Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE

Agricultural Marketing Service

Science and Technology Program

Pesticide Data Program

Annual Summary, Calendar Year 2021

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

December 2022

December 2022

Dear Reader:

We are pleased to present the Pesticide Data Program's (PDP's) 31st Annual Summary for calendar year 2021. The 31 years of PDP residue data (available through our website) represent one of the largest sources of food pesticide residue data available.

The U.S. Department of Agriculture (USDA), Agricultural Marketing Service (AMS) conducts the PDP each year to collect new/updated data on pesticide residues in food. This Annual Summary report shows that when pesticide residues are found on foods, they are nearly always at levels below the tolerance or maximum amount of a pesticide allowed to remain in or on a food, that is set by the U.S. Environmental Protection Agency (EPA).

The PDP provides high-quality, nationally representative pesticide residue data that contribute to the information available to help ensure consumer confidence in the foods they provide to their families. More than 99 percent of the products sampled through PDP had residues below the established EPA tolerances. Ultimately, if EPA determines a pesticide use is not safe for human consumption, EPA will mitigate exposure to the pesticide through actions such as amending the pesticide label instructions or changing or revoking a pesticide residue tolerance, or not registering a new use.

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 review the maximum amount of a pesticide allowed to remain in or on a food. USDA uses the data to better understand the relationship of pesticide residues to agricultural practices and to implement USDA's Integrated Pest Management objectives. USDA also works with U.S. growers to improve agricultural practices and to facilitate the adoption of integrated pest management techniques, including judicious use of pesticides, throughout the food supply chain.

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. The 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.

To collect the data in this Annual Summary report, the PDP works with State agencies representing all census regions of the country and nearly half of the U.S. population. In 2021, analyzed samples were collected in California, Colorado, Florida, Maryland, Michigan, New York, Ohio, Texas, and Washington.

For more information about PDP, please visit our website at https://www.ams.usda.gov/datasets/pdp. For additional 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/Chemicals-Metals-Pesticides-Food/Pesticides.

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

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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 for Food Safety and Applied 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, AMS
(202) 720-8556

Brenda Foos, Director
Monitoring Programs Division, AMS
1400 Independence Ave, SW
South Building, Mail Stop 0276
Washington, DC 20250
(202) 572-8167

Electronic-mail Address:

amsmpo.data@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
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
1220 Washington Ave, Bldg. 6
Albany, NY 12226

Ohio Department of Agriculture
Consumer Protection 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, and Congress mandated the program in the 1996 Food Quality Protection Act (FQPA). PDP provides high-quality data on pesticide residues in food, particularly foods most likely consumed by infants and children. This 31st Pesticide Data Program summary presents results for samples collected in 2021.

Before a company can sell or distribute any pesticide in the United States, the Environmental Protection Agency (EPA) reviews studies on the pesticide to ensure that it will not pose unreasonable risks to human health or the environment, while considering the economic, social, and environmental costs and benefits of the use of any pesticide. 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. In setting the tolerance, or maximum residue limit in food, EPA makes a safety finding that the pesticide can be used with a reasonable certainty of no harm by considering the toxicity of the pesticide, how much of the pesticide is applied and how often, how much of the pesticide remains in or on food by the time it is marketed and prepared, and all possible routes of exposure including use on crops, exposure from drinking water, and residential exposure. EPA also sets standards to protect workers from exposure to pesticides on the job.

PDP data are provided to EPA for its consideration in setting and reviewing tolerances. FDA monitors food in interstate commerce to ensure that these limits are not exceeded.

