17	2.3	0.003 - 0.019	0.003 ^		1.5
Grapefruit	704	28	4	0.005 - 0.017	0.005 ^		10
Grapes	708	89	12.6	0.008 - 1.6	0.005 ^		5.0
Green Beans	567	2	0.4	0.004 - 0.32	0.001 ^	V - 2	NT
Lettuce	756	0			0.050 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	41	5.8	0.003 - 0.065	0.003 ^		10
Pears	707	371	52.5	0.008 - 7.1	0.005 ^		15
Potatoes	708	2	0.3	0.002 ^	0.001 ^		0.05
Spinach	707	1	0.1	0.002 ^	0.001 - 0.005	V - 1	NT
Strawberries	530	127	24	0.005 - 2.3	0.005 ^		3.0
Sweet Potatoes	532	0			0.005 ^		0.05
Tomatoes	528	74	14	0.002 - 0.13	0.001 ^		0.50
Tomatoes, Canned	189	0			0.001 ^		0.50
TOTAL	**9,363**	**970**					
Pyriproxyfen (insecticide, growth regulator)							
Apples	531	8	1.5	0.001 - 0.012	0.001 ^		0.20
Applesauce	190	0			0.001 ^		0.20
Cherries	30	0			0.002 ^		1.0
Cherries, Frozen	144	0			0.002 ^		1.0
Cranberries	156	0			0.001 ^		1.0
Cranberries, Frozen	25	0			0.001 ^		1.0
Cucumbers	754	0			0.005 ^		0.10
Grapefruit	704	0			0.001 - 0.005		0.50
Grapes	708	0			0.001 ^		2.5
Green Beans	567	4	0.7	0.001 - 0.010	0.001 ^		0.20
Lettuce	756	0			0.001 ^		3.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Olives, Canned	189	0			0.001 ^		1.0
Oranges	708	0			0.005 ^		0.50
Pears	707	21	3	0.002 - 0.011	0.001 ^		0.20
Potatoes	708	0			0.002 ^		0.15
Spinach	707	0			0.002 - 0.005		3.0
Strawberries	530	3	0.6	0.004 - 0.029	0.001 ^		0.30
Sweet Potatoes	532	0			0.005 ^		0.15
Tomatoes	528	44	8.3	0.004 - 0.024	0.002 ^		0.80
Tomatoes, Canned	189	0			0.002 ^		0.80
TOTAL	**9,363**	**80**					
Pyroxasulfone (herbicide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Quinalphos (insecticide)							
Cherries	30	0			0.003 - 0.006		NT
Cherries, Frozen	144	0			0.003 - 0.006		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**3,594**	**0**					
Quinoxyfen (fungicide)							
Apples	531	0			0.020 ^		NT
Applesauce	190	0			0.020 ^		NT
Cranberries	156	0			0.001 ^		1.0
Cranberries, Frozen	25	0			0.001 ^		1.0
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Grapes	708	198	28	0.003 - 0.14	0.002 ^		2.0
Lettuce	756	6	0.8	0.023 - 0.39	0.020 ^		19
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	2	0.6	0.002 ^	0.001 ^	V - 2	NT
Strawberries	530	112	21.1	0.001 - 0.19	0.001 ^		1.0
Tomatoes	528	13	2.5	0.002 - 0.017	0.001 ^		1.7
Tomatoes, Canned	189	0			0.001 ^		1.7
TOTAL	**6,688**	**331**					
Quintozene - PCNB (fungicide) (parent of HCB, PCA, PCB and PCPMS)							
Cherries	30	0			0.021 ^		NT
Cherries, Frozen	144	0			0.021 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	1	0.1	0.005 ^	0.005 ^	V - 1	NT
Grapefruit	704	0			0.005 - 0.025		NT
Green Beans	567	0			0.025 ^		0.1

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	9	1.3	0.002 - 0.021	0.001 - 0.003		0.1
Spinach	707	1	0.1	0.002 ^	0.001 - 0.025	V - 1	NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.025 ^		NT
Tomatoes	528	0			0.001 ^		0.1
Tomatoes, Canned	189	0			0.001 ^		0.1
TOTAL	**6,471**	**11**					
Quizalofop (metabolite of Quizalofop ethyl)							
Grapefruit	358	0			0.050 ^		NT
Olives, Canned	189	0			0.050 ^		NT
Strawberries	530	0			0.050 ^		NT
TOTAL	**1,077**	**0**					
Quizalofop ethyl (herbicide)							
Cranberries	156	0			0.025 ^		NT
Cranberries, Frozen	25	0			0.025 ^		NT
Grapefruit	704	0			0.001 - 0.005		NT
Green Beans	567	0			0.35 ^		0.25
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**2,171**	**0**					
Resmethrin (insecticide)							
Cherries	30	0			0.028 ^		3.0
Cherries, Frozen	144	0			0.028 ^		3.0
Cucumbers	689	0			0.020 ^		3.0
Grapefruit	675	0			0.003 - 0.005		3.0
Grapes	708	0			0.002 ^		3.0
Green Beans	567	0			0.20 ^		3.0
Olives, Canned	189	0			0.003 ^		3.0
Oranges	708	0			0.020 ^		3.0
Pears	707	0			0.002 ^		3.0
Spinach	260	0			0.060 ^		3.0
Strawberries	530	0			0.003 ^		3.0
Sweet Potatoes	532	0			0.030 ^		3.0
TOTAL	**5,739**	**0**					
Resmethrin cis (isomer of Resmethrin)							
Apples	531	0			0.050 ^		3.0
Applesauce	190	0			0.050 ^		3.0
Lettuce	756	0			0.050 ^		3.0
Potatoes	708	0			0.002 ^		3.0
Spinach	328	0			0.008 ^		3.0
Tomatoes	528	0			0.002 ^		3.0
Tomatoes, Canned	189	0			0.002 ^		3.0
TOTAL	**3,230**	**0**					
Resmethrin trans (isomer of Resmethrin)							
Apples	531	0			0.050 ^		3.0
Applesauce	190	0			0.050 ^		3.0
Lettuce	756	0			0.050 ^		3.0
Potatoes	708	0			0.002 ^		3.0

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Spinach	343	0			0.002 - 0.008		3.0
Tomatoes	528	0			0.002 ^		3.0
Tomatoes, Canned	189	0			0.002 ^		3.0
TOTAL	**3,245**	**0**					
Rimsulfuron (herbicide)							
Cranberries	156	0			0.005 ^		0.01
Cranberries, Frozen	25	0			0.005 ^		0.01
Cucumbers	754	0			0.010 ^		NT
Grapefruit	646	0			0.003 - 0.005		0.01
Grapes	708	0			0.010 ^		0.01
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		0.01
Pears	707	0			0.010 ^		0.01
Strawberries	530	0			0.003 ^		NT
TOTAL	**4,423**	**0**					
Rotenone (insecticide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Saflufenacil (herbicide)							
Apples	531	0			0.010 ^		0.03
Applesauce	190	0			0.010 ^		0.03
Cranberries	156	0			0.020 ^		NT
Cranberries, Frozen	25	0			0.020 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.003 - 0.010		0.03
Grapes	708	0			0.010 ^		0.03
Green Beans	567	0			0.010 ^		0.03
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		0.03
Oranges	708	0			0.005 ^		0.03
Pears	707	0			0.010 ^		0.03
Strawberries	530	0			0.003 ^		NT
TOTAL	**6,525**	**0**					
Sedaxane (fungicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Sethoxydim (herbicide)							
Apples	531	0			0.003 ^		0.2
Applesauce	190	0			0.003 ^		0.2
Cherries	30	0			0.007 ^		0.2
Cherries, Frozen	144	0			0.007 ^		0.2
Cranberries	156	0			0.005 ^		4.0
Cranberries, Frozen	25	0			0.005 ^		4.0
Grapefruit	704	0			0.003 - 0.005		0.5
Grapes	708	0			0.001 ^		1.0
Green Beans	567	0			0.005 ^		15

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Lettuce	724	0			0.003 ^		4.0
Olives, Canned	189	0			0.003 ^		NT
Pears	707	0			0.001 ^		0.2
Spinach	29	0			0.015 ^		4.0
Strawberries	530	0			0.003 ^		10
Sweet Potatoes	532	0			0.010 ^		4.0
TOTAL	**5,766**	**0**					
Simazine (herbicide)							
Apples	531	0			0.005 ^		0.20
Applesauce	190	0			0.005 ^		0.20
Cherries	30	0			0.005 ^		0.25
Cherries, Frozen	144	0			0.005 ^		0.25
Cranberries	156	0			0.005 ^		0.25
Cranberries, Frozen	25	0			0.005 ^		0.25
Grapefruit	704	0			0.001 - 0.010		0.25
Grapes	708	0			0.004 ^		0.20
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.001 ^		0.20
Pears	707	0			0.004 ^		0.25
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.010		NT
Strawberries	530	0			0.001 ^		0.25
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**7,334**	**0**					
Spinetoram (insecticide)							
Apples	531	13	2.4	0.003 - 0.017	0.003 ^		0.20
Applesauce	190	0			0.003 ^		0.20
Cherries	30	0			0.005 ^		0.30
Cherries, Frozen	144	7	4.9	0.005 - 0.011	0.005 ^		0.30
Cranberries	156	5	3.2	0.001 - 0.002	0.001 ^		0.50
Cranberries, Frozen	25	0			0.001 ^		0.50
Cucumbers	754	0			0.010 ^		0.30
Grapefruit	704	0			0.001 - 0.010		0.30
Grapes	708	0			0.020 ^		0.50
Green Beans	567	12	2.1	0.001 - 0.010	0.001 ^		0.30
Lettuce	756	61	8.1	0.003 - 0.20	0.003 ^		8.0
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.010 ^		0.30
Pears	707	35	5	0.033 - 0.080	0.020 ^		0.20
Potatoes	708	1	0.1	0.002 ^	0.001 ^		0.10
Spinach	707	341	48.2	0.002 - 0.52	0.001 - 0.010		8.0
Strawberries	530	46	8.7	0.010 - 0.12	0.010 ^		0.90
Sweet Potatoes	532	0			0.010 ^		0.10
Tomatoes	528	0			0.001 ^		0.40
Tomatoes, Canned	189	0			0.001 ^		0.40
TOTAL	**9,363**	**521**					
Spinosad (insecticide) (total of spinosyns A and D)							
Cranberries	156	0			0.002 ^		0.40
Cranberries, Frozen	25	0			0.002 ^		0.40
Cucumbers	754	6	0.8	0.005 - 0.046	0.004 ^		0.3

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.002 - 0.003		0.30
Grapes	708	29	4.1	0.010 - 0.067	0.006 ^		0.50
Green Beans	567	2	0.4	0.004 - 0.024	0.002 ^		0.30
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.004 ^		0.30
Pears	707	5	0.7	0.010 - 0.063	0.006 ^		0.20
Potatoes	708	1	0.1	0.002 ^	0.001 ^		0.10
Spinach	358	65	18.2	0.002 - 0.82	0.001 ^		8.0
Strawberries	530	21	4	0.003 - 0.063	0.003 ^		0.90
Tomatoes	528	7	1.3	0.002 - 0.020	0.001 ^		0.40
Tomatoes, Canned	189	0			0.001 ^		0.40
TOTAL	**6,831**	**136**					
Spinosad A (isomer of Spinosad)							
Apples	531	3	0.6	0.004 - 0.008	0.003 ^		0.20
Applesauce	190	0			0.003 ^		0.20
Cherries	30	2	6.7	0.005 - 0.029	0.003 ^		0.20
Cherries, Frozen	144	33	22.9	0.003 - 0.037	0.003 ^		0.20
Lettuce	756	7	0.9	0.004 - 0.23	0.003 ^		8.0
Spinach	349	39	11.2	0.006 - 1.6	0.005 ^		8.0
Sweet Potatoes	532	0			0.005 ^		0.10
TOTAL	**2,532**	**84**					
Spinosad D (isomer of Spinosad)							
Cherries	30	1	3.3	0.004 ^	0.003 ^		0.20
Cherries, Frozen	144	11	7.6	0.004 - 0.007	0.003 ^		0.20
Spinach	349	26	7.4	0.005 - 0.44	0.005 ^		8.0
Sweet Potatoes	532	0			0.005 ^		0.10
TOTAL	**1,055**	**38**					
Spirodiclofen (acaricide)							
Apples	531	76	14.3	0.010 - 0.085	0.010 ^		0.80
Applesauce	190	0			0.010 ^		0.80
Cherries	30	0			0.006 ^		1.0
Cherries, Frozen	144	0			0.006 ^		1.0
Cranberries	126	0			0.005 ^		NT
Cranberries, Frozen	23	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	675	0			0.003 - 0.005		0.50
Grapes	708	18	2.5	0.008 - 0.16	0.005 ^		2.0
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.010 ^		0.50
Pears	707	81	11.5	0.008 - 0.13	0.005 ^		0.80
Spinach	349	0			0.010 - 0.050		NT
Strawberries	530	2	0.4	0.098 - 0.28	0.003 ^	V - 2	NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**6,952**	**177**					
Spiromesifen Total (parent + enol metabolite) (insecticide)							
Potatoes	708	0			0.008 ^		0.02
Spinach	358	0			0.002 ^		12
Tomatoes	527	20	3.8	0.004 - 0.10	0.002 - 0.008		0.45
Tomatoes, Canned	126	0			0.002 ^		0.45
TOTAL	**1,719**	**20**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Spiromesifen (insecticide)							
Apples	531	0			0.010 ^		NT
Applesauce	158	0			0.010 ^		NT
Cranberries	156	0			0.010 ^		2.0
Cranberries, Frozen	25	0			0.010 ^		2.0
Cucumbers	754	8	1.1	0.002 - 0.015	0.002 ^		0.10
Grapefruit	704	0			0.003 - 0.020		NT
Green Beans	567	0			0.020 ^		0.80
Lettuce	724	0			0.010 ^		12
Olives, Canned	189	0			0.003 ^		NT
Oranges	669	0			0.002 ^		NT
Strawberries	530	34	6.4	0.003 - 0.27	0.003 ^		2.0
TOTAL	**5,007**	**42**					
Spiromesifen alcohol (metabolite of Spiromesifen)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	69	13	0.001 - 0.16	0.001 ^		2.0
TOTAL	**1,077**	**69**					
Spirotetramat (insecticide)							
Apples	531	0			0.002 ^		0.70
Applesauce	190	0			0.002 ^		0.70
Cranberries	156	0			0.002 ^		3.0
Cranberries, Frozen	25	0			0.002 ^		3.0
Grapefruit	704	0			0.001 ^		0.60
Grapes	708	161	22.7	0.003 - 0.068	0.002 ^		1.3
Green Beans	567	0			0.001 ^		2.5
Lettuce	756	35	4.6	0.002 - 0.40	0.002 ^		9.0
Olives, Canned	189	0			0.001 ^		NT
Pears	707	143	20.2	0.003 - 0.031	0.002 ^		0.70
Potatoes	708	0			0.002 - 0.005		0.60
Spinach	358	11	3.1	0.003 - 0.087	0.002 - 0.005		9.0
Strawberries	530	4	0.8	0.015 - 0.11	0.001 ^		0.40
Sweet Potatoes	532	0			0.005 ^		0.60
TOTAL	**6,661**	**354**					
Spiroxamine (fungicide)							
Apples	472	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.003 ^		NT
Cherries, Frozen	144	0			0.003 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Grapes	708	18	2.5	0.002 - 0.010	0.001 ^		1.0
Lettuce	724	0			0.010 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Spinach	349	0			0.005 - 0.010		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**5,688**	**18**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Sulfallate (herbicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Sulfentrazone (herbicide)							
Cherries	30	0			0.035 - 0.070		NT
Cherries, Frozen	144	0			0.035 - 0.070		NT
Cranberries	156	0			0.015 ^		0.15
Cranberries, Frozen	25	0			0.015 ^		0.15
Grapefruit	704	0			0.010 - 0.015		0.15
Grapes	708	0			0.020 ^		0.15
Green Beans	567	0			0.015 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Spinach	349	0			0.035 ^		NT
Strawberries	530	0			0.010 ^		0.15
Sweet Potatoes	532	0			0.035 ^		0.15
TOTAL	**3,934**	**0**					
Sulfosulfuron (herbicide)							
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**719**	**0**					
Sulfoxaflor (insecticide)							
Cranberries	156	0			0.050 ^		0.70
Cranberries, Frozen	25	0			0.050 ^		0.70
Grapefruit	704	19	2.7	0.003 - 0.009	0.003 - 0.10		0.70
Olives, Canned	189	0			0.003 ^		NT
Potatoes	708	0			0.001 ^		0.05
Spinach	358	7	2	0.002 - 0.14	0.001 ^		6.0
Strawberries	530	1	0.2	0.023 ^	0.003 ^		0.70
Tomatoes	528	72	13.6	0.002 - 0.091	0.001 ^		0.70
Tomatoes, Canned	189	0			0.001 ^		0.70
TOTAL	**3,387**	**99**					
Sulprofos (insecticide)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.003 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**2,860**	**0**					
TCMTB (fungicide)							
Cranberries	156	0			0.10 ^		NT
Cranberries, Frozen	25	0			0.10 ^		NT
Grapefruit	675	0			0.005 - 0.010		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,575**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tebuconazole (fungicide)							
Apples	531	0			0.010 ^		0.05
Applesauce	190	0			0.010 ^		0.05
Cherries	30	28	93.3	0.060 - 1.9	0.012 ^		5.0
Cherries, Frozen	144	50	34.7	0.013 - 1.3	0.012 ^		5.0
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	9	1.2	0.006 - 0.049	0.005 ^		0.4
Grapefruit	704	0			0.005 ^		NT
Grapes	708	305	43.1	0.003 - 0.73	0.002 ^		5.0
Green Beans	567	40	7.1	0.001 - 0.080	0.001 ^		0.1
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	6	3.2	0.006 - 0.034	0.005 ^	V - 6	NT
Oranges	708	0			0.005 ^		1.0
Pears	707	1	0.1	0.007 ^	0.002 ^		0.05
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.006 - 0.015		NT
Strawberries	530	1	0.2	0.028 ^	0.005 ^	V - 1	NT
Sweet Potatoes	532	0			0.015 ^		NT
Tomatoes	528	7	1.3	0.003 - 0.058	0.002 ^		1.3
Tomatoes, Canned	189	0			0.002 ^		1.3
TOTAL	**9,363**	**447**					
Tebufenozide (insecticide)							
Apples	531	1	0.2	0.024 ^	0.002 ^		1.0
Applesauce	190	0			0.002 ^		1.0
Cherries	30	0			0.003 - 0.005		NT
Cherries, Frozen	144	0			0.003 - 0.005		NT
Cranberries	156	0			0.002 ^		1.0
Cranberries, Frozen	25	0			0.002 ^		1.0
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.020		0.80
Grapes	708	4	0.6	0.003 - 0.051	0.002 ^		3.0
Lettuce	756	0			0.002 ^		10.0
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		0.80
Pears	707	0			0.002 ^		1.5
Potatoes	708	0			0.003 ^		NT
Spinach	707	1	0.1	0.005 ^	0.003 - 0.005		10.0
Strawberries	530	0			0.005 ^		3.0
Sweet Potatoes	532	0			0.005 ^		0.015
Tomatoes	528	2	0.4	0.019 ^	0.003 ^		1.0
Tomatoes, Canned	189	0			0.003 ^		1.0
TOTAL	**8,796**	**8**					
Tebufenpyrad (insecticide, acaricide)							
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	1	0.7	0.007 ^	0.005 ^	V - 1	NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**3,594**	**1**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tebuthiuron (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**2,860**	**0**					
Tecnazene (plant growth regulator)							
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	0			0.001 ^		NT
Strawberries	530	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**4,322**	**0**					
Teflubenzuron (insecticide)							
Cherries	30	0			0.010 ^		NT
Cherries, Frozen	144	0			0.010 ^		NT
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Spinach	349	0			0.010 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**2,132**	**0**					
Tefluthrin (insecticide)							
Apples	531	0			0.002 ^		NT
Applesauce	190	0			0.002 ^		NT
Cherries	30	0			0.009 ^		NT
Cherries, Frozen	144	0			0.009 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.010		NT
Grapes	708	0			0.007 ^		NT
Green Beans	567	0			0.050 ^		NT
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.007 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.010		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**9,363**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tepraloxydim (herbicide)							
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	704	0			0.005 - 0.010		NT
Green Beans	567	0			0.005 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**2,171**	**0**					
Terbacil (herbicide)							
Apples	531	0			0.010 ^		0.3
Applesauce	190	0			0.010 ^		0.3
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cucumbers	754	0			0.008 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.008 ^		NT
Potatoes	708	0			0.003 - 0.010		NT
Spinach	707	0			0.003 - 0.020		NT
Strawberries	530	0			0.005 ^		0.1
Sweet Potatoes	532	0			0.020 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**6,496**	**0**					
Terbufos (insecticide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.003 - 0.005		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,604**	**0**					
Terbufos oxygen analog (metabolite of Terbufos)							
Cranberries	156	0			0.001 ^		NT
Cranberries, Frozen	25	0			0.001 ^		NT
Grapefruit	346	0			0.001 ^		NT
TOTAL	**527**	**0**					
Terbufos oxygen analog sulfone (metabolite of Terbufos)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.010		NT
Strawberries	530	0			0.010 ^		NT
TOTAL	**1,415**	**0**					
Terbufos oxygen analog sulfoxide (metabolite of Terbufos)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	346	0			0.005 ^		NT
TOTAL	**527**	**0**					
Terbufos sulfone (metabolite of Terbufos)							
Cranberries	156	0			0.025 ^		NT
Cranberries, Frozen	25	0			0.025 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Grapefruit	704	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	358	0			0.002 ^		NT
Strawberries	530	0			0.005 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**3,387**	**0**					
Terbufos sulfoxide (metabolite of Terbufos)							
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Grapefruit	704	0			0.002 - 0.003		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,604**	**0**					
Terbuthylazine (herbicide)							
Cherries	30	0			0.002 ^		NT
Cherries, Frozen	144	0			0.002 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.005 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**3,594**	**0**					
Tetrachlorvinphos (insecticide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	704	0			0.001 - 0.005		NT
Green Beans	567	0			0.005 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Potatoes	708	0			0.003 ^		NT
Spinach	358	0			0.003 ^		NT
Strawberries	530	0			0.001 ^		NT
Tomatoes	528	0			0.003 ^		NT
Tomatoes, Canned	189	0			0.003 ^		NT
TOTAL	**3,954**	**0**					
Tetraconazole (fungicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Grapefruit	358	0			0.005 ^		NT
Grapes	708	58	8.2	0.003 - 0.10	0.002 ^		0.20
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	6	1.7	0.002 - 0.006	0.001 ^	V - 6	NT
Strawberries	530	41	7.7	0.005 - 0.12	0.005 ^		0.25
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**5,045**	**105**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Tetradifon (insecticide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.020 ^		NT
Cherries, Frozen	144	0			0.020 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.010 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.002 ^		NT
Spinach	707	0			0.002 - 0.020		NT
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.020 ^		NT
Tomatoes	528	0			0.002 ^		NT
Tomatoes, Canned	189	0			0.002 ^		NT
TOTAL	**6,854**	**0**					
Tetrahydrophthalimide - THPI (metabolite of Captafol and Captan)							
Apples	531	65	12.2	0.011 - 0.61	0.010 ^		25.0
Applesauce	190	142	74.7	0.012 - 0.51	0.010 ^		25.0
Grapefruit	358	0			0.020 ^		NT
Lettuce	756	0			0.010 ^		0.05
Olives, Canned	189	0			0.020 ^		NT
Potatoes	648	0			0.004 - 0.012		0.05
Spinach	343	1	0.3	0.006 ^	0.004 ^		0.05
Strawberries	530	272	51.3	0.022 - 3.1	0.020 ^		20.0
Tomatoes	470	37	7.9	0.006 - 0.089	0.004 ^	X - 3	0.05
Tomatoes, Canned	189	1	0.5	0.006 ^	0.004 ^		0.05
TOTAL	**4,204**	**518**					
Tetramethrin (insecticide)							
Apples	531	0			0.005 ^		NT
Applesauce	190	0			0.005 ^		NT
Cherries	30	0			0.10 ^		NT
Cherries, Frozen	144	0			0.10 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	589	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.010		NT
Grapes	708	0			0.002 ^		NT
Green Beans	567	0			0.050 ^		NT
Lettuce	756	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Pears	707	0			0.002 ^		NT
Spinach	349	0			0.10 ^		NT
Strawberries	530	0			0.005 ^		NT
Sweet Potatoes	532	0			0.10 ^		NT
TOTAL	**7,415**	**0**					
Thiabendazole (fungicide) (parent of 5-hydroxythiabendazole)							
Apples	531	334	62.9	0.002 - 3.3	0.002 ^		5.0
Applesauce	190	54	28.4	0.002 - 0.89	0.002 ^		5.0
Cherries	30	0			0.005 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cherries, Frozen	144	0			0.005 ^		NT
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		0.02
Grapefruit	704	490	69.6	0.002 - 0.15	0.001 - 0.016		10.0
Grapes	708	0			0.003 ^		NT
Lettuce	756	0			0.002 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	524	74	0.010 - 0.42	0.010 ^		10.0
Pears	696	228	32.8	0.005 - 3.5	0.003 ^		5.0
Potatoes	708	47	6.6	0.002 - 3.1	0.001 ^		10.0
Spinach	707	0			0.001 - 0.005		0.02
Strawberries	530	6	1.1	0.011 - 1.1	0.001 ^		5.0
Sweet Potatoes	532	108	20.3	0.005 - 3.0	0.005 ^		10
Tomatoes	528	1	0.2	0.002 ^	0.001 ^	V - 1	NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**8,785**	**1,792**					
Thiacloprid (insecticide)							
Apples	531	24	4.5	0.001 - 0.031	0.001 ^		0.30
Applesauce	190	3	1.6	0.001 - 0.002	0.001 ^		0.30
Cherries	30	2	6.7	0.013 - 0.016	0.005 ^		0.5
Cherries, Frozen	144	41	28.5	0.006 - 0.095	0.005 ^		0.5
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Lettuce	756	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Pears	707	31	4.4	0.008 - 0.11	0.005 ^		0.30
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.005		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**7,561**	**101**					
Thiamethoxam (insecticide) (also a parent of Clothianidin)							
Apples	531	9	1.7	0.003 - 0.015	0.003 ^		0.2
Applesauce	190	0			0.003 ^		0.2
Cherries	30	0			0.005 - 0.010		0.5
Cherries, Frozen	144	39	27.1	0.006 - 0.34	0.005 - 0.010		0.5
Cranberries	156	0			0.010 ^		0.02
Cranberries, Frozen	25	0			0.010 ^		0.02
Cucumbers	754	74	9.8	0.010 - 0.25	0.010 ^		0.2
Grapefruit	704	13	1.8	0.001 - 0.023	0.001 - 0.005		0.40
Grapes	708	0			0.025 ^		0.20
Green Beans	567	0			0.005 ^		0.02
Lettuce	756	137	18.1	0.003 - 0.22	0.003 ^		4.0
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		0.40
Pears	707	0			0.025 ^		0.2
Potatoes	708	29	4.1	0.008 - 0.022	0.005 ^		0.25
Spinach	707	56	7.9	0.005 - 0.55	0.005 ^		4.0
Strawberries	530	87	16.4	0.001 - 0.12	0.001 ^		0.30

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Potatoes	532	0			0.005 ^		0.02
Tomatoes	528	29	5.5	0.008 - 0.028	0.005 ^		0.25
Tomatoes, Canned	189	0			0.005 ^		0.25
TOTAL	**9,363**	**473**					
Thiazopyr (herbicide)							
Apples	531	0			0.008 ^		NT
Applesauce	190	0			0.008 ^		NT
Cranberries	156	0			0.001 ^		NT
Cranberries, Frozen	25	0			0.001 ^		NT
Grapefruit	704	0			0.001 - 0.003		0.05
Lettuce	756	0			0.008 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**3,081**	**0**					
Thidiazuron (plant growth regulator)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Thiencarbazone methyl (herbicide)							
Grapefruit	358	0			0.020 ^		NT
Olives, Canned	189	0			0.020 ^		NT
Strawberries	530	0			0.020 ^		NT
TOTAL	**1,077**	**0**					
Thifensulfuron methyl (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Thiobencarb (herbicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Grapefruit	358	0			0.003 ^		NT
Lettuce	756	0			0.010 ^		0.2
Olives, Canned	189	0			0.003 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	358	0			0.001 ^		NT
Strawberries	530	0			0.003 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**4,337**	**0**					
Thiodicarb (insecticide)							
Apples	531	0			0.003 ^		NT
Applesauce	190	0			0.003 ^		NT
Grapefruit	358	0			0.010 ^		NT
Lettuce	756	0			0.003 ^		35
Olives, Canned	189	0			0.010 ^		NT
Spinach	349	0			0.010 ^		35

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**3,435**	**0**					
Thionazin (insecticide, fumigant)							
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	0			0.003 ^		NT
TOTAL	**1,077**	**0**					
Thiophanate methyl (fungicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Grapefruit	346	0			0.005 ^		NT
Green Beans	535	23	4.3	0.005 - 0.025	0.005 ^		2.0
TOTAL	**1,062**	**23**					
Tolclofos methyl (fungicide)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Tolfenpyrad (insecticide)							
Grapefruit	358	0			0.005 ^		1.5
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Tolylfluanid (fungicide)							
Cherries	30	0			0.048 ^		NT
Cherries, Frozen	144	0			0.048 ^		NT
Grapes	708	0			0.030 ^		11
Sweet Potatoes	532	0			0.050 ^		NT
TOTAL	**1,414**	**0**					
Topramezone (herbicide)							
Grapefruit	346	0			0.25 ^		NT
TOTAL	**346**	**0**					
Tri-Allate (herbicide)							
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.005 ^		NT
Green Beans	567	0			0.008 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**3,106**	**0**					
Triadimefon (fungicide) (also a parent of Triadimenol)							
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	358	0			0.003 ^		NT
Olives, Canned	189	0			0.003 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.005		NT
Strawberries	530	0			0.003 ^		NT
Sweet Potatoes	532	0			0.005 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**5,377**	**0**					
Triadimenol (fungicide) (also a metabolite of Triadimefon)							
Cherries	30	0			0.017 - 0.034		NT
Cherries, Frozen	144	0			0.017 - 0.034		NT
Cranberries	156	0			0.025 ^		NT
Cranberries, Frozen	25	0			0.025 ^		NT
Cucumbers	754	0			0.005 ^		NT
Grapefruit	704	0			0.005 - 0.020		NT
Grapes	708	4	0.6	0.017 - 0.42	0.010 ^	V - 4	NT
Olives, Canned	189	0			0.020 ^		NT
Oranges	708	0			0.005 ^		NT
Spinach	349	0			0.020 - 0.10		NT
Strawberries	530	0			0.020 ^		NT
Sweet Potatoes	472	0			0.020 - 0.040		NT
TOTAL	**4,769**	**4**					
Triasulfuron (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Triazophos (insecticide)							
Cherries	30	0			0.005 ^		NT
Cherries, Frozen	144	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.010 ^		NT
Strawberries	530	0			0.001 ^		NT
Sweet Potatoes	532	0			0.010 ^		NT
TOTAL	**3,245**	**0**					
Tribenuron methyl (herbicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Trichlorfon (insecticide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cranberries	156	0			0.040 ^		NT
Cranberries, Frozen	25	0			0.040 ^		NT
Grapefruit	704	0			0.003 - 0.020		NT
Lettuce	756	0			0.010 ^		NT

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Olives, Canned	189	0			0.003 ^		NT
Strawberries	530	3	0.6	0.004 - 0.009	0.003 ^	V - 3	NT
TOTAL	**3,081**	**3**					
Triclopyr (herbicide)							
Grapefruit	358	0			0.25 ^		NT
Olives, Canned	189	0			0.25 ^		NT
Strawberries	530	0			0.25 ^		NT
TOTAL	**1,077**	**0**					
Tricyclazole (fungicide)							
Grapefruit	358	0			0.001 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**1,077**	**0**					
Trifloxystrobin (fungicide)							
Apples	531	49	9.2	0.002 - 0.016	0.002 ^		0.5
Applesauce	190	0			0.002 ^		0.5
Cherries	30	0			0.005 ^		2
Cherries, Frozen	144	44	30.6	0.006 - 0.083	0.005 ^		2
Cranberries	156	0			0.001 ^		1.5
Cranberries, Frozen	25	0			0.001 ^		1.5
Cucumbers	754	0			0.005 ^		0.50
Grapefruit	704	1	0.1	0.001 ^	0.001 ^		0.6
Grapes	708	175	24.7	0.005 - 0.18	0.003 ^		2.0
Green Beans	567	1	0.2	0.013 ^	0.001 ^	V - 1	NT
Lettuce	756	1	0.1	0.27 ^	0.002 ^		30
Olives, Canned	189	0			0.001 ^		NT
Oranges	708	0			0.005 ^		0.6
Pears	707	1	0.1	0.005 ^	0.003 ^		0.5
Potatoes	708	0			0.001 ^		0.04
Spinach	707	1	0.1	0.048 ^	0.001 - 0.005		30
Strawberries	530	63	11.9	0.002 - 0.14	0.001 ^		1.5
Sweet Potatoes	532	0			0.005 ^		0.04
Tomatoes	528	11	2.1	0.002 - 0.014	0.001 ^		0.5
Tomatoes, Canned	189	0			0.001 ^		0.5
TOTAL	**9,363**	**347**					
Trifloxysulfuron (herbicide)							
Apples	531	0			0.020 ^		NT
Applesauce	190	0			0.020 ^		NT
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Grapefruit	704	0			0.001 - 0.005		0.03
Lettuce	724	0			0.020 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**3,049**	**0**					
Triflumizole (fungicide)							
Apples	531	0			0.010 ^		0.50
Applesauce	190	0			0.010 ^		0.50
Cherries	30	0			0.002 ^		1.5
Cherries, Frozen	144	25	17.4	0.003 - 0.24	0.002 ^		1.5

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Cranberries	156	0			0.010 ^		NT
Cranberries, Frozen	25	0			0.010 ^		NT
Cucumbers	754	15	2	0.003 - 0.047	0.003 ^		0.5
Grapefruit	704	0			0.003 - 0.005		NT
Grapes	708	36	5.1	0.002 - 0.015	0.001 ^		2.5
Green Beans	567	0			0.001 ^		NT
Lettuce	756	0			0.010 ^		35
Olives, Canned	189	0			0.003 ^		NT
Oranges	708	0			0.003 ^		NT
Pears	707	0			0.001 ^		0.50
Spinach	349	0			0.005 ^		NT
Strawberries	530	40	7.5	0.003 - 0.18	0.003 ^		2.0
Sweet Potatoes	532	0			0.005 ^		NT
TOTAL	**7,580**	**116**					
Trifluralin (herbicide)							
Apples	531	0			0.001 ^		NT
Applesauce	190	0			0.001 ^		NT
Cherries	30	0			0.009 ^		0.05
Cherries, Frozen	144	0			0.009 ^		0.05
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.005 ^		0.05
Grapefruit	704	0			0.005 - 0.010		0.05
Grapes	708	0			0.002 ^		0.05
Green Beans	567	0			0.005 ^		0.05
Lettuce	756	2	0.3	0.001 - 0.002	0.001 ^	V - 2	NT
Olives, Canned	189	0			0.010 ^		NT
Oranges	708	0			0.005 ^		0.05
Potatoes	708	2	0.3	0.002 ^	0.001 ^		0.05
Spinach	707	3	0.4	0.002 - 0.025	0.001 - 0.010	V - 3	NT
Strawberries	530	0			0.010 ^		NT
Sweet Potatoes	532	0			0.010 ^		0.05
Tomatoes	528	1	0.2	0.002 ^	0.001 ^		0.05
Tomatoes, Canned	189	2	1.1	0.002 ^	0.001 ^		0.05
TOTAL	**8,656**	**10**					
Triforine (fungicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Grapefruit	358	0			0.10 ^		NT
Lettuce	756	0			0.010 ^		NT
Olives, Canned	189	0			0.10 ^		NT
Strawberries	530	0			0.10 ^		NT
TOTAL	**2,554**	**0**					
Triticonazole (fungicide)							
Cranberries	156	0			0.005 ^		NT
Cranberries, Frozen	25	0			0.005 ^		NT
Cucumbers	754	0			0.010 ^		NT
Grapefruit	704	0			0.005 - 0.025		NT
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.010 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**3,066**	**0**					

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm
Uniconazole (insect growth regulator)							
Grapefruit	358	0			0.005 ^		NT
Olives, Canned	189	0			0.005 ^		NT
Strawberries	530	0			0.005 ^		NT
TOTAL	**1,077**	**0**					
Vernolate (herbicide)							
Cucumbers	754	0			0.010 ^		NT
Oranges	708	0			0.010 ^		NT
TOTAL	**1,462**	**0**					
Vinclozolin (fungicide)							
Apples	531	0			0.010 ^		NT
Applesauce	190	0			0.010 ^		NT
Cherries	30	0			0.010 ^		25.0
Cherries, Frozen	144	0			0.010 ^		25.0
Cucumbers	754	0			0.005 ^		1.0
Grapefruit	358	0			0.005 ^		NT
Grapes	708	0			0.002 ^		6.0
Lettuce	756	0			0.010 ^		10.0
Olives, Canned	189	0			0.005 ^		NT
Oranges	708	0			0.005 ^		NT
Potatoes	708	0			0.001 ^		NT
Spinach	707	0			0.001 - 0.010		NT
Strawberries	530	0			0.005 ^		10.0
Sweet Potatoes	532	0			0.010 ^		NT
Tomatoes	528	0			0.001 ^		NT
Tomatoes, Canned	189	0			0.001 ^		NT
TOTAL	**7,562**	**0**					
Zoxamide (fungicide)							
Cranberries	156	0			0.002 ^		NT
Cranberries, Frozen	25	0			0.002 ^		NT
Grapefruit	704	0			0.001 - 0.002		NT
Green Beans	567	0			0.002 ^		NT
Olives, Canned	189	0			0.001 ^		NT
Strawberries	530	0			0.001 ^		NT
TOTAL	**2,171**	**0**					

Many of the listed tolerances 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. The cited tolerances apply to 2016 and not to the current year. There may be instances where a tolerance was recently set or revoked that would have an effect on whether a residue is violative or not.

NOTES

^ Only one distinct detected concentration or LOD value was reported for the pesticide/commodity pair.

AL = Numbers shown are Action Levels established by FDA for some pesticides. Under the Food Quality Protection Act, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.

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

EX = Exempt from the requirement of a tolerance in or on all food commodities.

EX2 = Exempt from the requirement of a tolerance in or on all food commodities when used to control insect larvae.

SU = Safe for use in spot and/or crevice treatments in food handling establishments.

1 Emamectin benzoate is the salt form of the active, Emamectin.

Pesticide / Commodity	Number of Samples	Samples with Detections	% of Samples with Detections	Range of Values Detected, ppm	Range of LODs, ppm	Tolerance Violation	EPA Tolerance Level, ppm

2 Halosulfuron methyl is the salt form of the active, Halosulfuron.

3 Metalaxyl and mefenoxam have separate registrations. Mefenoxam is also known as Metalaxyl-M, which is one of the spatial isomers comprising metalaxyl. The spatial isomers of metalaxyl are analytically indistinguishable via multiresidue methods.