AMS's Monitoring Programs Division (MPD) is responsible for the administration, planning, and coordination of day-to-day PDP operations. MPD regularly engages with EPA and other Government agencies to establish program priorities and direction. In 2021, sampling and/or testing program operations were carried out with the support of 9 States: California, Colorado, Florida, Maryland, Michigan, New York, 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 the types and amounts of food consumed by infants and children are considered. The number of samples collected by each State 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 94 percent of the total 10,127 samples collected in 2021. Fresh and processed fruit and vegetables tested during 2021 were: blueberries (fresh and frozen), broccoli, cantaloupe, carrots, cauliflower, celery, eggplant, grape juice, green beans, peaches (fresh and frozen), pears, plums, summer squash, sweet bell peppers, tangerines, watermelon, and winter squash. Corn grain and butter were also tested during 2021, accounting for 4.1 and 1.7 percent of the samples collected in 2021, respectively. Domestic samples accounted for 67.8 percent of the samples, while 30.8 percent were imports, 0.9 percent were of mixed national origin, and 0.5 percent were of unknown origin.

COVID-19-related closures disrupted PDP sampling in the early months of 2021, which may have impacted the seasonal observations within the data this year. Specific COVID-19-related sampling information can be found in Section II. Sampling Operations. COVID-19-related delays also occurred in PDP laboratory operations in 2021, and more details on the affected samples can be found in Section III. Laboratory Operations.

Because PDP data are used for risk assessments, PDP laboratory methods are geared to detect very low 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 to 20 seconds with gently running cold water as a consumer may do; no chemicals, soaps, or any special washes were used.

This summary report includes the distribution of residues by pesticide. The full results for more than 2.7 million analyses, representing each pesticide monitored on each commodity, are too numerous to be included in their entirety in this summary. The complete PDP database file for 2021 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 at amsmpo.data@usda.gov. PDP data are also available using the PDP database search tool that can be accessed at: https://apps.ams.usda.gov/pdp.

In 2021, over 99 percent of the samples tested had residues below the tolerances established by the EPA with 24.0 percent having no detectable residue. Appendixes B, C, and D provide a distribution of residues by pesticide for the commodities tested. Residues exceeding the tolerance were detected in 0.53 percent (54 samples) of the total samples tested (10,127 samples). Of these 54 samples, 29 were domestic (53.7 percent), 24 were imported (44.4 percent), and 1 was of unknown origin (1.9 percent). Residues with no established tolerance were found in 3.7 percent (374 samples) of the total samples tested (10,127 samples). Of these 374 samples, 220 were domestic (58.8 percent), 150 were imported (40.1 percent), and 4 were of unknown origin (1.1 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 of presumptive tolerance violations if detected residues exceed the EPA tolerance or if residues are detected that have no EPA tolerance established.

PDP laboratories also test foods for low levels of environmental contaminants that are no longer used as pesticides 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 Section V. Sample Results and Discussion.

Acronyms and Abbreviations

% C.V.	Percent Coefficient of Variation
A2LA	American Association for Laboratory Accreditation
AL	Action Level
AMPA	Aminomethylphosphonic Acid
AMS	Agricultural Marketing Service
BQL	Below Quantifiable Level
CFR	Code of Federal Regulations
CSV	Comma-Separated Values
EPA	U.S. Environmental Protection Agency
e-SIF	Electronic Sample Information Form
FAO	Food and Agriculture Organizations of the United Nations
FAPAS	Food Analysis Performance Assessment Scheme
FDA	U.S. Food and Drug Administration
FGIS	Federal Grain Inspection Service
FQPA	Food Quality Protection Act
GEMS	Global Environmental Monitoring Systems – Food Contamination Monitoring and Assessment Programme
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
MRL	Maximum Residue Limit
MRM	Multiresidue Method
MS	Mass Spectrometry

NASS	National Agricultural Statistics Service
NGS	National Grain Center
NSL	National Science Laboratories
PDP	Pesticide Data Program
POP	Persistent Organic Pollutants
PPS	Probability proportionate-to-size
PT	Proficiency Testing
PTV	Presumptive Tolerance Violation
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
WHO	World Health Organization