4 Specific tolerance established for methamidophos in green beans and lettuce as a possible result of an acephate application.

5 Propamocarb analytically determined as the salt (hydrochloride).

(X) = Residue was found which exceeds EPA tolerance or FDA action level. Following "X" are the number of occurrences. Refer to pages 1 and 2 in Appendix J to see the sample origin (domestic, imported, or unknown) for each occurrence.

(V) = Residue was found where no tolerance was established by EPA. Following "V" are the number of occurrences. Refer to pages 3 through 5 in Appendix J to see the number of occurrences broken down by sample origin (domestic, imported, or unknown) for a commodity/pesticide pair.

Appendix C

Distribution of Residues by Pesticide in Eggs

Appendix C shows residue detections for all compounds tested in eggs, including range of values detected, range of Limits of Detection (LODs), and U.S. Environmental Protection Agency (EPA) tolerance references for each pair. The EPA tolerances cited in this summary and appendixes apply to 2016 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

In 2016, the Pesticide Data Program (PDP) analyzed 294 egg samples. PDP detected just one pesticide in the egg samples, the insect growth regulator Cyromazine, which was detected in two samples at a concentration of 0.050 ppm where the established tolerance was 0.25 ppm.

Results for environmental contaminants across all commodities, including eggs, have been consolidated in a separate appendix because they have no registered uses and are not applied to crops (see Appendix E).

APPENDIX C. DISTRIBUTION OF RESIDUES BY PESTICIDE IN EGGS

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Abamectin	I	294				0.040 ^	0.01
Acephate	I	294				0.040 ^	0.1
Acetamiprid	I	294				0.040 ^	0.010
Alachlor	H	294				0.040 ^	0.02
Azinphos methyl	I	294				0.040 ^	NT
Azinphos methyl oxygen analog	IM	294				0.040 ^	NT
Bendiocarb	I	294				0.040 ^	SU
Benoxacor	S	294				0.040 ^	0.01
Bentazon	H	294				0.040 ^	0.05
Bifenthrin	I	294				0.040 ^	0.05
Boscalid	F	294				0.040 ^	0.02
Carbaryl	I	294				0.040 ^	0.5
Carbendazim (MBC)	F	294				0.040 ^	NT
Carbofuran	I	294				0.040 ^	NT
Carboxin	F	294				0.040 ^	0.05
Chlorantraniliprole	I	294				0.040 ^	1.0
Chlorfenapyr	I	294				0.040 ^	0.01
Chlorpyrifos	I	294				0.040 ^	0.1
Chlorpyrifos methyl	I	294				0.040 ^	0.1
Chlorpyrifos oxygen analog	IM	294				0.040 ^	0.1
Clothianidin	I	294				0.040 ^	0.02
Cyfluthrin	I	294				0.040 ^	0.01
Cyhalothrin, Lambda	I	294				0.040 ^	0.01
Cypermethrin	I	294				0.040 ^	0.05
Cyphenothrin	I	294				0.040 ^	NT
Cyromazine	R	294	2	0.7	0.050 ^	0.040 ^	0.25
Deltamethrin [1]	I	294				0.040 ^	0.02
Dichlorvos (DDVP)	I	294				0.040 ^	0.5
Dicofol o,p'	I	294				0.040 ^	0.05
Dicofol p,p'	I	294				0.040 ^	0.05
Difenoconazole	F	294				0.040 ^	0.02
Diflubenzuron	I	294				0.040 ^	0.07
Dimethoate	I	294				0.040 ^	0.02
Dinotefuran	I	294				0.040 ^	0.01
EPN	I	294				0.040 ^	NT
Esfenvalerate+Fenvalerate Total	I	294				0.080 ^	0.03
Etofenprox	I	294				0.040 ^	0.40
Fenpropathrin	I	294				0.040 ^	0.05
Fipronil	I	294				0.040 ^	0.03
Flonicamid	I	294				0.040 ^	0.04
Fluazifop butyl	H	294				0.040 ^	0.05
Flubendiamide	I	294				0.040 ^	0.40

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Fluometuron	H	294				0.040 ^	0.1
Fluopyram	F	294				0.040 ^	0.08
Flupyradifurone	I	294				0.040 ^	0.01
Fluridone	H	117				0.040 ^	0.05
Flutolanil	F	294				0.040 ^	0.05
Flutriafol	F	294				0.040 ^	0.01
Fluvalinate	I	294				0.040 ^	NT
Fluxapyroxad	F	294				0.040 ^	0.01
Hexythiazox	I	294				0.040 ^	0.05
3-Hydroxycarbofuran	IM	294				0.040 ^	NT
Imidacloprid	I	294				0.040 ^	0.02
Imiprothrin	I	294				0.040 ^	NT
Indoxacarb	I	294				0.040 ^	0.20
Iprodione	F	294				0.040 ^	1.5
Malathion	I	294				0.040 ^	0.1
Malathion oxygen analog	IM	294				0.040 ^	0.1
Metalaxyl/Mefenoxam [2]	F	294				0.040 ^	0.05
Metconazole	F	294				0.040 ^	0.04
Methamidophos	I	294				0.040 ^	0.02
Methoxyfenozide	I	294				0.040 ^	0.02
Metolachlor	H	294				0.040 ^	0.02
Metribuzin	H	294				0.040 ^	0.01
Myclobutanil	F	294				0.040 ^	0.02
1-Naphthol	IM	294				0.040 ^	0.5
Novaluron	I	294				0.040 ^	1.5
Omethoate	IM	294				0.040 ^	0.02
Oxydemeton methyl	I	294				0.040 ^	0.01
Oxydemeton methyl sulfone	IM	294				0.040 ^	0.01
Oxyfluorfen	H	294				0.040 ^	0.03
Pentachlorobenzene (PCB)	FM	294				0.040 ^	NT
Permethrin Total	I	294				0.040 ^	0.10
Phenothrin	I	294				0.040 ^	0.01
Phosmet	I	294				0.040 ^	NT
Phosmet oxygen analog	IM	294				0.040 ^	NT
Picoxystrobin	F	294				0.040 ^	0.01
Pinoxaden	H	294				0.040 ^	0.06
Piperonyl butoxide	I	294				0.040 ^	10
Prallethrin	I	294				0.040 ^	1.0
Primisulfuron methyl	H	294				0.040 ^	0.10
Pronamide	H	294				0.040 ^	0.02
Propanil	H	294				0.040 ^	0.30
Propargite	I	294				0.040 ^	0.1
Propetamphos	I	294				0.040 ^	NT
Pyraclostrobin	F	294				0.040 ^	NT

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Pyrethrins	I	294				0.040 ^	1.0
Pyriproxyfen	I	294				0.040 ^	0.10
Quintozene (PCNB)	F	294				0.040 ^	NT
Sethoxydim	H	294				0.040 ^	2.0
Simazine	H	294				0.040 ^	0.03
Spinetoram	I	176				0.040 ^	0.04
Spinetoram J	IM	118				0.040 ^	0.04
Spinetoram L	IM	118				0.040 ^	0.04
Spinosad	I	176				0.040 ^	0.30
Spinosad A	IM	118				0.040 ^	0.30
Spinosad D	IM	118				0.040 ^	0.30
Spirotetramat	I	294				0.040 ^	0.02
Sulfoxaflor	I	294				0.040 ^	NT
Tefluthrin	I	294				0.040 ^	NT
Tetrachlorvinphos	I	294				0.040 ^	0.2
Tetraconazole	F	294				0.040 ^	0.02
Tetramethrin	I	294				0.040 ^	NT
Thiamethoxam	I	294				0.040 ^	0.02
Thiobencarb	H	294				0.040 ^	0.2
Trifloxystrobin	F	294				0.040 ^	0.04
Triflumizole	F	294				0.040 ^	NT

Many of the listed tolerances 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. The cited tolerances apply to 2016 and not to the current year. There may be instances where a tolerance was recently set or revoked that would have an effect on whether a residue is violative or not.

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.

SU = Safe for use in spot and/or crevice treatments in food handling establishments.

1 = Deltamethrin includes parent Tralomethrin.

2 = Metalaxyl and mefenoxam have separate registrations. Mefenoxam is also known as Metalaxyl-M, which is one of the spatial isomers comprising metalaxyl. The spatial isomers of metalaxyl are analytically indistinguishable via multiresidue methods.

Pesticide Types:

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

Appendix D

Distribution of Residues by Pesticide in Milk

Appendix D shows residue detections for all compounds tested in milk, including range of values detected, range of Limits of Detection (LODs), and U.S. Environmental Protection Agency (EPA) tolerance references for each pair. The EPA tolerances cited in this summary and appendixes apply to 2016 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

In 2016, the Pesticide Data Program (PDP) analyzed 708 milk samples. PDP detected just one pesticide in the milk samples, the insecticide Flubendiamide, which was detected in 18 samples at concentrations ranging from 0.003 to 0.006 ppm where the established tolerance was 0.15 ppm.

Results for environmental contaminants across all commodities, including milk, have been consolidated in a separate appendix because they have no registered uses and are not applied to crops (see Appendix E).

APPENDIX D. DISTRIBUTION OF RESIDUES BY PESTICIDE IN MILK

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
2,4,5-T	H	531				0.10 ^	NT
2,4-D	H	531				0.050 ^	0.05
2,4-DB	H	531				0.10 ^	NT
2,4-dimethylphenyl formamide (2,4-DMPF)	I	708				0.005 ^	NT
2,6-DIPN	P	708				0.010 ^	0.02
Abamectin	I	708				0.020 ^	0.015
Acephate	I	708				0.005 ^	0.1
Acetamiprid	I	708				0.0012 ^	0.30
Acetochlor	H	708				0.005 ^	NT
Acifluorfen	H	708				0.050 ^	NT
Alachlor	H	708				0.010 ^	0.02
Aldicarb	I	708				0.005 ^	NT
Aldicarb sulfone	IM	708				0.0026 ^	NT
Aldicarb sulfoxide	IM	708				0.0026 ^	NT
Allethrin	I	708				0.010 ^	NT
Ametoctradin	F	708				0.0012 ^	NT
Ametryn	H	708				0.0012 ^	NT
Amicarbazone	H	708				0.005 ^	0.01
Asulam	H	708				0.0012 ^	0.05
Atrazine	H	708				0.0012 ^	0.02
Azinphos ethyl	I	708				0.005 ^	NT
Azinphos methyl	I	708				0.005 ^	NT
Azinphos methyl oxygen analog	IM	708				0.0026 ^	NT
Azoxystrobin	F	708				0.0012 ^	0.006
Benalaxyl	F	708				0.010 ^	NT
Benazolin	H	708				0.050 ^	NT
Bendiocarb	I	708				0.0012 ^	SU
Benfluralin	H	708				0.005 ^	NT
Benoxacor	S	708				0.0026 ^	0.01
Bensulide	H	708				0.005 ^	NT
Bentazon	H	708				0.0026 ^	0.02
Bifenazate	A	708				0.0026 ^	0.02
Bifenox	H	708				0.010 - 0.020	NT
Bifenthrin	I	708				0.0026 ^	0.1
Bitertanol	F	708				0.010 ^	NT
Boscalid	F	708				0.0026 ^	0.10
Bromacil	H	708				0.010 ^	NT
Bromopropylate	A	708				0.0026 ^	NT
Bromoxynil	H	708				0.010 ^	0.4
Bromuconazole	F	708				0.005 ^	NT
Bupirimate	F	708				0.0012 ^	NT
Buprofezin	I	708				0.0012 ^	0.01
Butylate	H	708				0.020 ^	NT
Cadusafos	I	708				0.0012 ^	NT
Carbaryl	I	708				0.0026 ^	1.0

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Carbendazim (MBC)	F	708				0.0012 ^	NT
Carbofuran	I	708				0.0012 ^	NT
Carbophenothion	I	708				0.010 ^	NT
Carboxin	F	708				0.0026 ^	0.05
Carfentrazone ethyl	H	708				0.0026 ^	0.05
Chlorantraniliprole	I	708				0.005 ^	0.1
Chlorethoxyfos	I	708				0.020 ^	NT
Chlorfenapyr	I	708				0.25 ^	0.01
Chlorfenvinphos total	I	708				0.0012 ^	NT
Chlorimuron ethyl	H	708				0.0026 ^	NT
Chlorobenzilate	A	708				0.0026 ^	NT
Chloroneb	F	708				0.005 ^	0.05
Chlorothalonil	F	562				0.005 ^	0.1
Chlorpropham	H	708				0.0026 ^	0.30
Chlorpyrifos	I	708				0.0026 ^	0.25
Chlorpyrifos oxygen analog	IM	708				0.0012 ^	0.25
Chlorsulfuron	H	708				0.0012 ^	0.1
Clethodim	H	708				0.010 ^	0.05
Clofentezine	I	708				0.005 ^	0.01
Clomazone	H	708				0.0026 ^	NT
Cloransulam Methyl	H	708				0.0012 ^	NT
Clothianidin	I	708				0.0012 ^	0.01
Coumaphos	I	708				0.0012 ^	0.5
Coumaphos oxygen analog	IM	708				0.0012 ^	0.5
Crotoxyphos	I	708				0.0026 ^	NT
Crufomate	I	708				0.0026 ^	NT
Cyantraniliprole	I	708				0.0026 ^	0.01
Cyazofamid	F	708				0.010 ^	NT
Cyclanilide	P	708				0.020 ^	0.04
Cyflufenamid	F	708				0.0012 ^	NT
Cyflumetofen	A	708				0.0026 ^	NT
Cyfluthrin	I	708				0.010 ^	0.2
Cyhalothrin, Total [1]	I	708				0.010 ^	0.4
Cymoxanil	F	708				0.010 ^	NT
Cypermethrin	I	708				0.020 ^	2.5
Cyphenothrin	I	708				0.010 ^	NT
Cyproconazole	F	708				0.005 ^	0.02
Cyprodinil	F	708				0.005 ^	NT
Cyprosulfamide	S	708				0.0026 ^	NT
Cyromazine	R	708				0.005 ^	0.05
DCPA	H	708				0.0026 ^	NT
DEF (Tribufos)	H	708				0.0012 ^	0.01
Deltamethrin [2]	I	708				0.005 ^	0.1
Demeton-O	IM	708				0.010 ^	NT
Demeton-S	IM	708				0.010 ^	NT
Demeton-S sulfone	IM	708				0.0012 ^	NT
Dialifos	I	708				0.005 ^	NT

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Diazinon	I	708				0.0012 ^	NT
Diazinon oxygen analog	IM	708				0.0012 ^	NT
Dicamba	H	531				0.25 ^	0.2
Dichlobenil	H	708				0.0012 ^	NT
Dichlormid	H	708				0.020 ^	NT
Dichlorprop	H	708				0.050 ^	NT
Dichlorvos (DDVP)	I	708				0.020 ^	0.5
Dicloran	F	708				0.020 ^	NT
Diclosulam	H	708				0.010 ^	NT
Dicofol o,p'	I	708				0.005 ^	22.0
Dicofol p,p'	I	708				0.005 ^	22.0
Dicrotophos	I	708				0.0012 ^	NT
Diethofencarb	F	708				0.0026 ^	NT
Difenoconazole	F	708				0.0026 ^	0.02
Diflubenzuron	I	708				0.0012 ^	0.05
Dimethenamid	H	708				0.0012 ^	NT
Dimethoate	I	708				0.0012 ^	0.002
Dimethomorph	F	708				0.0026 ^	NT
Diniconazole	F	708				0.005 ^	NT
Dinotefuran	I	708				0.0026 ^	0.05
Dioxacarb	I	708				0.0012 ^	NT
Dioxathion	I	708				0.005 ^	NT
Diphenamid	H	708				0.005 ^	NT
Diphenylamine (DPA)	F	708				0.0026 ^	0.01
Disulfoton	I	708				0.020 ^	NT
Disulfoton sulfone	IM	708				0.0012 ^	NT
Disulfoton sulfoxide	IM	708				0.0012 ^	NT
Diuron	H	708				0.010 ^	NT
DMST (4-dimethylaminosulphotosluidide)	FM	708				0.0026 ^	NT
Dodine	F	708				0.010 ^	NT
Emamectin	I	708				0.010 ^	0.003
Endosulfan I	IM	708				0.020 ^	2.0
Endosulfan II	IM	708				0.010 ^	2.0
Endosulfan sulfate	IM	708				0.010 ^	2.0
EPN	I	678				0.020 ^	NT
Epoxiconazole	F	708				0.0026 ^	NT
Esfenvalerate	I	619				0.005 ^	0.3
Ethalfluralin	H	708				0.010 ^	NT
Ethiofencarb	I	708				0.0026 ^	NT
Ethiofencarb sulfone	IM	708				0.0026 ^	NT
Ethiofencarb sulfoxide	IM	708				0.0012 ^	NT
Ethion	I	708				0.0012 ^	NT
Ethion mono oxon	IM	708				0.0012 ^	NT
Ethiprole	I	708				0.005 ^	NT
Ethofumesate	H	708				0.0026 ^	NT
Ethoprop	I	708				0.0012 ^	NT
Ethylan	I	708				0.0026 ^	NT

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Etofenprox	I	592				0.0012 - 0.020	0.60
Etoxazole	A	708				0.0012 ^	0.01
Etridiazole	F	708				0.040 ^	NT
Famoxadone	F	708				0.010 ^	0.06
Fenamidone	F	708				0.0012 ^	0.02
Fenamiphos	I	708				0.0012 ^	NT
Fenamiphos sulfone	IM	708				0.0012 ^	NT
Fenamiphos sulfoxide	IM	708				0.0026 ^	NT
Fenarimol	F	708				0.0026 ^	NT
Fenazaquin	I	708				0.0012 ^	NT
Fenbuconazole	F	708				0.0026 ^	NT
Fenchlorphos	I	708				0.0026 ^	NT
Fenhexamid	F	708				0.010 ^	NT
Fenitrothion	I	708				0.005 ^	NT
Fenobucarb (BPMC)	I	708				0.0026 ^	NT
Fenoxaprop ethyl	H	708				0.0012 ^	0.02
Fenoxycarb	I	708				0.0012 ^	NT
Fenpropathrin	I	708				0.005 ^	0.08
Fenpropidin	F	708				0.040 ^	NT
Fenpropimorph	F	708				0.0012 ^	NT
Fenpyrazamine	F	708				0.020 ^	NT
Fenpyroximate	A	708				0.0012 ^	0.015
Fensulfothion	I	708				0.0012 ^	NT
Fenthion	I	708				0.0026 ^	NT
Fenthion sulfone	IM	708				0.020 ^	NT
Fenthion sulfoxide	IM	708				0.020 ^	NT
Fenuron	H	708				0.005 ^	NT
Fipronil	I	708				0.0026 ^	0.05
Fipronil sulfone (MB46136)	IM	708				0.0026 ^	0.05
Flazasulfuron	H	708				0.005 ^	NT
Flonicamid	I	708				0.010 ^	0.05
Fluazifop	H	708				0.050 ^	NT
Fluazifop butyl	H	708				0.0012 ^	0.05
Fluazinam	F	708				0.0026 ^	NT
Flubendiamide	I	708	18	2.5	0.003 - 0.006	0.0026 ^	0.15
Flucythrinate	I	708				0.010 ^	NT
Fludioxonil	F	708				0.010 ^	0.01
Flufenacet	H	708				0.010 ^	NT
Flufenoxuron	I	708				0.0012 ^	0.20
Flufenpyr ethyl	H	708				0.0012 ^	NT
Flumetsulam	H	708				0.0026 ^	NT
Flumiclorac pentyl	H	708				0.0012 ^	NT
Flumioxazin	H	708				0.020 ^	NT
Fluometuron	H	708				0.0026 ^	0.02
Fluopicolide	F	708				0.0012 ^	NT
Fluopyram	F	708				0.0012 ^	0.40
Fluoxastrobin	F	708				0.0012 ^	0.03

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Flupyradifurone	I	708				0.0012 ^	0.15
Fluquinconazole	F	708				0.0026 ^	NT
Fluridone	H	708				0.0012 ^	0.05
Fluroxypyr	HM	708				0.050 ^	0.3
Flusilazole	F	708				0.0012 ^	NT
Fluthiacet methyl	H	708				0.0026 ^	NT
Flutolanil	F	708				0.0012 ^	0.05
Flutriafol	F	708				0.0012 ^	0.02
Fluvalinate	I	678				0.010 ^	NT
Fluxapyroxad	F	708				0.0012 ^	0.02
Fomesafen	H	708				0.005 ^	NT
Fonofos	I	708				0.0026 ^	NT
Forchlorfenuron	P	708				0.0012 ^	NT
Formetanate hydrochloride	I	708				0.0012 ^	NT
Fosthiazate	T	708				0.0012 ^	NT
Furalaxyl	F	708				0.010 ^	NT
Halosulfuron methyl	H	708				0.020 ^	0.05
Haloxyfop	H	708				0.020 ^	NT
Heptenophos	I	708				0.010 ^	NT
Hexaconazole	F	708				0.005 ^	NT
Hexazinone	H	708				0.005 ^	11
Hexythiazox	I	708				0.0012 ^	0.05
Hydroprene	R	708				0.020 ^	0.2
3-Hydroxycarbofuran	IM	708				0.0012 ^	NT
5-Hydroxythiabendazole	FM	708				0.0012 ^	0.1
Imazalil	F	708				0.0026 ^	0.02
Imazapic	H	708				0.005 ^	0.1
Imazaquin	H	708				0.010 ^	NT
Imazethapyr	H	708				0.020 ^	NT
Imazosulfuron	H	708				0.0026 ^	NT
Imidacloprid	I	708				0.0026 ^	0.10
Imiprothrin	I	708				0.010 ^	NT
Indaziflam	H	708				0.0012 ^	NT
Indoxacarb	I	708				0.005 ^	0.15
Ipconazole	F	708				0.0026 ^	NT
Iprodione	F	708				0.010 ^	0.5
Iprovalicarb	F	708				0.0026 ^	NT
Isocarbophos	I	708				0.010 ^	NT
Isofenphos	I	708				0.0026 ^	NT
Isofenphos methyl	IM	708				0.005 ^	NT
Isoprocarb	I	708				0.005 ^	NT
Isoproturon	H	708				0.0026 ^	NT
Isoxadifen ethyl	S	708				0.005 ^	NT
Kresoxim-methyl	F	708				0.005 ^	NT
Lactofen	H	708				0.0026 ^	NT
Lenacil	H	708				0.0026 ^	NT
Leptophos oxygen analog	IM	708				0.0026 ^	NT

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Linuron	H	708				0.0026 ^	0.05
Lufenuron	I	708				0.005 ^	NT
Malathion	I	708				0.0026 ^	0.5
Malathion oxygen analog	IM	708				0.0012 ^	0.5
Mandipropamid	F	708				0.0026 ^	NT
MCPA	H	531				0.25 ^	0.1
MCPB	H	531				0.25 ^	NT
Mecarbam	I	708				0.020 ^	NT
Mecoprop (MCPP)	H	708				0.25 ^	NT
Mefenpyr diethyl	S	708				0.0026 ^	NT
Mepanipyrim	F	708				0.0012 ^	NT
Metaflumizone	I	708				0.010 ^	NT
Metalaxyl/Mefenoxam [3]	F	708				0.0012 ^	0.02
Metaldehyde	O	708				0.10 ^	NT
Metconazole	F	708				0.0026 ^	NT
Methamidophos	I	708				0.0012 ^	0.1
Methidathion	I	708				0.0026 ^	NT
Methiocarb	I	708				0.0012 ^	NT
Methiocarb sulfone	IM	708				0.0026 ^	NT
Methiocarb sulfoxide	IM	708				0.0012 ^	NT
Methomyl	I	708				0.010 ^	NT
Methoxychlor p,p'	IM	708				0.005 ^	NT
Methoxyfenozide	I	708				0.0026 ^	0.10
Metolachlor	H	708				0.0026 ^	0.02
Metolcarb	I	708				0.010 ^	NT
Metrafenone	F	708				0.0012 ^	NT
Metribuzin	H	708				0.005 ^	0.05
Metsulfuron methyl	H	708				0.0012 ^	0.05
Mevinphos Total	I	708				0.0026 ^	NT
MGK-264	I	708				0.005 ^	5
Monocrotophos	I	708				0.0026 ^	NT
Monolinuron	H	708				0.0012 ^	NT
Myclobutanil	F	708				0.0026 ^	0.2
Napropamide	H	708				0.005 ^	NT
Nicosulfuron	H	708				0.0012 ^	0.01
Nitrapyrin	N	708				0.020 ^	NT
Nitrofen	H	708				0.020 ^	NT
Norflurazon	H	708				0.0026 ^	0.1
Norflurazon desmethyl	HM	708				0.0026 ^	0.1
Novaluron	I	708				0.020 ^	1.0
Omethoate	IM	708				0.0012 ^	0.002
Oryzalin	H	708				0.020 ^	NT
Oxadiazon	H	708				0.0026 ^	NT
Oxadixyl	F	708				0.005 ^	NT
Oxamyl	I	708				0.005 ^	NT
Oxamyl oxime	IM	708				0.005 ^	NT
Oxydemeton methyl	I	708				0.0012 ^	0.01

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Oxydemeton methyl sulfone	IM	708				0.0012 ^	0.01
Oxyfluorfen	H	708				0.020 ^	0.01
Paclobutrazol	P	708				0.005 ^	NT
Parathion ethyl	I	708				0.005 ^	NT
Parathion methyl	I	708				0.020 ^	NT
Parathion methyl oxygen analog	IM	708				0.010 ^	NT
Parathion oxygen analog	IM	708				0.0026 ^	NT
Penconazole	F	708				0.0026 ^	NT
Pencycuron	F	708				0.0026 ^	NT
Pendimethalin	H	708				0.010 ^	0.04
Penflufen	F	708				0.0012 ^	NT
Penoxsulam	H	177				0.0012 ^	NT
Pentachloroaniline (PCA)	FM	708				0.0026 ^	NT
Pentachlorobenzene (PCB)	FM	708				0.005 ^	NT
Pentachlorophenyl methyl sulfide	FM	708				0.020 ^	NT
Penthiopyrad	F	708				0.0012 ^	0.02
Permethrin cis	IM	708				0.010 ^	3.0
Permethrin trans	IM	708				0.010 ^	3.0
Phenothrin	I	708				0.005 ^	0.01
Phenthoate	I	708				0.0012 ^	NT
Phorate	I	708				0.020 ^	NT
Phorate oxygen analog	IM	708				0.005 ^	NT
Phorate oxygen analog sulfone	IM	708				0.0012 ^	NT
Phorate oxygen analog sulfoxide	IM	708				0.0012 ^	NT
Phorate sulfone	IM	708				0.0026 ^	NT
Phorate sulfoxide	IM	708				0.0012 ^	NT
Phosalone	I	708				0.0026 ^	NT
Phosmet	I	708				0.0012 ^	0.1
Phosmet oxygen analog	IM	708				0.0012 ^	0.1
Phosphamidon	I	708				0.005 ^	NT
Phoxim	I	708				0.0012 ^	NT
Picoxystrobin	F	708				0.005 ^	0.01
Pinoxaden	H	708				0.020 ^	0.02
Piperonyl butoxide	I	708				0.010 ^	10
Pirimicarb	I	708				0.0012 ^	NT
Pirimicarb desmethyl	IM	708				0.0012 ^	NT
Pirimiphos methyl	I	708				0.0012 ^	NT
Pirimiphos-ethyl	I	708				0.0012 ^	NT
Prallethrin	I	708				0.020 ^	1.0
Primisulfuron methyl	H	708				0.005 ^	0.02
Prochloraz	F	708				0.005 ^	NT
Procymidone	F	708				0.005 ^	NT
Profenofos	I	708				0.005 ^	0.01
Profluralin	H	708				0.020 ^	NT
Profoxydim	H	708				0.0026 ^	NT
Promecarb	I	708				0.0012 ^	NT
Prometryn	H	708				0.0012 ^	NT

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Pronamide	H	708				0.0026 ^	0.02
Propachlor	H	708				0.0012 ^	0.02
Propamocarb	F	708				0.0012 ^	NT
Propanil	H	708				0.010 ^	0.05
Propaquizafop	H	708				0.0012 ^	NT
Propargite	I	708				0.0012 ^	2.0
Propetamphos	I	708				0.005 ^	NT
Propham	H	708				0.0026 ^	NT
Propiconazole	F	708				0.005 ^	0.05
Proquinazid	F	708				0.010 ^	NT
Prosulfuron	H	708				0.0026 ^	NT
Prothiofos	I	708				0.005 ^	NT
Pymetrozine	I	708				0.0012 ^	NT
Pyraclostrobin	F	708				0.0012 ^	0.1
Pyraflufen	HM	708				0.020 ^	NT
Pyraflufen ethyl	H	708				0.0012 ^	0.03
Pyrasulfotole	H	708				0.005 ^	0.03
Pyrazon	H	708				0.0012 ^	0.02
Pyrazophos	F	708				0.0012 ^	NT
Pyridaben	I	708				0.0012 ^	0.01
Pyridalyl	I	679				0.0012 - 0.040	NT
Pyrimethanil	F	708				0.005 ^	0.05
Pyriproxyfen	I	708				0.0012 ^	0.10
Pyroxasulfone	H	708				0.0026 ^	0.003
Quinalphos	I	708				0.0012 ^	NT
Quinoxyfen	F	708				0.0012 ^	NT
Quintozene (PCNB)	F	708				0.005 ^	NT
Quizalofop	HM	708				0.050 ^	NT
Quizalofop ethyl	H	708				0.0012 ^	0.01
Resmethrin	I	708				0.0026 ^	3.0
Rimsulfuron	H	708				0.0026 ^	NT
Rotenone	I	708				0.0026 ^	NT
Saflufenacil	H	708				0.0026 ^	0.01
Sedaxane	F	708				0.005 ^	NT
Sethoxydim	H	708				0.0026 ^	0.5
Simazine	H	708				0.0012 ^	0.03
Spinetoram	I	708				0.010 ^	0.30
Spinosad	I	708				0.0026 ^	7.0
Spirodiclofen	A	708				0.0026 ^	0.01
Spiromesifen	I	708				0.0026 ^	0.01
Spiromesifen alcohol	IM	708				0.0012 ^	0.01
Spirotetramat	I	708				0.0012 ^	0.01
Spiroxamine	F	708				0.0012 ^	NT
Sulfallate	H	708				0.005 ^	NT
Sulfentrazone	H	708				0.010 ^	NT
Sulfosulfuron	H	708				0.005 ^	0.02
Sulfoxaflor	I	708				0.0026 ^	0.15

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Sulprofos	I	708				0.0026 ^	NT
TCMTB	F	708				0.005 ^	NT
Tebuconazole	F	708				0.005 ^	0.1
Tebufenozide	I	708				0.005 ^	0.04
Tebufenpyrad	I	708				0.0012 ^	NT
Tebuthiuron	H	708				0.0012 ^	0.8
Tecnazene	P	708				0.010 ^	NT
Teflubenzuron	I	708				0.005 ^	NT
Tefluthrin	I	708				0.005 ^	NT
Tepraloxydim	H	708				0.010 ^	0.10
Terbacil	H	708				0.005 ^	NT
Terbufos	I	708				0.0026 ^	NT
Terbufos oxygen analog sulfone	IM	649				0.010 - 0.020	NT
Terbufos sulfone	IM	708				0.005 ^	NT
Terbufos sulfoxide	IM	708				0.0026 ^	NT
Terbuthylazine	H	708				0.0012 ^	NT
Tetrachlorvinphos	I	708				0.0012 ^	0.05
Tetraconazole	F	708				0.005 ^	0.03
Tetradifon	I	708				0.010 ^	0.4
Tetrahydrophthalimide (THPI)	FM	708				0.020 ^	0.10
Tetramethrin	I	708				0.005 ^	NT
Thiabendazole	F	708				0.0012 ^	0.1
Thiacloprid	I	708				0.0012 ^	0.030
Thiamethoxam	I	708				0.0012 ^	0.02
Thiazopyr	H	708				0.0026 ^	NT
Thidiazuron	P	708				0.005 ^	0.05
Thiencarbazone methyl	H	708				0.020 ^	0.02
Thifensulfuron methyl	H	708				0.0012 ^	NT
Thiobencarb	H	708				0.0026 ^	0.05
Thiodicarb	I	708				0.010 ^	NT
Thionazin	I	708				0.0026 ^	NT
Tolclofos methyl	F	708				0.005 ^	NT
Tolfenpyrad	I	708				0.005 ^	0.03
Tri Allate	H	708				0.005 ^	NT
Triadimefon	F	708				0.0026 ^	NT
Triadimenol	F	708				0.020 ^	NT
Triasulfuron	H	708				0.0012 ^	0.02
Triazophos	I	708				0.0012 ^	NT
Tribenuron methyl	H	708				0.0012 ^	NT
Trichlorfon	I	708				0.0026 ^	NT
Triclopyr	H	708				0.25 ^	0.60
Tricyclazole	F	708				0.0012 ^	NT
Trifloxystrobin	F	708				0.0012 ^	0.02
Trifloxysulfuron	H	708				0.0012 ^	NT
Triflumizole	F	708				0.0026 ^	NT
Trifluralin	H	708				0.010 ^	NT
Triforine	F	708				0.10 ^	NT

Pesticide	Pest. Type	Number of Samples	Samples with Detections	% of Samples with Detects	Range of Values Detected, ppm	Range of LODs, ppm	EPA Tolerance Level, ppm
Triticonazole	F	708				0.005 ^	NT
Uniconazole	R	708				0.005 ^	NT
Vinclozolin	F	708				0.005 ^	0.05
Zoxamide	F	708				0.0012 ^	NT

Many of the listed tolerances 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. The cited tolerances apply to 2016 and not to the current year. There may be instances where a tolerance was recently set or revoked that would have an effect on whether a residue is violative or not.

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.

SU = Safe for use in spot and/or crevice treatments in food handling establishments.

1 = Includes cyhalothrin lambda plus R157836 epimer.

2 = Includes parent Tralomethrin.

3 = Metalaxyl and mefenoxam have separate registrations. Mefenoxam is also known as Metalaxyl-M, which is one of the spatial isomers comprising metalaxyl. The spatial isomers of metalaxyl are analytically indistinguishable via multiresidue methods.

Pesticide Types:

A = Acaricide
F = Fungicide, FM = Fungicide Metabolite
H = Herbicide, HM = Herbicide Metabolite
I = Insecticide, IM = Insecticide Metabolite
N = Nitrification Inhibitor
O = Molluscicide
P = Plant Growth Regulator
R = Insect Growth Regulator
S = Herbicide Safener
T = Nematicide

Appendix E

Distribution of Residues for Environmental Contaminants

Appendix E shows residue detections across all commodities for 22 compounds identified as environmental contaminants, including range of values detected, range of Limits of Detection (LODs), and U.S. Environmental Protection Agency (EPA) tolerances or Action Levels for each pair. Results for environmental contaminants have been consolidated in this appendix because they have no registered uses and are not applied to crops.

The EPA tolerances cited in this summary and appendixes apply to 2016 and not to the current year. There may be instances where tolerances have been recently set, modified or revoked that would have an effect on whether a residue is violative or not.

Action Levels (ALs) are shown in this appendix, where applicable, and denote AL values established by the U.S. Food and Drug Administration (FDA). Under the Food Quality Protection Act, responsibility for establishing tolerances in lieu of ALs has been transferred to EPA. In the interim, ALs are used.

APPENDIX E. DISTRIBUTION OF RESIDUES FOR ENVIRONMENTAL CONTAMINANTS

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
Aldrin (insecticide) (parent of Dieldrin)						
Apples	531	0			0.003 ^	0.03 AL
Applesauce	190	0			0.003 ^	0.03 AL
Cherries	30	0			0.041 ^	0.3 AL
Cherries, Frozen	144	0			0.041 ^	0.3 AL
Cranberries	156	0			0.005 ^	0.05 AL
Cranberries, Frozen	25	0			0.005 ^	0.05 AL
Cucumbers	754	0			0.005 ^	0.1 AL
Eggs	294	0			0.040 ^	0.03 AL
Grapefruit	704	0			0.010 ^	0.02 AL
Grapes	708	0			0.003 ^	0.05 AL
Green Beans	567	0			0.010 ^	0.05 AL
Lettuce	756	0			0.003 ^	0.03 AL
Milk	708	0			0.010 ^	0.3 AL
Olives, Canned	189	0			0.010 ^	0.05 AL
Oranges	708	0			0.005 ^	0.02 AL
Pears	707	0			0.003 ^	0.03 AL
Potatoes	708	0			0.001 - 0.003	0.1 AL
Spinach	707	0			0.001 - 0.040	0.05 AL
Strawberries	530	0			0.010 ^	0.05 AL
Sweet Potatoes	468	0			0.045 ^	0.1 AL
Tomatoes	528	0			0.001 ^	0.05 AL
Tomatoes, Canned	189	0			0.001 ^	0.05 AL
TOTAL	**10,301**	**0**				
BHC alpha (insecticide) (isomer of BHC)						
Apples	531	0			0.012 ^	0.05 AL
Applesauce	190	0			0.012 ^	0.05 AL
Cherries	30	0			0.007 ^	0.05 AL
Cherries, Frozen	144	0			0.007 ^	0.05 AL
Cranberries	156	0			0.010 ^	0.05 AL
Cranberries, Frozen	25	0			0.010 ^	0.05 AL
Cucumbers	754	0			0.005 ^	0.05 AL
Eggs	294	0			0.040 ^	0.05 AL
Grapefruit	704	0			0.003 - 0.005	0.05 AL
Grapes	708	0			0.001 ^	0.05 AL
Green Beans	567	0			0.020 ^	0.05 AL
Lettuce	756	0			0.012 ^	0.05 AL
Milk	708	0			0.0026 ^	0.3 AL
Olives, Canned	189	0			0.003 ^	0.05 AL
Oranges	708	0			0.005 ^	0.05 AL
Pears	707	0			0.001 ^	0.05 AL
Potatoes	708	0			0.001 ^	0.05 AL
Spinach	707	0			0.001 - 0.010	0.05 AL
Strawberries	530	0			0.003 ^	0.05 AL
Sweet Potatoes	532	0			0.010 ^	0.05 AL
Tomatoes	528	0			0.001 ^	0.05 AL
Tomatoes, Canned	189	0			0.001 ^	0.05 AL
TOTAL	**10,365**	**0**				
BHC beta (isomer of BHC)						
Apples	531	0			0.014 ^	0.05 AL
Applesauce	190	0			0.014 ^	0.05 AL
Cranberries	156	0			0.005 ^	0.05 AL
Cranberries, Frozen	25	0			0.005 ^	0.05 AL
Cucumbers	754	0			0.005 ^	0.05 AL