Pesticide Data Program (PDP)
Annual Summary, Calendar Year 2021

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

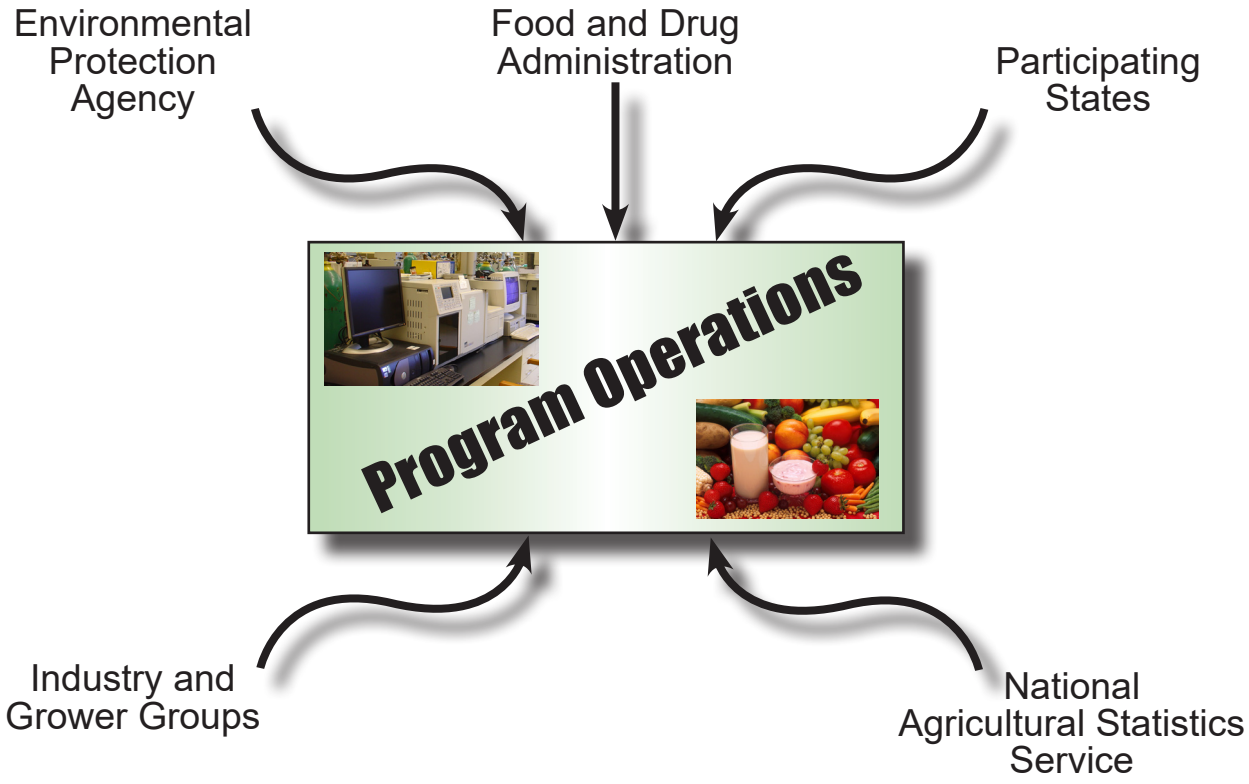
I. Introduction

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 (also referred to as maximum residue limits in other countries). 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 populations 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 disruption. PDP data also are used by the U.S. Food and Drug Administration (FDA) to assist in planning commodity surveys for pesticide residues as a part of its enforcement and regulatory programs.