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
Grapefruit	704	0			0.003 - 0.010	0.05 AL
Grapes	708	0			0.001 ^	0.05 AL
Green Beans	567	0			0.020 ^	0.05 AL
Lettuce	756	0			0.014 ^	0.05 AL
Milk	708	0			0.0026 ^	0.3 AL
Olives, Canned	189	0			0.003 ^	0.05 AL
Oranges	708	0			0.005 ^	0.05 AL
Pears	707	0			0.001 ^	0.05 AL
Strawberries	530	0			0.003 ^	0.05 AL
TOTAL	**7,233**	**0**				
BHC delta (isomer of BHC)						
Grapefruit	358	0			0.005 ^	0.05 AL
Milk	708	0			0.005 ^	0.3 AL
Olives, Canned	189	0			0.005 ^	0.05 AL
Strawberries	530	0			0.005 ^	0.05 AL
TOTAL	**1,785**	**0**				
Chlordane Total (insecticide)						
Grapes	708	0			0.012 ^	0.1 AL
Pears	707	0			0.012 ^	0.1 AL
TOTAL	**1,415**	**0**				
Chlordane cis (isomer of Chlordane)						
Apples	472	0			0.010 ^	0.1 AL
Applesauce	190	0			0.010 ^	0.1 AL
Cherries	30	0			0.005 ^	0.1 AL
Cherries, Frozen	144	0			0.005 ^	0.1 AL
Cranberries	156	0			0.010 ^	NT
Cranberries, Frozen	25	0			0.010 ^	NT
Cucumbers	754	2	0.3	0.008 - 0.009	0.005 ^	0.1 AL
Eggs	294	0			0.040 ^	NT
Grapefruit	704	0			0.005 - 0.025	0.1 AL
Green Beans	567	0			0.025 ^	0.1 AL
Lettuce	756	0			0.010 ^	0.1 AL
Milk	708	0			0.005 ^	NT
Olives, Canned	189	0			0.005 ^	0.1 AL
Oranges	708	0			0.005 ^	0.1 AL
Potatoes	708	3	0.4	0.002 ^	0.001 ^	0.1 AL
Spinach	707	4	0.6	0.002 ^	0.001 - 0.010	0.1 AL
Strawberries	530	0			0.005 ^	0.1 AL
Sweet Potatoes	532	0			0.010 ^	0.1 AL
Tomatoes	528	0			0.001 ^	0.1 AL
Tomatoes, Canned	189	0			0.001 ^	0.1 AL
TOTAL	**8,891**	**9**				
Chlordane trans (isomer of Chlordane)						
Apples	472	0			0.010 ^	0.1 AL
Applesauce	190	0			0.010 ^	0.1 AL
Cherries	30	0			0.005 ^	0.1 AL
Cherries, Frozen	144	0			0.005 ^	0.1 AL
Cranberries	156	0			0.005 ^	NT
Cranberries, Frozen	25	0			0.005 ^	NT
Cucumbers	754	0			0.005 ^	0.1 AL
Eggs	294	0			0.040 ^	NT
Grapefruit	704	0			0.005 - 0.010	0.1 AL
Green Beans	567	0			0.010 ^	0.1 AL
Lettuce	756	0			0.010 ^	0.1 AL
Milk	708	0			0.005 ^	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
Olives, Canned	189	0			0.005 ^	0.1 AL
Oranges	708	0			0.005 ^	0.1 AL
Potatoes	708	0			0.001 ^	0.1 AL
Spinach	707	3	0.4	0.002 ^	0.001 - 0.010	0.1 AL
Strawberries	530	0			0.005 ^	0.1 AL
Sweet Potatoes	532	0			0.010 ^	0.1 AL
Tomatoes	528	0			0.001 ^	0.1 AL
Tomatoes, Canned	189	0			0.001 ^	0.1 AL
TOTAL	**8,891**	**3**				
DDD o,p' (metabolite of DDT)						
Apples	531	0			0.001 ^	0.1 AL
Applesauce	190	0			0.001 ^	0.1 AL
Eggs	294	0			0.040 ^	0.5 AL
Grapefruit	358	0			0.001 ^	0.1 AL
Lettuce	756	0			0.001 ^	0.5 AL
Milk	708	0			0.0012 ^	1.25 AL
Olives, Canned	189	0			0.001 ^	0.1 AL
Potatoes	708	0			0.001 ^	1 AL
Spinach	358	2	0.6	0.002 - 0.003	0.001 ^	0.5 AL
Strawberries	530	0			0.001 ^	0.1 AL
Tomatoes	528	0			0.001 ^	0.05 AL
Tomatoes, Canned	189	0			0.001 ^	0.05 AL
TOTAL	**5,339**	**2**				
DDD p,p' (metabolite of DDT)						
Apples	502	0			0.005 ^	0.1 AL
Applesauce	190	0			0.005 ^	0.1 AL
Cherries	30	0			0.005 ^	0.2 AL
Cherries, Frozen	144	0			0.005 ^	0.2 AL
Cranberries	156	0			0.005 ^	0.1 AL
Cranberries, Frozen	25	0			0.005 ^	0.1 AL
Cucumbers	754	0			0.005 ^	0.1 AL
Eggs	294	0			0.040 ^	0.5 AL
Grapefruit	645	0			0.003 - 0.025	0.1 AL
Green Beans	567	0			0.025 ^	0.2 AL
Lettuce	724	0			0.005 ^	0.5 AL
Milk	500	0			0.0026 ^	1.25 AL
Oranges	708	0			0.005 ^	0.1 AL
Potatoes	708	1	0.1	0.002 ^	0.001 ^	1 AL
Spinach	707	2	0.3	0.002 ^	0.001 - 0.005	0.5 AL
Strawberries	530	0			0.003 ^	0.1 AL
Sweet Potatoes	532	1	0.2	0.021 ^	0.005 ^	1 AL
Tomatoes	528	0			0.001 ^	0.05 AL
Tomatoes, Canned	189	0			0.001 ^	0.05 AL
TOTAL	**8,433**	**4**				
DDE o,p' (metabolite of DDT)						
Apples	502	0			0.001 ^	0.1 AL
Applesauce	190	0			0.001 ^	0.1 AL
Eggs	294	0			0.040 ^	0.5 AL
Grapefruit	358	0			0.005 ^	0.1 AL
Grapes	708	0			0.002 ^	0.05 AL
Lettuce	756	0			0.001 ^	0.5 AL
Milk	708	0			0.005 ^	1.25 AL
Olives, Canned	189	0			0.005 ^	0.1 AL
Pears	707	0			0.002 ^	0.1 AL
Strawberries	530	0			0.005 ^	0.1 AL
TOTAL	**4,942**	**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
DDE p,p' (metabolite of DDT)						
Apples	531	0			0.010 ^	0.1 AL
Applesauce	190	0			0.010 ^	0.1 AL
Cherries	30	0			0.005 ^	0.2 AL
Cherries, Frozen	144	0			0.005 ^	0.2 AL
Cranberries	156	0			0.005 ^	0.1 AL
Cranberries, Frozen	25	0			0.005 ^	0.1 AL
Cucumbers	754	0			0.005 ^	0.1 AL
Eggs	294	0			0.040 ^	0.5 AL
Grapefruit	704	0			0.001 - 0.010	0.1 AL
Grapes	708	1	0.1	0.003 ^	0.002 ^	0.05 AL
Green Beans	567	0			0.005 ^	0.2 AL
Lettuce	756	0			0.010 ^	0.5 AL
Milk	708	0			0.0012 ^	1.25 AL
Olives, Canned	189	0			0.001 ^	0.1 AL
Oranges	708	0			0.005 ^	0.1 AL
Pears	707	0			0.002 ^	0.1 AL
Potatoes	708	118	16.7	0.002 - 0.012	0.001 - 0.003	1 AL
Spinach	707	277	39.2	0.002 - 0.057	0.001 - 0.005	0.5 AL
Strawberries	530	0			0.001 ^	0.1 AL
Sweet Potatoes	532	1	0.2	0.009 ^	0.005 ^	1 AL
Tomatoes	528	1	0.2	0.002 ^	0.001 ^	0.05 AL
Tomatoes, Canned	189	0			0.001 ^	0.05 AL
TOTAL	**10,365**	**398**				
DDT o,p' (insecticide)						
Eggs	294	0			0.040 ^	0.5 AL
Grapefruit	329	0			0.005 ^	0.1 AL
Grapes	708	0			0.002 ^	0.05 AL
Milk	589	0			0.005 ^	1.25 AL
Olives, Canned	64	0			0.005 ^	0.1 AL
Pears	707	0			0.002 ^	0.1 AL
Potatoes	708	10	1.4	0.002 ^	0.001 ^	1 AL
Spinach	358	24	6.7	0.002 - 0.005	0.001 ^	0.5 AL
Strawberries	530	0			0.005 ^	0.1 AL
Tomatoes	528	0			0.001 ^	0.05 AL
Tomatoes, Canned	189	0			0.001 ^	0.05 AL
TOTAL	**5,004**	**34**				
DDT p,p' (insecticide)						
Apples	531	0			0.001 ^	0.1 AL
Applesauce	190	0			0.001 ^	0.1 AL
Cherries	30	0			0.075 ^	0.2 AL
Cherries, Frozen	144	0			0.075 ^	0.2 AL
Cucumbers	710	0			0.005 ^	0.1 AL
Eggs	294	0			0.040 ^	0.5 AL
Grapefruit	358	0			0.005 ^	0.1 AL
Grapes	708	0			0.002 ^	0.05 AL
Lettuce	756	6	0.8	0.001 - 0.002	0.001 ^	0.5 AL
Milk	708	0			0.005 ^	1.25 AL
Olives, Canned	189	0			0.005 ^	0.1 AL
Oranges	708	0			0.005 ^	0.1 AL
Pears	707	0			0.002 ^	0.1 AL
Potatoes	689	31	4.5	0.002 - 0.014	0.001 ^	1 AL
Spinach	358	54	15.1	0.002 - 0.010	0.001 - 0.003	0.5 AL
Strawberries	530	0			0.005 ^	0.1 AL
Sweet Potatoes	532	0			0.075 ^	1 AL

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
Tomatoes	528	0			0.001 ^	0.05 AL
Tomatoes, Canned	189	0			0.001 ^	0.05 AL
TOTAL	**8,859**	**91**				
Dieldrin (insecticide) (also a metabolite of Aldrin)						
Apples	531	0			0.010 ^	0.03 AL
Applesauce	190	0			0.010 ^	0.03 AL
Cherries	30	0			0.040 ^	0.3 AL
Cherries, Frozen	144	0			0.040 ^	0.3 AL
Cranberries	156	0			0.025 ^	0.05 AL
Cranberries, Frozen	25	0			0.025 ^	0.05 AL
Cucumbers	754	36	4.8	0.006 - 0.054	0.005 ^	0.1 AL
Eggs	294	0			0.040 ^	0.03 AL
Grapefruit	704	0			0.020 - 0.025	0.02 AL
Grapes	708	0			0.005 ^	0.05 AL
Green Beans	567	0			0.025 ^	0.05 AL
Lettuce	756	0			0.010 ^	0.03 AL
Milk	708	0			0.020 ^	0.3 AL
Olives, Canned	189	0			0.020 ^	0.05 AL
Oranges	708	0			0.005 ^	0.02 AL
Pears	707	0			0.005 ^	0.03 AL
Potatoes	708	11	1.6	0.004 ^	0.002 ^	0.1 AL
Spinach	707	15	2.1	0.004 ^	0.002 - 0.040	0.05 AL
Strawberries	530	0			0.020 ^	0.05 AL
Sweet Potatoes	532	0			0.045 ^	0.1 AL
Tomatoes	528	0			0.002 ^	0.05 AL
Tomatoes, Canned	189	0			0.002 ^	0.05 AL
TOTAL	**10,365**	**62**				
Endrin (insecticide)						
Apples	531	0			0.010 ^	0.03 AL
Applesauce	190	0			0.010 ^	0.03 AL
Cherries	30	0			0.031 ^	0.03 AL
Cherries, Frozen	144	0			0.031 ^	0.03 AL
Cranberries	156	0			0.005 ^	0.05 AL
Cranberries, Frozen	25	0			0.005 ^	0.05 AL
Cucumbers	754	0			0.005 ^	0.05 AL
Eggs	294	0			0.040 ^	0.03 AL
Grapefruit	704	0			0.010 - 0.030	0.02 AL
Green Beans	567	0			0.003 ^	0.05 AL
Lettuce	756	0			0.010 ^	0.05 AL
Milk	708	0			0.010 ^	0.3 AL
Olives, Canned	189	0			0.010 ^	0.05 AL
Oranges	708	0			0.005 ^	0.02 AL
Pears	707	0			0.003 ^	0.03 AL
Potatoes	708	0			0.005 ^	0.05 AL
Spinach	707	0			0.005 - 0.035	0.05 AL
Strawberries	530	0			0.010 ^	0.05 AL
Sweet Potatoes	532	0			0.035 ^	0.05 AL
Tomatoes	528	0			0.005 ^	0.05 AL
Tomatoes, Canned	189	0			0.005 ^	0.05 AL
TOTAL	**9,657**	**0**				
Heptachlor (insecticide)						
Apples	531	0			0.002 ^	0.01 AL
Applesauce	190	0			0.002 ^	0.01 AL
Cherries	30	0			0.10 ^	0.05 AL
Cherries, Frozen	144	0			0.10 ^	0.05 AL

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
Cranberries	156	0			0.001 ^	0.05 AL
Cranberries, Frozen	25	0			0.001 ^	0.05 AL
Cucumbers	754	0			0.005 ^	0.05 AL
Eggs	294	0			0.040 ^	0.05 AL
Grapefruit	704	0			0.005 ^	0.05 AL
Grapes	708	0			0.001 ^	0.05 AL
Green Beans	567	0			0.005 ^	0.05 AL
Lettuce	756	0			0.002 ^	0.05 AL
Milk	708	0			0.005 ^	0.1 AL
Olives, Canned	189	0			0.005 ^	0.01 AL
Oranges	708	0			0.005 ^	0.05 AL
Pears	707	0			0.001 ^	0.05 AL
Potatoes	708	0			0.001 - 0.003	0.01 AL
Spinach	707	0			0.001 - 0.10	0.05 AL
Strawberries	530	0			0.005 ^	0.05 AL
Sweet Potatoes	532	0			0.10 ^	0.01 AL
Tomatoes	528	0			0.001 ^	0.01 AL
Tomatoes, Canned	189	0			0.001 - 0.003	0.01 AL
TOTAL	**10,365**	**0**				
Heptachlor epoxide (metabolite of Heptachlor)						
Apples	531	0			0.005 ^	0.01 AL
Applesauce	190	0			0.005 ^	0.01 AL
Cherries	30	0			0.040 ^	0.05 AL
Cherries, Frozen	144	0			0.040 ^	0.05 AL
Cranberries	156	0			0.001 ^	0.05 AL
Cranberries, Frozen	25	0			0.001 ^	0.05 AL
Cucumbers	754	0			0.005 ^	0.05 AL
Eggs	294	0			0.040 ^	0.05 AL
Grapefruit	704	0			0.010 ^	0.05 AL
Green Beans	567	0			0.010 ^	0.05 AL
Lettuce	756	0			0.005 ^	0.05 AL
Milk	708	0			0.010 ^	0.1 AL
Olives, Canned	189	0			0.010 ^	0.01 AL
Oranges	708	0			0.005 ^	0.05 AL
Potatoes	708	0			0.002 ^	0.01 AL
Spinach	707	0			0.002 - 0.040	0.05 AL
Strawberries	530	0			0.010 ^	0.05 AL
Sweet Potatoes	532	0			0.040 ^	0.01 AL
Tomatoes	528	0			0.002 ^	0.01 AL
Tomatoes, Canned	189	0			0.002 ^	0.01 AL
TOTAL	**8,950**	**0**				
Heptachlor epoxide cis (metabolite of Heptachlor)						
Grapes	708	0			0.004 ^	0.05 AL
Pears	707	0			0.004 ^	0.05 AL
TOTAL	**1,415**	**0**				
Hexachlorobenzene - HCB (metabolite and impurity of Quintozene)						
Cranberries	156	0			0.005 ^	NT
Cranberries, Frozen	25	0			0.005 ^	NT
Cucumbers	754	0			0.005 ^	NT
Eggs	294	0			0.040 ^	NT
Grapefruit	704	0			0.003 - 0.050	NT
Green Beans	379	0			0.050 ^	0.1
Milk	708	0			0.0026 ^	NT
Olives, Canned	189	0			0.003 ^	NT
Oranges	708	0			0.005 ^	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
Spinach	358	0			0.001 ^	NT
Strawberries	530	0			0.003 ^	NT
TOTAL	**4,805**	**0**				
Lindane - BHC gamma (insecticide) (also an isomer of BHC)						
Apples	531	0			0.013 ^	NT
Applesauce	190	0			0.013 ^	NT
Cherries	30	0			0.045 ^	0.5
Cherries, Frozen	144	0			0.045 ^	0.5
Cranberries	156	0			0.005 ^	NT
Cranberries, Frozen	25	0			0.005 ^	NT
Cucumbers	754	0			0.005 ^	NT
Eggs	294	0			0.040 ^	0.5
Grapefruit	704	0			0.005 ^	0.5
Green Beans	567	0			0.008 ^	0.5
Lettuce	756	0			0.013 ^	NT
Milk	708	0			0.005 ^	0.3
Olives, Canned	189	0			0.005 ^	NT
Oranges	708	0			0.005 ^	0.5
Potatoes	708	0			0.001 ^	0.5
Spinach	707	0			0.001 - 0.045	NT
Strawberries	530	0			0.005 ^	0.5
Sweet Potatoes	532	0			0.045 ^	0.5
Tomatoes	528	0			0.003 ^	NT
Tomatoes, Canned	189	0			0.003 ^	NT
TOTAL	**8,950**	**0**				
Mirex (insecticide)						
Apples	531	0			0.001 ^	NT
Applesauce	190	0			0.001 ^	NT
Lettuce	756	0			0.001 ^	NT
TOTAL	**1,477**	**0**				
Oxychlordane (metabolite of Chlordane)						
Grapefruit	358	0			0.020 ^	0.1 AL
Milk	708	0			0.020 ^	NT
Olives, Canned	189	0			0.020 ^	0.1 AL
Strawberries	530	0			0.020 ^	0.1 AL
TOTAL	**1,785**	**0**				

NOTES

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

AL = Numbers shown are Action Levels established by FDA for some pesticides. Under the Food Quality Protection Act, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.

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

Appendix F

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

Appendix F gives the number of samples per State or country of origin and the number of samples of unknown origin. Where available, the 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 F, samples originated from 42 States and 20 foreign countries. There were 339 domestic samples from unknown States and one imported sample from an unknown country. There were an additional 50 samples from unknown origins. Overall, 81.2 percent of samples were from U.S. sources, 18.3 percent were imports, and 0.5 percent were of unknown origin.

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

Part 1. Domestic Samples

	Fresh F&V															Processed F&V					Egg	Milk	# of	% of
	AP	CA	CH	CU	GB	GF	GR	LT	OG	PE	PO	SP	ST	SW	TO	AC	AZ	CZ	OL	TC	EG	MK	Samples	Total
Alabama															6								6	0.1
Arizona				11	1			3	3	2	5	2			2	3			3	2	5		42	0.4
Arkansas					1							12		7		4		4	7	7	9	8	59	0.6
California	15	15		20	92	292	324	650	538	87	83	495	409	175	61	20	4	26	75	39	56	168	3644	35.2
Colorado				1	5			3		1	28	9			2					1	3	21	74	0.7
Connecticut	2			3			2		2	2					1				1	1		3	17	0.2
Delaware					1																	1	2	< 0.1
Florida	1			40	103	145	1	4	29	1	20	6	43	1	76	2		1	4		7	42	526	5.1
Georgia				44	25							1		2	2						5	8	87	0.8
Idaho	1									1	214			7					2	1		2	228	2.2
Illinois	7			3	5	1		1	5		6	14		7	1	15			10	11	10	13	109	1.1
Indiana				1						1				2						11	8		23	0.2
Kansas																		1				2	3	< 0.1
Kentucky											1										1		2	< 0.1
Louisiana														30								1	31	0.3
Maine											6						1			1	1	2	11	0.1
Maryland	3			7	8	1	1	3	2		3	12		2	2	2	1	2	3	2	4	12	70	0.7
Massachusetts		69									3	3					7					7	89	0.9
Michigan	20	5		25	8		2	3		2	12	7		1	7	11		10	6	9	18	48	194	1.9
Minnesota	1					2	5		4	1	6		4			5			6	3	6	15	58	0.6
Mississippi						1								60							10		71	0.7
Missouri																3			1	3	1	6	14	0.1
Nebraska																				27			27	0.3
Nevada											2												2	< 0.1
New Hampshire																					5		5	< 0.1
New Jersey		2		7	12	2		1				5		4	1			1	1	9	6	30	81	0.8
New Mexico								4														1	5	< 0.1
New York	29			12	5			2			22	8	2	7	6	5		2	8	9	13	63	193	1.9
North Carolina				10	7						2	20	2	136	5	10		2	4	10	7	21	236	2.3
North Dakota											5												5	< 0.1
Ohio	2			7	12	2		5			10	4		1	2	8		13	6	17	29	81	199	1.9
Oregon		3		1		1				140	17	1		1			4				3	6	177	1.7
Pennsylvania	5			2	4				1		6	12			2	19		1		2	39	22	115	1.1
Rhode Island																			1				1	< 0.1
South Carolina															7						2		9	0.1
Tennessee				1	1										3							2	7	0.1
Texas	10			23	22	202	10	20	27	14	63	41		8	7	48	1	5	6	6	26	91	630	6.1
Utah																					3		3	< 0.1
Vermont															1	1							2	< 0.1
Virginia	2			2	6										2	2				1		4	19	0.2
Washington	394	4		4	4	5	1	8		339	135	5	3	2		13				5	6	24	952	9.2
Wisconsin		21		1					1	3	18										2	4	50	0.5
Unknown State	7	3		38	57	20	9	23	18	10	8	25	11	77	14	2	2		1	5	9		339	3.3
No. of Domestic	499	122	0	263	379	674	355	730	630	604	675	682	474	530	210	173	20	68	145	182	294	708	8,417	
% of Total	94	78	0	35	67	96	50	97	89	85	95	96	89	100	40	91	80	47	77	96	100	100		81.2

Part 2. Imported Samples

	Fresh F&V															Processed F&V					Egg	Milk	# of	% of
	AP	CA	CH	CU	GB	GF	GR	LT	OG	PE	PO	SP	ST	SW	TO	AC	AZ	CZ	OL	TC	EG	MK	Samples	Total
Argentina			1							72													73	0.7
Australia									5														5	< 0.1
Brazil							1																1	< 0.1
Canada	1	34		53	6			9			29	9			41	15	5						202	1.9
Chile	17		29				231		38	27								33					375	3.6
China	1									1						1							3	< 0.1
Dominican Repub.				8																			8	0.1
Egypt																			1				1	< 0.1
France	1																						1	< 0.1
Greece																		26					26	0.3
Guatemala					23																		23	0.2
Honduras				23	1																		24	0.2
Italy																				7			7	0.1
Mexico				393	145	4	61	9	9			14	56		276								967	9.3
Morocco																			1				1	< 0.1
New Zealand	12									3													15	0.1
Peru						3	56																59	0.6
South Africa						20			23														43	0.4
Spain				4															40				44	0.4
Turkey																		17	2				19	0.2
Unknown Country							1																1	< 0.1
No. of Imports	32	34	30	481	175	27	350	18	75	103	29	23	56	0	317	16	5	76	44	7	0	0	1,898	
% of Total	6	22	100	64	31	4	49	2	11	15	4	3	11	0	60	8	20	53	23	4	0	0		18.3

Part 3. Unknown Origin Samples

	Fresh F&V															Processed F&V					Egg	Milk	# of	% of
	AP	CA	CH	CU	GB	GF	GR	LT	OG	PE	PO	SP	ST	SW	TO	AC	AZ	CZ	OL	TC	EG	MK	Samples	Total
Unknown Origin				10	13	3	3	8	3		4	2		2	1	1							50	0.5
% of Total				1	2	< 1	< 1	1	< 1		1	< 1		< 1	< 1	1								0.5

Sample Totals:	531	156	30	754	567	704	708	756	708	707	708	707	530	532	528	190	25	144	189	189	294	708	10,365

Commodity Legend

AC = Applesauce	GB = Green Beans	PE = Pears
AP = Apples	GF = Grapefruit	PO = Potatoes
AZ = Cranberries, Frozen	GR = Grapes	SP = Spinach
CA = Cranberries, Fresh	LT = Lettuce	ST = Strawberries
CH = Cherries, Fresh	MK = Milk	SW = Sweet Potatoes
CU = Cucumbers	OG = Oranges	TC = Tomatoes, Canned
CZ = Cherries, Frozen	OL = Olives, Canned	TO = Tomatoes, Fresh
EG = Eggs		

Appendix G

Import Versus Domestic Pesticide Residue Comparisons

The Pesticide Data Program 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 G compares residue data reported for samples originating in the United States with those of the same commodity from major exporting countries in 2016. Residue data for domestic grapes are compared with data for samples originating in Chile. Residue data for domestic green beans and tomatoes are compared with data for samples originating in Mexico. 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 and climatic conditions as well as crop production and protection practices.

Appendix G. Import Versus Domestic Pesticide Residue Comparisons

2016 Distribution of Residues for Grape Samples Originating in Chile Versus 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
Boscalid	United States	355	211	59.4
	Chile	231	169	73.2
Buprofezin	United States	354	68	19.2
	Chile	231	0	0
Cyprodinil	United States	355	150	42.3
	Chile	231	134	58.0
Difenoconazole	United States	355	16	4.5
	Chile	231	72	31.2
Fenhexamid	United States	355	65	18.3
	Chile	230	154	67.0
Fludioxonil	United States	355	54	15.2
	Chile	231	77	33.3
Iprodione	United States	355	4	1.1
	Chile	231	52	22.5
Methoxyfenozide	United States	355	64	18.0
	Chile	231	16	6.9
Myclobutanil	United States	355	87	24.5
	Chile	231	52	22.5
Pyraclostrobin	United States	355	181	51.0
	Chile	231	62	26.8
Pyrimethanil	United States	355	26	7.3
	Chile	231	59	25.5
Quinoxyfen	United States	355	111	31.3
	Chile	231	71	30.7
Spirotetramat	United States	355	115	32.4
	Chile	231	30	13.0
Tebuconazole	United States	355	92	25.9
	Chile	231	147	63.6
Trifloxystrobin	United States	355	76	21.4
	Chile	231	59	25.5

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

2016 Distribution of Residues for Green Bean Samples Originating in Mexico Versus 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
Azoxystrobin	United States	379	128	33.8
	Mexico	145	5	3.4
Boscalid	United States	379	31	8.2
	Mexico	145	18	12.4
Chlorantraniliprole	United States	379	55	14.5
	Mexico	145	6	4.1
Pyraclostrobin	United States	379	69	18.2
	Mexico	145	21	14.5

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

2016 Distribution of Residues for Tomato Samples Originating in Mexico Versus 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
Azoxystrobin	United States	210	28	13.3
	Mexico	276	94	34.1
Bifenthrin	United States	210	64	30.5
	Mexico	276	18	6.5
Boscalid	United States	210	20	9.5
	Mexico	276	120	43.5
Chlorantraniliprole	United States	210	70	33.3
	Mexico	276	29	10.5
Clothianidin	United States	210	24	11.4
	Mexico	276	51	18.5
Difenoconazole	United States	210	48	22.9
	Mexico	276	59	21.4
Dinotefuran	United States	210	36	17.1
	Mexico	276	25	9.1
Flonicamid	United States	210	6	2.9
	Mexico	276	108	39.1
Imidacloprid	United States	210	77	36.7
	Mexico	276	44	15.9
Pyraclostrobin	United States	210	41	19.5
	Mexico	276	82	29.7
Pyrimethanil	United States	210	20	9.5
	Mexico	276	45	16.3
Sulfoxaflor	United States	210	6	2.9
	Mexico	276	66	23.9

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

Appendix H

Pesticide Residues by Commodity
(Pairs With Residue Detections in at Least 5 Percent of Samples)

Appendix H shows 265 commodity/pesticide pairs (including metabolites, isomers, and degradates) with detections in at least 5 percent of the samples tested. The data shown include the range and mean of values detected and U.S. Environmental Protection Agency (EPA) tolerance references for each pair. The EPA tolerances cited in this summary and Appendixes apply to 2016 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

APPENDIX H. PESTICIDE RESIDUES [A] BY COMMODITY

(Pairs With Residue Detections in at Least 5 Percent of Samples)

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm	Mean of Detections, ppm	EPA Tolerance, ppm
1 Apples (16 pesticides)							
Acetamiprid *	I	32.6	531	173	0.002 - 0.18	0.026	1.0
Boscalid	F	22.8	531	121	0.003 - 0.21	0.057	3.0
Carbendazim (MBC) [1]	F	14.1	531	75	0.001 - 0.11	0.028	2.0
Chlorantraniliprole	I	25.2	531	134	0.010 - 0.076	0.023	1.2
Cyhalothrin, Total [2] *	I	5.1	531	27	0.005 - 0.037	0.013	0.30
Diphenylamine (DPA)	F	80.2	531	426	0.002 - 3.8	0.283	10.0
Flubendiamide	I	5.1	531	27	0.005 - 0.13	0.034	1.5
Fludioxonil	F	35	531	186	0.028 - 2.8	0.417	5.0
Hexythiazox	I	6.8	531	36	0.003 - 0.036	0.013	0.4
Imidacloprid	I	7.5	531	40	0.003 - 0.021	0.007	0.5
Pyraclostrobin	F	20.5	531	109	0.003 - 0.12	0.033	1.5
Pyrimethanil	F	33.9	531	180	0.053 - 6.2	1.668	15
Spirodiclofen	A	14.3	531	76	0.010 - 0.085	0.027	0.80
Tetrahydrophthalimide (THPI) [3]	FM	12.2	531	65	0.011 - 0.61	0.133	25.0
Thiabendazole	F	62.9	531	334	0.002 - 3.3	0.391	5.0
Trifloxystrobin	F	9.2	531	49	0.002 - 0.016	0.005	0.5
2 Applesauce (11 pesticides)							
Acetamiprid *	I	78.9	190	150	0.002 - 0.079	0.011	1.0
Boscalid	F	8.9	190	17	0.004 - 0.026	0.009	3.0
Carbendazim (MBC) [1]	F	70	190	133	0.001 - 0.076	0.015	2.0
Cyprodinil	F	10.5	190	20	0.005 - 0.012	0.008	1.7
Diphenylamine (DPA)	F	35.8	190	68	0.002 - 0.050	0.013	10.0
Flubendiamide	I	26.3	190	50	0.004 - 0.017	0.007	1.5
Fludioxonil	F	10	190	19	0.025 - 0.12	0.045	5.0
Imidacloprid	I	9.5	190	18	0.004 - 0.013	0.006	0.5
Pyrimethanil	F	18.4	190	35	0.061 - 1.3	0.401	15
Tetrahydrophthalimide (THPI) [3]	FM	74.7	190	142	0.012 - 0.51	0.065	25.0
Thiabendazole	F	28.4	190	54	0.002 - 0.89	0.141	5.0
3 Cherries, Fresh (12 pesticides)							
Acetamiprid *	I	60	30	18	0.003 - 0.13	0.045	1.20
Buprofezin	I	13.3	30	4	0.002 - 0.042	0.019	1.9
Cyhalothrin, Total [2] *	I	13.3	30	4	0.014 - 0.020	0.016	0.50
Fenbuconazole	F	16.7	30	5	0.005 - 0.13	0.034	1.0
Fenhexamid	F	30	30	9	0.011 - 0.10	0.053	10.0
Fludioxonil	F	60	30	18	0.050 - 1.2	0.417	5.0
Iprodione	F	93.3	30	28	0.032 - 2.6	0.968	20.0
Pyraclostrobin	F	6.7	30	2	0.004 - 0.005	0.005	2.5
Pyrimethanil	F	10	30	3	0.008 - 0.62	0.213	10
Spinosad A [4]	IM	6.7	30	2	0.005 - 0.029	0.017	0.20
Tebuconazole	F	93.3	30	28	0.060 - 1.9	0.71	5.0
Thiacloprid	I	6.7	30	2	0.013 - 0.016	0.014	0.5

	Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm	Mean of Detections, ppm	EPA Tolerance, ppm
4	**Cherries, Frozen (24 pesticides)**							
	Acetamiprid *	I	63.9	144	92	0.002 - 0.10	0.021	1.20
	Boscalid	F	36.8	144	53	0.013 - 0.35	0.071	3.5
	Buprofezin	I	14.6	144	21	0.001 - 0.022	0.008	1.9
	Carbaryl	I	11.8	144	17	0.004 - 0.69	0.172	10
	Carbendazim (MBC) [1]	F	20.8	144	30	0.005 - 0.58	0.052	20.0
	Cyhalothrin, Total [2] *	I	27.8	144	40	0.012 - 0.088	0.038	0.50
	Cypermethrin	I	6.9	144	10	0.073 - 0.16	0.112	1
	Dimethoate (parent)	I	7.6	144	11	0.005 - 0.052	0.021	2.0
	Omethoate [5]	IM	5.6	144	8	0.010 - 0.053	0.018	2.0
	Fenbuconazole	F	32.6	144	47	0.005 - 0.78	0.164	1.0
	Fenhexamid	F	6.2	144	9	0.014 - 0.078	0.039	10.0
	Fenpropathrin	I	27.8	144	40	0.021 - 1.0	0.3	5.0
	Fludioxonil	F	5.6	144	8	0.037 - 0.71	0.298	5.0
	Imidacloprid	I	21.5	144	31	0.019 - 0.23	0.066	3.0
	Iprodione	F	20.8	144	30	0.034 - 1.7	0.383	20.0
	Myclobutanil	F	12.5	144	18	0.001 - 0.061	0.01	5.0
	Permethrin							
	Permethrin cis [6]	IM	5.6	144	8	0.020 - 0.059	0.04	4.0
	Permethrin trans [6]	IM	6.9	144	10	0.013 - 0.086	0.051	4.0
	Propiconazole	F	7.6	144	11	0.019 - 0.083	0.039	4.0
	Pyraclostrobin	F	43.1	144	62	0.002 - 0.18	0.043	2.5
	Spinosad							
	Spinosad A [4]	IM	22.9	144	33	0.003 - 0.037	0.014	0.20
	Spinosad D [4]	IM	7.6	144	11	0.004 - 0.007	0.005	0.20
	Tebuconazole	F	34.7	144	50	0.013 - 1.3	0.184	5.0
	Thiacloprid	I	28.5	144	41	0.006 - 0.095	0.025	0.5
	Thiamethoxam *	I	27.1	144	39	0.006 - 0.34	0.053	0.5
	Trifloxystrobin	F	30.6	144	44	0.006 - 0.083	0.029	2
	Triflumizole	F	17.4	144	25	0.003 - 0.24	0.033	1.5
5	**Cranberries (4 pesticides)**							
	Azoxystrobin	F	22.4	156	35	0.001 - 0.008	0.003	5.0
	Chlorantraniliprole	I	7.1	156	11	0.005 - 0.014	0.008	2.5
	Diazinon	I	5.1	156	8	0.006 - 0.028	0.013	0.50
	Fenbuconazole	F	24.4	156	38	0.001 - 0.009	0.004	0.5
6	**Cranberries, Frozen (1 pesticide)**							
	Methoxyfenozide	I	24	25	6	0.002 - 0.008	0.004	3.0
7	**Cucumbers (12 pesticides)**							
	Azoxystrobin	F	14.6	754	110	0.002 - 0.039	0.007	0.3
	Bifenthrin *	I	9.8	754	74	0.005 - 0.085	0.015	0.4
	Boscalid	F	6.1	754	46	0.011 - 0.098	0.021	0.5
	Carbendazim (MBC) [1]	F	7.6	754	57	0.010 - 0.082	0.021	1.0
	Chlorothalonil	F	13.9	754	105	0.005 - 0.30	0.021	5.0
	Cyprodinil	F	6	754	45	0.005 - 0.055	0.017	0.70
	Dinotefuran *	I	7.2	754	54	0.010 - 0.27	0.033	0.5
	Flonicamid	I	8	754	60	0.012 - 0.30	0.065	1.5

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm	Mean of Detections, ppm	EPA Tolerance, ppm
Fluopicolide	F	8	754	60	0.010 - 0.11	0.021	0.50
Metalaxyl/Mefenoxam [7]	F	29.8	754	225	0.005 - 0.32	0.04	1.0
Propamocarb	F	43.9	189	83	0.010 - 0.58	0.121	1.5
Propamocarb hydrochloride [8]	F	49	565	277	0.011 - 0.78	0.13	1.5
Thiamethoxam *	I	9.8	754	74	0.010 - 0.25	0.031	0.2
8 Grapefruit (3 pesticides)							
Imazalil	F	79.8	704	562	0.001 - 0.11	0.021	10.0
Imidacloprid	I	13.5	704	95	0.003 - 0.039	0.007	0.70
Thiabendazole	F	69.6	704	490	0.002 - 0.15	0.032	10.0
9 Grapes (22 pesticides)							
Acetamiprid *	I	8.9	708	63	0.017 - 2.1	0.161	0.35
Boscalid	F	59.5	708	421	0.008 - 1.2	0.112	5.0
Buprofezin	I	10.5	707	74	0.005 - 0.30	0.022	2.5
Chlorantraniliprole	I	9.2	708	65	0.025 - 0.069	0.027	2.5
Cyprodinil	F	41.7	708	295	0.010 - 1.3	0.19	3.0
Difenoconazole	F	14.1	708	100	0.002 - 0.13	0.012	4.0
Etoxazole	A	6.4	708	45	0.002 - 0.074	0.007	0.50
Fenhexamid	F	35.4	706	250	0.008 - 0.69	0.134	4.0
Fenpropathrin	I	9.9	708	70	0.005 - 0.34	0.079	5.0
Fludioxonil	F	19.6	708	139	0.033 - 0.44	0.071	2.0
Imidacloprid	I	8.6	707	61	0.042 - 2.2	0.263	1.0
Iprodione	F	10.9	708	77	0.017 - 1.2	0.167	60.0
Methoxyfenozide	I	11.4	708	81	0.008 - 0.15	0.038	1.0
Myclobutanil	F	23.3	708	165	0.017 - 1.8	0.053	1.0
Pyraclostrobin	F	38	708	269	0.005 - 0.23	0.04	2.0
Pyrimethanil	F	12.6	708	89	0.008 - 1.6	0.387	5.0
Quinoxyfen	F	28	708	198	0.003 - 0.14	0.013	2.0
Spirotetramat	I	22.7	708	161	0.003 - 0.068	0.01	1.3
Tebuconazole	F	43.1	708	305	0.003 - 0.73	0.043	5.0
Tetraconazole	F	8.2	708	58	0.003 - 0.10	0.019	0.20
Trifloxystrobin	F	24.7	708	175	0.005 - 0.18	0.017	2.0
Triflumizole	F	5.1	708	36	0.002 - 0.015	0.004	2.5
10 Green Beans, Fresh (12 pesticides)							
Acephate (parent) *	I	9	567	51	0.031 - 1.7	0.291	3.0
Methamidophos [9] *	I	9.5	567	54	0.020 - 0.58	0.139	1
Azoxystrobin	F	26.5	567	150	0.001 - 0.47	0.028	3.0
Bifenthrin *	I	7.9	567	45	0.040 - 0.19	0.072	0.6
Boscalid	F	11.1	567	63	0.005 - 0.54	0.055	1.6
Chlorantraniliprole	I	11.5	567	65	0.001 - 0.051	0.009	2.0
Cyhalothrin, Total [2] *	I	6.4	535	34	0.008 - 0.15	0.033	0.20
Dicloran	F	6.7	567	38	0.011 - 15	1.849	20
Dimethoate	I	9.5	567	54	0.001 - 0.97	0.114	2.0
Methomyl	I	9	567	51	0.001 - 0.62	0.057	2
Penthiopyrad	F	6.7	567	38	0.001 - 0.25	0.024	4.0
Pyraclostrobin	F	17.5	567	99	0.001 - 0.54	0.027	0.5
Tebuconazole	F	7.1	567	40	0.001 - 0.080	0.02	0.1

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm	Mean of Detections, ppm	EPA Tolerance, ppm
11 Lettuce (14 pesticides)							
Acephate	I	5.2	756	39	0.003 - 0.14	0.014	10
Boscalid	F	6.9	756	52	0.003 - 0.063	0.009	11.0
Cyhalothrin, Total [2] *	I	10.2	756	77	0.005 - 0.59	0.071	2.0
DCPA	H	7.7	756	58	0.002 - 0.050	0.005	2.0
Dimethomorph	F	16.3	756	123	0.003 - 2.9	0.178	30.0
Fenamidone	F	13.1	756	99	0.005 - 2.5	0.181	60
Flonicamid	I	6.9	756	52	0.006 - 1.5	0.117	4.0
Imidacloprid	I	37.7	756	285	0.003 - 0.16	0.013	3.5
Mandipropamid	F	14.7	756	111	0.002 - 2.3	0.203	20
Metalaxyl/Mefenoxam [7]	F	6.1	756	46	0.001 - 0.017	0.005	5.0
Permethrin							
Permethrin cis [6]	IM	8.1	756	61	0.010 - 0.74	0.167	20
Permethrin trans [6]	IM	8.2	756	62	0.010 - 0.92	0.181	20
Propamocarb hydrochloride [8]	F	18.9	756	143	0.002 - 30	0.741	90
Spinetoram	I	8.1	756	61	0.003 - 0.20	0.024	8.0
Thiamethoxam *	I	18.1	756	137	0.003 - 0.22	0.011	4.0
12 Olives, Canned (2 pesticides)							
Buprofezin	I	14.3	189	27	0.001 - 0.073	0.021	3.5
Fenpropathrin	I	8.5	189	16	0.005 - 0.051	0.011	5.0
13 Oranges (3 pesticides)							
Imazalil	F	83.5	708	591	0.010 - 0.47	0.059	10.0
Pyrimethanil	F	5.8	708	41	0.003 - 0.065	0.019	10
Thiabendazole	F	74	708	524	0.010 - 0.42	0.053	10.0
14 Pears (20 pesticides)							
Acetamiprid *	I	14.4	706	102	0.017 - 0.35	0.06	1.0
Boscalid	F	22.5	707	159	0.008 - 0.24	0.073	3.0
Carbendazim (MBC) [1]	F	25.7	707	182	0.017 - 0.15	0.043	3.0
Chlorantraniliprole	I	12.9	706	91	0.025 - 0.083	0.03	1.2
Diphenylamine (DPA)	F	10.7	707	76	0.007 - 1.4	0.041	5.0
Ethoxyquin	P	26.3	707	186	0.010 - 1.5	0.212	3
Etoxazole	A	20.9	707	148	0.002 - 0.050	0.008	0.20
Fenbutatin oxide	I	10.7	707	76	0.017 - 0.39	0.121	15.0
Fenpyroximate	A	19.4	707	137	0.002 - 0.19	0.026	0.30
Fludioxonil	F	41.9	707	296	0.033 - 3.9	0.597	5.0
Imidacloprid	I	10.1	706	71	0.042 - 0.36	0.095	0.6
Novaluron	I	5.8	707	41	0.012 - 0.13	0.029	3.0
o-Phenylphenol	F	20.1	707	142	0.003 - 20	0.94	25.0
Pyraclostrobin	F	21.5	707	152	0.005 - 0.18	0.038	1.5
Pyridaben	I	6.1	707	43	0.003 - 0.10	0.015	0.75
Pyrimethanil	F	52.5	707	371	0.008 - 7.1	1.101	15
Spinetoram	I	5	707	35	0.033 - 0.080	0.035	0.20
Spirodiclofen	A	11.5	707	81	0.008 - 0.13	0.03	0.80
Spirotetramat	I	20.2	707	143	0.003 - 0.031	0.007	0.70
Thiabendazole	F	32.8	696	228	0.005 - 3.5	0.421	5.0

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm	Mean of Detections, ppm	EPA Tolerance, ppm
15 Potatoes (9 pesticides)							
Azoxystrobin	F	27.8	708	197	0.002 - 1.2	0.082	8.0
Boscalid	F	19.5	708	138	0.003 - 0.034	0.004	0.05
Chlorpropham	H	99.6	708	705	0.002 - 10	1.89	30
Clothianidin *	I	13.3	708	94	0.003 - 0.032	0.005	0.3
Difenoconazole	F	11.4	708	81	0.002 - 1.8	0.414	4.0
Fludioxonil	F	9.3	708	66	0.020 - 0.93	0.295	6.0
Imidacloprid	I	42.5	708	301	0.002 - 0.11	0.01	0.40
Metalaxyl/Mefenoxam [7]	F	7.6	708	54	0.002 - 0.017	0.004	0.5
Thiabendazole	F	6.6	708	47	0.002 - 3.1	0.269	10.0
16 Spinach (23 pesticides)							
Acetamiprid *	I	9.1	707	64	0.002 - 1.3	0.146	3.00
Ametoctradin	F	59.8	358	214	0.002 - 13	1.668	50.0
Azoxystrobin	F	5.2	707	37	0.002 - 4.4	0.446	30.0
Bifenthrin *	I	7.2	707	51	0.002 - 1.3	0.071	0.2
Boscalid	F	19.2	707	136	0.003 - 0.14	0.012	60
Chlorantraniliprole	I	32.8	707	232	0.003 - 9.3	0.397	13
Clothianidin *	I	37.9	707	268	0.003 - 0.64	0.075	3.0
Cyazofamid	F	9.2	707	65	0.020 - 2.0	0.494	10
Cypermethrin	I	20.2	707	143	0.037 - 4.0	0.406	10.00
DCPA	H	5.1	707	36	0.002 - 0.008	0.003	NT
Dimethomorph	F	34.2	707	242	0.002 - 4.4	0.278	30.0
Famoxadone	F	7.5	707	53	0.004 - 4.8	0.88	50
Fenamidone	F	27.9	707	197	0.004 - 6.6	0.529	60
Flonicamid	I	29.6	707	209	0.002 - 4.1	0.554	9.0
Fluopicolide	F	39	707	276	0.003 - 6.6	0.654	25
Imidacloprid	I	41.2	707	291	0.002 - 0.57	0.034	3.5
Mandipropamid	F	68	707	481	0.008 - 7.1	0.928	20
Methoxyfenozide	I	5.7	707	40	0.002 - 5.0	0.46	30
Permethrin							
Permethrin cis [6]	IM	69.7	707	493	0.002 - 4.3	0.797	20
Permethrin trans [6]	IM	71	707	502	0.002 - 5.9	0.848	20
Pyraclostrobin	F	10	707	71	0.002 - 1.7	0.22	29.0
Spinetoram	I	48.2	707	341	0.002 - 0.52	0.037	8.0
Spinosad (parent)	I	18.2	358	65	0.002 - 0.82	0.057	8.0
Spinosad A [4]	IM	11.2	349	39	0.006 - 1.6	0.137	8.0
Spinosad D [4]	IM	7.4	349	26	0.005 - 0.44	0.046	8.0
Thiamethoxam *	I	7.9	707	56	0.005 - 0.55	0.04	4.0
17 Strawberries (36 pesticides)							
Acetamiprid *	I	29.8	530	158	0.001 - 0.89	0.045	0.60
Azoxystrobin	F	16.6	530	88	0.001 - 0.64	0.061	10.0
Bifenazate	A	20.6	530	109	0.003 - 0.93	0.115	1.5
Bifenthrin *	I	25.5	530	135	0.003 - 0.29	0.043	3.0
Boscalid	F	54.3	530	288	0.003 - 1.2	0.072	4.5
Carbendazim (MBC) [1]	F	12.8	530	68	0.002 - 0.26	0.039	7.0
Chlorantraniliprole	I	10	530	53	0.005 - 0.16	0.032	1.0
Cyflufenamid	F	8.9	530	47	0.001 - 0.044	0.007	0.20

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm	Mean of Detections, ppm	EPA Tolerance, ppm
Cyflumetofen	A	23	530	122	0.003 - 0.55	0.053	0.60
Cyprodinil	F	50.2	530	266	0.005 - 1.7	0.159	5.0
Fenhexamid	F	22.6	530	120	0.010 - 0.97	0.163	3.0
Fenpropathrin	I	6.6	530	35	0.005 - 0.62	0.098	2.0
Fenpyroximate	A	6.2	530	33	0.002 - 0.15	0.015	1.0
Flonicamid	I	29.4	530	156	0.010 - 0.61	0.093	1.5
Fludioxonil	F	36.2	530	192	0.010 - 0.62	0.076	3.0
Fluopyram	F	9.1	530	48	0.002 - 0.41	0.097	2.0
Flupyradifurone	I	15.8	530	84	0.001 - 0.23	0.04	1.5
Fluxapyroxad	F	32.1	530	170	0.001 - 0.58	0.046	4.0
Hexythiazox	I	13	530	69	0.001 - 0.35	0.028	6
Imidacloprid	I	14.2	530	75	0.003 - 0.063	0.011	0.50
Malathion	I	6.2	530	33	0.003 - 0.068	0.018	8
Metalaxyl/Mefenoxam [7]	F	15.8	530	84	0.001 - 0.15	0.014	10.0
Myclobutanil	F	26.2	530	139	0.003 - 0.55	0.053	0.50
Novaluron	I	27.7	530	147	0.020 - 0.28	0.053	0.45
Penthiopyrad	F	27.7	530	147	0.001 - 0.74	0.116	3.0
Propiconazole	F	6.8	530	36	0.005 - 0.16	0.038	1.3
Pyraclostrobin	F	48.9	530	259	0.001 - 0.83	0.061	1.2
Pyrimethanil	F	24	530	127	0.005 - 2.3	0.286	3.0
Quinoxyfen	F	21.1	530	112	0.001 - 0.19	0.028	1.0
Spinetoram	I	8.7	530	46	0.010 - 0.12	0.027	0.90
Spiromesifen (parent)	I	6.4	530	34	0.003 - 0.27	0.086	2.0
Spiromesifen alcohol [10]	IM	13	530	69	0.001 - 0.16	0.032	2.0
Tetraconazole	F	7.7	530	41	0.005 - 0.12	0.03	0.25
Tetrahydrophthalimide (THPI) [3]	FM	51.3	530	272	0.022 - 3.1	0.507	20.0
Thiamethoxam *	I	16.4	530	87	0.001 - 0.12	0.015	0.30
Trifloxystrobin	F	11.9	530	63	0.002 - 0.14	0.036	1.5
Triflumizole	F	7.5	530	40	0.003 - 0.18	0.028	2.0
18 Sweet Potatoes (4 pesticides)							
Dicloran	F	27.8	532	148	0.026 - 3.5	0.521	10
Fludioxonil	F	23.9	532	127	0.067 - 0.70	0.225	6.0
Piperonyl butoxide	I	10	532	53	0.015 - 18	0.443	10
Thiabendazole	F	20.3	532	108	0.005 - 3.0	0.549	10
19 Tomatoes (22 pesticides)							
Acetamiprid *	I	8.9	528	47	0.002 - 0.076	0.007	0.20
Azoxystrobin	F	23.5	528	124	0.002 - 0.045	0.008	0.2
Bifenthrin *	I	15.9	528	84	0.002 - 0.069	0.011	0.15
Boscalid	F	27.8	528	147	0.003 - 0.089	0.014	3.0
Buprofezin	I	6.2	528	33	0.002 - 0.13	0.015	2.0
Chlorantraniliprole	I	21.6	528	114	0.003 - 0.056	0.009	1.4
Chlorpropham	H	8.1	528	43	0.002 - 0.015	0.003	NT
Clothianidin *	I	14.6	528	77	0.003 - 0.064	0.005	0.20
Difenoconazole	F	20.5	528	108	0.003 - 0.11	0.016	0.60
Dinotefuran *	I	11.9	528	63	0.010 - 0.14	0.025	0.7
Famoxadone	F	8.1	528	43	0.004 - 0.025	0.01	1.0
Flonicamid	I	24.4	528	129	0.002 - 0.23	0.031	0.40

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm	Mean of Detections, ppm	EPA Tolerance, ppm
Fluxapyroxad	F	7.8	528	41	0.002 - 0.044	0.007	0.7
Imidacloprid	I	23.3	528	123	0.002 - 0.11	0.011	1.0
Methoxyfenozide	I	9.8	528	52	0.002 - 0.028	0.006	2.0
Penthiopyrad	F	7.4	528	39	0.003 - 0.24	0.023	3.0
Pyraclostrobin	F	24.4	528	129	0.002 - 0.068	0.009	1.4
Pyrimethanil	F	14	528	74	0.002 - 0.13	0.016	0.50
Pyriproxyfen	I	8.3	528	44	0.004 - 0.024	0.008	0.80
Sulfoxaflor	I	13.6	528	72	0.002 - 0.091	0.015	0.70
Tetrahydrophthalimide (THPI) [3]	FM	7.9	470	37	0.006 - 0.089	0.023	0.05
Thiamethoxam *	I	5.5	528	29	0.008 - 0.028	0.011	0.25
20 Tomatoes, Canned (5 pesticides)							
Azoxystrobin	F	15.9	189	30	0.002 - 0.012	0.003	0.2
Bifenthrin *	I	16.9	189	32	0.002 - 0.015	0.003	0.15
Difenoconazole	F	6.3	189	12	0.004 - 0.017	0.007	0.60
Fluxapyroxad	F	13.2	189	25	0.002 - 0.009	0.004	0.7
Imidacloprid	I	27.5	189	52	0.002 - 0.016	0.004	1.0

NOTES

A Excludes environmental contaminants, which are listed in Appendix E.

NT No tolerance established.

* Residue may result from food handling establishment (FHE) application.

1 From parent, benomyl.

2 Includes cyhalothrin lambda plus R157836 epimer.

3 Metabolite of captafol and captan.

4 Isomer of parent, spinosad.

5 Metabolite of parent, dimethoate.

6 Isomer of parent, permethrin.

7 Metalaxyl/mefenoxam are spatial isomers which are analytically indistinguishable via multiresidue methods, but have separate registrations.

8 Analytically determined as the salt (hydrochloride).

9 Specific tolerance established for methamidophos in green beans as a possible result of an acephate application.

10 Metabolite of parent, spiromesifen.

Pesticide Types:

A = Acaricide

F = Fungicide, FM = Fungicide Metabolite

H = Herbicide

I = Insecticide, IM = Insecticide Metabolite

P = Plant Growth Regulator

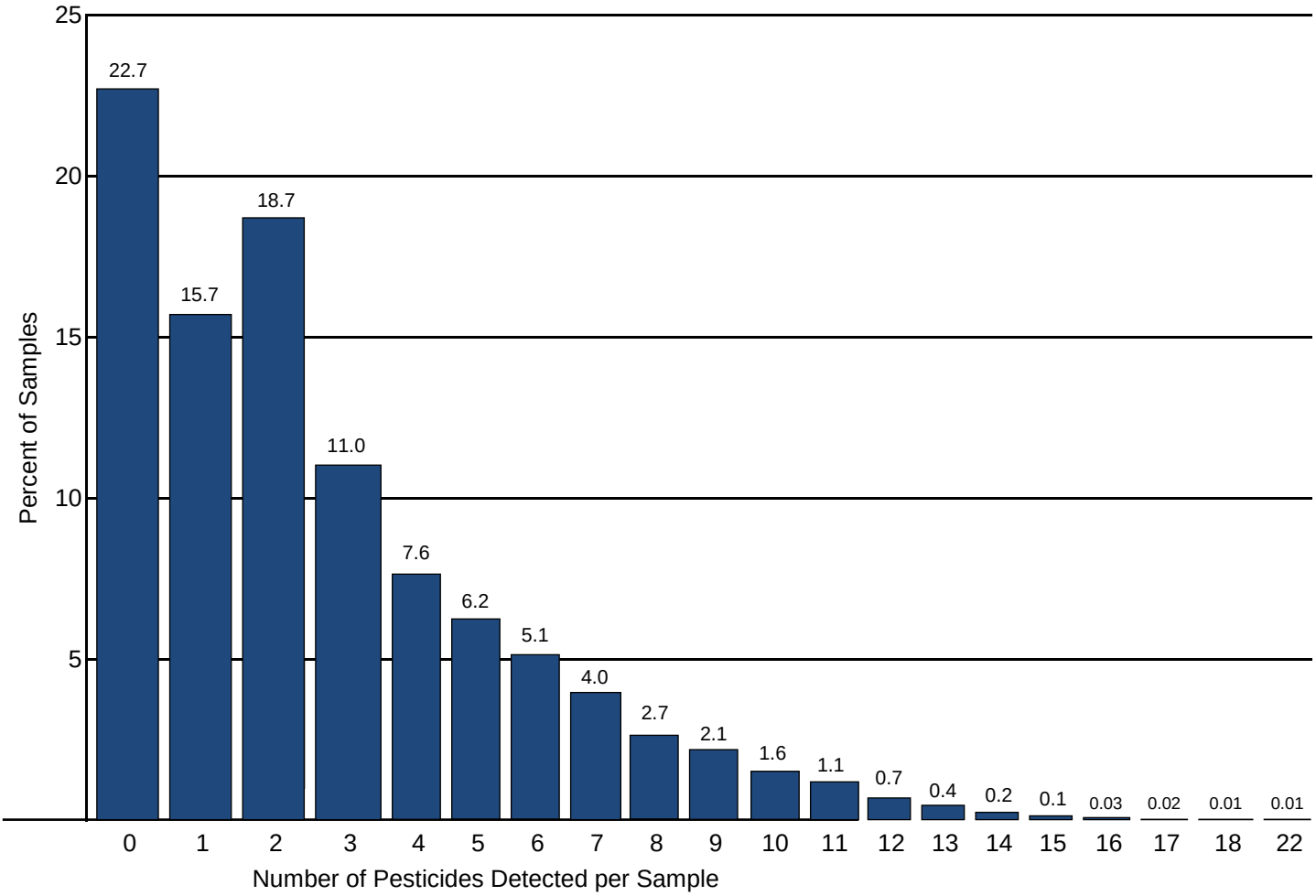
Appendix I

Number of Pesticides Detected per Sample

Appendix I shows the percentage of samples versus the number of pesticides detected per sample. 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 10,365 samples analyzed, 22.7 percent of the samples had no detectable pesticides, 15.7 percent had 1 pesticide, and 61.6 percent of the samples had more than 1 pesticide.

This appendix reports the number of distinct pesticides rather than residues. A parent compound and its metabolites are reported as a single pesticide.

APPENDIX I. NUMBER OF PESTICIDES [1] DETECTED PER SAMPLE



Number of Pesticides Detected per Sample

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	22
# of Samples	2,352	1,627	1,940	1,139	790	646	529	411	280	218	170	111	74	39	17	15	3	2	1	1
% of Total Samples	22.7	15.7	18.7	11.0	7.6	6.2	5.1	4.0	2.7	2.1	1.6	1.1	0.7	0.4	0.2	0.1	0.03	0.02	0.01	0.01

TOTAL NUMBER OF SAMPLES = 10,365

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

NOTES

[1] Environmental contaminants, listed in Appendix E, have been excluded from the count of pesticides detected in this appendix. Parent compounds and their metabolites are combined to report the number of "pesticides" rather than the number of "residues."

APPENDIX I. NUMBER OF PESTICIDES DETECTED PER SAMPLE

Commodity (# of samples)	Number of Pesticides [1] Detected per Sample																			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	22
Fresh Fruit and Vegetables:	Percent																			
Apples (531)	3.6	4.9	10.7	21.5	16.9	15.8	11.1	7.9	2.6	3.0	1.1	0.4	0.4	--	--	--	--	--	--	--
Cherries (30)	3.3	--	--	40.0	20.0	13.3	13.3	6.7	3.3	--	--	--	--	--	--	--	--	--	--	--
Cranberries (156)	49.4	33.3	14.7	2.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cucumbers (754)	17.1	21.0	21.8	19.0	13.4	4.6	2.3	0.8	0.1	--	--	--	--	--	--	--	--	--	--	--
Grapefruit (704)	6.7	27.7	49.6	13.1	2.1	0.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grapes (708)	5.9	6.4	7.1	12.7	13.1	13.3	13.0	11.3	6.1	5.2	3.1	1.7	0.8	--	0.1	0.1	--	--	--	--
Green Beans (567)	28.4	24.5	20.1	13.8	6.3	2.5	2.5	1.1	0.4	0.2	--	--	0.4	--	--	--	--	--	--	--
Lettuce (756)	19.6	31.0	18.8	10.6	5.3	4.5	3.6	2.9	1.7	0.9	0.8	0.3	--	0.1	--	--	--	--	--	--
Oranges (708)	8.1	21.6	62.9	7.1	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pears (707)	12.2	9.3	6.9	13.0	10.0	13.2	12.0	9.1	7.2	3.8	2.0	1.1	0.1	--	--	--	--	--	--	--
Potatoes (708)	0.3	19.4	36.0	22.7	12.3	6.8	2.4	0.1	--	--	--	--	--	--	--	--	--	--	--	--
Spinach (707)	5.2	5.7	5.5	7.4	10.3	10.9	11.6	9.1	8.8	6.6	6.4	5.1	3.0	2.1	0.7	1.3	0.1	0.1	0.1	--
Strawberries (530)	5.1	1.3	1.1	2.5	4.3	7.9	8.1	12.6	10.6	11.7	12.3	8.3	6.8	3.8	1.9	0.9	0.4	0.2	--	0.2
Sweet Potatoes (532)	41.7	32.5	22.6	3.0	--	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tomatoes (528)	9.7	12.9	13.6	15.7	12.9	11.0	9.3	4.5	5.3	2.5	0.9	0.4	0.6	0.6	0.2	--	--	--	--	--
Processed Fruit and Vegetables:																				
Applesauce (190)	5.8	3.2	9.5	20.0	28.4	18.4	10.0	4.7	--	--	--	--	--	--	--	--	--	--	--	--
Cherries, Frozen (144)	--	8.3	9.0	8.3	13.2	11.1	11.8	16.0	6.3	5.6	4.9	3.5	2.1	--	--	--	--	--	--	--
Cranberries, Frozen (25)	68.0	32.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Olives, Canned (189)	74.1	22.2	3.2	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tomatoes, Canned (189)	50.8	24.3	9.5	4.2	5.8	2.6	2.1	0.5	--	--	--	--	--	--	--	--	--	--	--	--
Percent of Total Samples	14.6	17.2	20.7	12.2	8.4	6.9	5.6	4.4	3.0	2.3	1.8	1.2	0.8	0.4	0.2	0.2	0.03	0.02	0.01	0.01
Actual Number of Samples	1,370	1,607	1,940	1,139	790	646	529	411	280	218	170	111	74	39	17	15	3	2	1	1

TOTAL NUMBER OF FRUIT & VEGETABLE SAMPLES = 9,363

Egg Product:																				
Eggs (294)	99.3	0.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Actual Number of Samples	292	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dairy Product:																				
Milk (708)	97.5	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Actual Number of Samples	690	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES

[1] Environmental contaminants, listed in Appendix E, have been excluded from the count of pesticides detected in this appendix. Parent compounds and their metabolites are combined to report the number of "pesticides" rather than the number of "residues."

Appendix J

Samples Reported to the U.S. Food and Drug Administration as Exceeding the Tolerance or Without Established Tolerance (per Code of Federal Regulations, Title 40, Part 180)

Appendix J shows pesticide residues reported to the U.S. Food and Drug Administration (FDA) as exceeding the tolerance or residues for which no established tolerance was listed under the Code of Federal Regulations, Title 40, Part 180. In 2016, a total of 318 samples with 358 pesticides were reported to the FDA as Presumptive Tolerance Violations.

Pesticides exceeding the tolerance were detected in 48 samples including 1 sample of fresh cherries, 11 samples of cucumbers, 6 grape samples, 3 samples of green beans, 16 samples of spinach, 3 strawberry samples, 5 samples of sweet potatoes, and 3 tomato samples. Of those 48 samples, 20 were reported as imported produce.

In addition, 273 samples were found to have pesticides for which no tolerance was established, including 256 fresh fruit and vegetable samples and 17 processed fruit/vegetable samples.

- 244 samples contained 1 pesticide for which no tolerance was established.
- 21 samples contained 2 pesticides for which no tolerance was established.
- 8 samples contained 3 pesticides for which no tolerance was established.

Three of the 273 samples also contained 1 pesticide each that exceeded an established tolerance.

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

Appendix J 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, the Pesticide Data Program accounted for both as part of the same tolerance expression.
A number of the findings shown in this appendix are less than 0.01 ppm. Levels below 0.01 ppm are deemed by the U.S. FDA to be “not of regulatory significance”.

APPENDIX J. 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

	Commodity / Pesticide	Limit of Detection, ppm	Concentration Detected, ppm	EPA Tolerance Level, ppm	Country of Origin
1	Cherries / Deltamethrin [1]	0.12	0.15	0.05	Chile
2	Cucumbers / Chlorfenapyr	0.005	0.051	0.01	Mexico
3	Cucumbers / Chlorfenapyr	0.005	0.043	0.01	Mexico
4	Cucumbers / Chlorfenapyr	0.005	0.042	0.01	Honduras
5	Cucumbers / Chlorfenapyr	0.005	0.038	0.01	Unknown
6	Cucumbers / Chlorfenapyr	0.005	0.037	0.01	Mexico
7	Cucumbers / Chlorfenapyr	0.005	0.036	0.01	Honduras
8	Cucumbers / Chlorfenapyr	0.005	0.031	0.01	U.S.
9	Cucumbers / Chlorfenapyr	0.005	0.027	0.01	Honduras
10	Cucumbers / Chlorfenapyr	0.005	0.027	0.01	Unknown
11	Cucumbers / Chlorfenapyr	0.005	0.026	0.01	Honduras
12	Cucumbers / Chlorfenapyr	0.005	0.021	0.01	Mexico
13	Grapes / Acetamiprid	0.01	2.1	0.35	Chile
14	Grapes / Acetamiprid	0.01	1.4	0.35	Chile
15	Grapes / Acetamiprid	0.01	0.43	0.35	Chile
16	Grapes / Acetamiprid	0.01	0.36	0.35	Chile
17	Grapes / Imidacloprid	0.025	2.2	1.0	Chile
18	Grapes / Myclobutanil	0.01	1.8	1.0	Peru
19	Green Beans / Chlorfenapyr	0.025	0.06	0.01	Mexico
20	Green Beans / Clothianidin	0.005	0.034	0.02	Guatemala
21	Green Beans / Dinotefuran	0.04	0.054	0.01	U.S.
22	Spinach / Bifenthrin	0.001	1.3	0.2	U.S.
23	Spinach / Bifenthrin	0.001	1.3	0.2	U.S.
24	Spinach / Bifenthrin	0.01	0.41	0.2	U.S.
25	Spinach / Cyhalothrin, Total [2]	0.015	0.48	0.01	U.S.
26	Spinach / Cyhalothrin, Total [2]	0.003	0.098	0.01	U.S.
27	Spinach / Cyhalothrin, Total [2]	0.015	0.082	0.01	U.S.
28	Spinach / Cyhalothrin, Total [2]	0.015	0.068	0.01	U.S.
29	Spinach / Cyhalothrin, Total [2]	0.003	0.052	0.01	U.S.
30	Spinach / Cyhalothrin, Total [2]	0.015	0.039	0.01	U.S.
31	Spinach / Cyhalothrin, Total [2]	0.015	0.033	0.01	U.S.
32	Spinach / Cyhalothrin, Total [2]	0.015	0.028	0.01	U.S.
33	Spinach / Cyhalothrin, Total [2]	0.015	0.022	0.01	U.S.
34	Spinach / Deltamethrin [1]	0.12	0.19	0.05	U.S.
35	Spinach / Deltamethrin [1]	0.12	0.18	0.05	U.S.
36	Spinach / Deltamethrin [1]	0.12	0.15	0.05	U.S.
37	Spinach / Deltamethrin [1]	0.12	0.12	0.05	U.S.
38	Strawberries / Acetamiprid	0.001	0.89	0.60	U.S.
39	Strawberries / Myclobutanil	0.003	0.55	0.50	U.S.

	Commodity / Pesticide	Limit of Detection, ppm	Concentration Detected, ppm	EPA Tolerance Level, ppm	Country of Origin
40	Strawberries / Myclobutanil	0.003	0.52	0.50	U.S.
41	Sweet Potatoes / Bifenthrin	0.01	0.088	0.05	U.S.
42	Sweet Potatoes / Bifenthrin	0.01	0.084	0.05	U.S.
43	Sweet Potatoes / Cyazofamid	0.02	0.054	0.02	U.S.
44	Sweet Potatoes / Deltamethrin [1]	0.12	0.13	0.04	U.S.
45	Sweet Potatoes / Piperonyl butoxide	0.015	18	10	U.S.
46	Tomatoes / Tetrahydrophthalimide (THPI) [3]	0.004	0.089	0.05	Mexico
47	Tomatoes / Tetrahydrophthalimide (THPI) [3]	0.004	0.087	0.05	Mexico
48	Tomatoes / Tetrahydrophthalimide (THPI) [3]	0.004	0.081	0.05	Mexico

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

Commodity / Pesticide	Number of Samples	Samples Reported	% of Samples	Range of Values Detected, ppm	Range of LODs, ppm	Sample Origin U.S.	Import	Unk.
1 Cherries, Frozen (5 pesticides)								
Imazalil	144	1	0.7	0.028 ^	0.005 ^	0	1	0
Linuron	144	1	0.7	0.026 ^	0.007 ^	0	1	0
Monocrotophos	144	1	0.7	0.037 ^	0.017 ^	0	1	0
Pirimicarb	144	1	0.7	0.011 ^	0.002 ^	0	1	0
Tebufenpyrad	144	1	0.7	0.007 ^	0.005 ^	0	1	0
2 Cranberries (1 pesticide)								
Chlorpropham	156	1	0.6	0.007 ^	0.005 ^	1	0	0
3 Cucumbers (5 pesticides)								
Chlorpropham	754	7	0.9	0.005 - 0.014	0.005 ^	3	3	1
Fenamiphos (parent) [4]								
Fenamiphos sulfone	754	8	1.1	0.005 - 0.026	0.005 ^	3	4	1
Fenamiphos sulfoxide	754	10	1.3	0.010 - 0.081	0.005 ^	4	5	1
Iprodione	754	1	0.1	0.022 ^	0.005 ^	0	1	0
Monocrotophos	754	1	0.1	0.081 ^	0.010 ^	0	1	0
Quintozene (PCNB)	754	1	0.1	0.005 ^	0.005 ^	0	1	0
4 Grapefruit (1 pesticide)								
Ametoctradin	704	1	0.1	0.017 ^	0.001 ^	1	0	0
5 Grapes (3 pesticides)								
Penconazole	708	4	0.6	0.007 - 0.037	0.004 ^	1	3	0
Permethrin Total	708	1	0.1	0.010 ^	0.006 ^	1	0	0
Triadimenol	708	4	0.6	0.017 - 0.42	0.010 ^	0	4	0
6 Green Beans (8 pesticides)								
Carbofuran (parent)	567	3	0.5	0.002 - 0.012	0.001 ^	0	3	0
3-Hydroxycarbofuran [5]	567	1	0.2	0.002 ^	0.002 ^	0	1	0
Difenoconazole	567	3	0.5	0.006 - 0.010	0.005 ^	1	2	0
Dimethomorph	567	1	0.2	0.004 ^	0.001 ^	0	1	0
Oxamyl	567	1	0.2	0.005 ^	0.002 ^	0	1	0
Permethrin Total	567	1	0.2	0.097 ^	0.040 ^	0	1	0
Propamocarb hydrochloride	567	13	2.3	0.001 - 0.14	0.001 ^	2	10	1
Pyrimethanil	567	2	0.4	0.004 - 0.32	0.001 ^	0	2	0
Trifloxystrobin	567	1	0.2	0.013 ^	0.001 ^	0	1	0
7 Lettuce (3 pesticides)								
Oxamyl (parent) [6]	756	1	0.1	0.017 ^	0.003 ^	0	0	1
Oxamyl oxime	756	1	0.1	0.006 ^	0.006 ^	0	0	1
Propiconazole	756	1	0.1	0.021 ^	0.010 ^	1	0	0
Trifluralin	756	2	0.3	0.001 - 0.002	0.001 ^	2	0	0

Commodity / Pesticide	Number of Samples	Samples Reported	% of Samples	Range of Values Detected, ppm	Range of LODs, ppm	Sample Origin U.S.	Import	Unk.
8 Olives, Canned (3 pesticides)								
Carbendazim (MBC) [7]	189	4	2.1	0.002 ^	0.001 ^	4	0	0
Fluridone	189	3	1.6	0.002 ^	0.001 ^	3	0	0
Tebuconazole	189	6	3.2	0.006 - 0.034	0.005 ^	5	1	0
9 Pears (1 pesticide)								
Imazalil	707	1	0.1	3.0 ^	0.003 ^	0	1	0
10 Potatoes (3 pesticides)								
Emamectin benzoate	708	1	0.1	0.002 ^	0.001 ^	1	0	0
Imazalil	708	1	0.1	0.004 ^	0.001 - 0.003	1	0	0
Norflurazon desmethyl	708	2	0.3	0.002 ^	0.001 ^	2	0	0
11 Spinach (20 pesticides)								
Carbendazim (MBC) [7]	707	1	0.1	0.004 ^	0.001 - 0.010	1	0	0
Chlorpropham	707	1	0.1	0.003 ^	0.001 - 0.020	1	0	0
DCPA	707	36	5.1	0.002 - 0.008	0.001 - 0.020	36	0	0
Dicloran	707	3	0.4	0.004 ^	0.002 - 0.020	3	0	0
Diflubenzuron	707	2	0.3	0.003 ^	0.002 - 0.080	2	0	0
Dimethoate (parent) [8]	707	1	0.1	0.010 ^	0.002 - 0.010	1	0	0
Omethoate	707	12	1.7	0.004 - 0.021	0.002 - 0.010	12	0	0
Etoxazole	358	1	0.3	0.002 ^	0.001 ^	1	0	0
Iprodione	707	2	0.3	0.015 - 0.042	0.009 - 0.030	2	0	0
Linuron	707	12	1.7	0.005 - 0.023	0.003 - 0.010	10	2	0
Metribuzin	707	1	0.1	0.037 ^	0.002 - 0.020	1	0	0
Oxyfluorfen	358	14	3.9	0.002 - 0.004	0.001 ^	14	0	0
Pendimethalin	707	18	2.5	0.002 - 0.011	0.001 - 0.035	15	3	0
Prometryn	358	14	3.9	0.002 - 0.007	0.001 ^	14	0	0
Pronamide	707	2	0.3	0.002 ^	0.001 - 0.015	2	0	0
Propamocarb hydrochloride	349	2	0.6	0.009 - 0.042	0.001 - 0.005	2	0	0
Pyrimethanil	707	1	0.1	0.002 ^	0.001 - 0.005	1	0	0
Quinoxyfen	358	2	0.6	0.002 ^	0.001 ^	2	0	0
Quintozene - PCNB (parent) [9]	707	1	0.1	0.002 ^	0.001 - 0.025	1	0	0
Pentachloroaniline (PCA)	707	4	0.6	0.002 - 0.005	0.001 - 0.005	4	0	0
Tetraconazole	358	6	1.7	0.002 - 0.006	0.001 ^	6	0	0
Trifluralin	707	3	0.4	0.002 - 0.025	0.001 - 0.010	3	0	0
12 Strawberries (13 pesticides)								
Chlorothalonil	472	1	0.2	0.053 ^	0.005 ^	0	1	0
Chlorpropham	530	2	0.4	0.003 - 0.009	0.003 ^	2	0	0
Clofentezine	530	1	0.2	0.056 ^	0.005 ^	0	1	0
Fenazaquin	530	1	0.2	0.11 ^	0.001 ^	0	1	0
Fluopicolide	530	7	1.3	0.001 - 0.010	0.001 ^	7	0	0
Methomyl	530	2	0.4	0.016 - 0.11	0.010 ^	2	0	0
Monocrotophos	530	2	0.4	0.003 - 0.18	0.003 ^	0	2	0
Norflurazon desmethyl	530	1	0.2	0.003 ^	0.003 ^	1	0	0
Propamocarb	530	2	0.4	0.002 - 0.006	0.001 ^	2	0	0
Propargite	530	2	0.4	0.076 - 0.089	0.001 ^	0	2	0
Spirodiclofen	530	2	0.4	0.098 - 0.28	0.003 ^	0	2	0

Commodity / Pesticide	Number of Samples	Samples Reported	% of Samples	Range of Values Detected, ppm	Range of LODs, ppm	Sample Origin U.S.	Import	Unk.
Tebuconazole	530	1	0.2	0.028 ^	0.005 ^	1	0	0
Trichlorfon	530	3	0.6	0.004 - 0.009	0.003 ^	2	1	0
13 Sweet Potatoes (2 pesticides)								
Chlorpropham	532	4	0.8	0.020 - 0.038	0.020 ^	4	0	0
Permethrin (parent) [10]								
Permethrin cis	532	4	0.8	0.020 - 0.19	0.020 ^	4	0	0
Permethrin trans	532	7	1.3	0.013 - 0.28	0.010 ^	7	0	0
14 Tomatoes (4 pesticides)								
Carbendazim (MBC) [7]	509	5	1	0.002 - 0.028	0.001 ^	1	4	0
Chlorpropham	528	43	8.1	0.002 - 0.015	0.001 ^	8	35	0
Fluazifop butyl	528	1	0.2	0.002 ^	0.001 ^	1	0	0
Thiabendazole	528	1	0.2	0.002 ^	0.001 ^	1	0	0

NOTES

1 Deltamethrin includes parent Tralomethrin.
2 Includes cyhalothrin lambda plus R157836 epimer.
3 Tetrahydrophthalimide (THPI) is a metabolite of Captafol and Captan.
4 Eight cucumber samples contained both the sulfone and sulfoxide metabolites of Fenamiphos.
5 One green bean sample contained both Carbofuran and its 3-Hydroxycarbofuran metabolite.
6 One lettuce sample contained both Oxamyl and its oxime metabolite.
7 Carbendazim (MBC) is a metabolite of Benomyl and Thiophanate methyl.
8 Omethoate is a metabolite of the parent, Dimethoate. No samples contained both the parent and its metabolite.
9 Pentachloroaniline (PCA) is a metabolite of the parent, Quintozene. No samples contained both the parent and its metabolite.
10 Four sweet potato samples contained both the cis and trans permethrin isomers.

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 2016

Your satisfaction is very important to us, and we welcome your comments and suggestions. Thank you for taking time to fill out and return this card.

How would you rate this document on:	**Good**	**Fair**	**Poor**
Visual Presentation?	☐	☐	☐
Ease of Readability?	☐	☐	☐
Information Provided?	☐	☐	☐

Comments/ Suggestions: (Attach additional pages if needed)

_____

_____

_____

_____

_____

_____

How did you obtain this copy? _____

Would you like additional copies? (limit 10 per person, 25 per organization)

Requested _____

Mailing Address _____

_____

_____

_____

Mail or Fax to: USDA-AMS-S&T-Monitoring Programs Division
1400 Independence Ave, SW
Room 0611-S, Stop 0276
Facsimile: 202-572-8177

Electronic Mail: amsmpo.data@ams.usda.gov