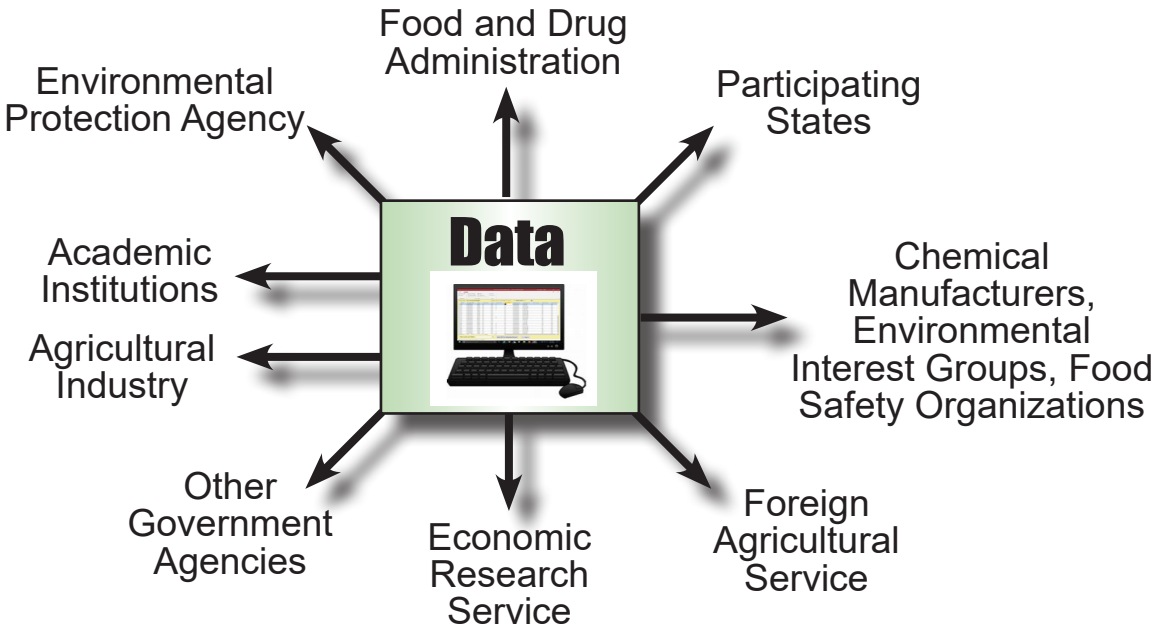
Because PDP collects data on food commodities primarily for consumer exposure assessment, program operations differ markedly from those followed by regulatory monitoring programs for tolerance enforcement. Commodities chosen for inclusion in the program are based on EPA data needs. PDP samples are collected closer to the point of consumption and are prepared emulating consumer practices (e.g., washing, peeling). PDP sampling does not impede commodity distribution. Laboratory operations are designed to achieve detection of low levels rather than quick sample turnaround. As PDP data are used in dietary risk assessment, the program prioritizes testing for pesticides with 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 that are imported to the United States.

Primary contributors to PDP's policy development and planning of operations include the participating States, other government agencies, and program stakeholders (Figure 1(a)), while primary data users include EPA, FDA, and a wide range of other agencies and groups (Figure 1(b)). Federal, State, and foreign government agencies and industries have used PDP data to promote the export of U.S. commodities to international markets. Additionally, PDP methodologies are consistent with international guidelines that have been adopted by the Codex Committee on Pesticide Residues for good laboratory practices (CAC/GL 40-1993), performance criteria for methods of analysis (CXG 90-2017), and use of mass spectrometry (CAC/GL 56-2005). PDP monitoring data are also incorporated into the World Health Organization's (WHO) Global Environment Monitoring System - Food Contamination Monitoring and Assessment Programme (GEMS/Food), a data platform used by the Joint Food and Agriculture Organization of the United Nations (FAO)/WHO Meeting on Pesticide Residues to evaluate dietary exposure and recommend the establishment of pesticide maximum residue limits (MRLs) to the Codex Committee on Pesticide Residues.

In 2021, sampling services were provided by nine States (California, Colorado, Florida, Maryland, Michigan, New York, Ohio, Texas, and Washington; see Figure 2). Laboratory services were provided by the States of California, Florida, Michigan, New York, Ohio, Texas, and Washington, along with the USDA National Science Laboratories (NSL). Together, these States represent nearly 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.



(a) PDP Policy and Planning Contributors



(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.*

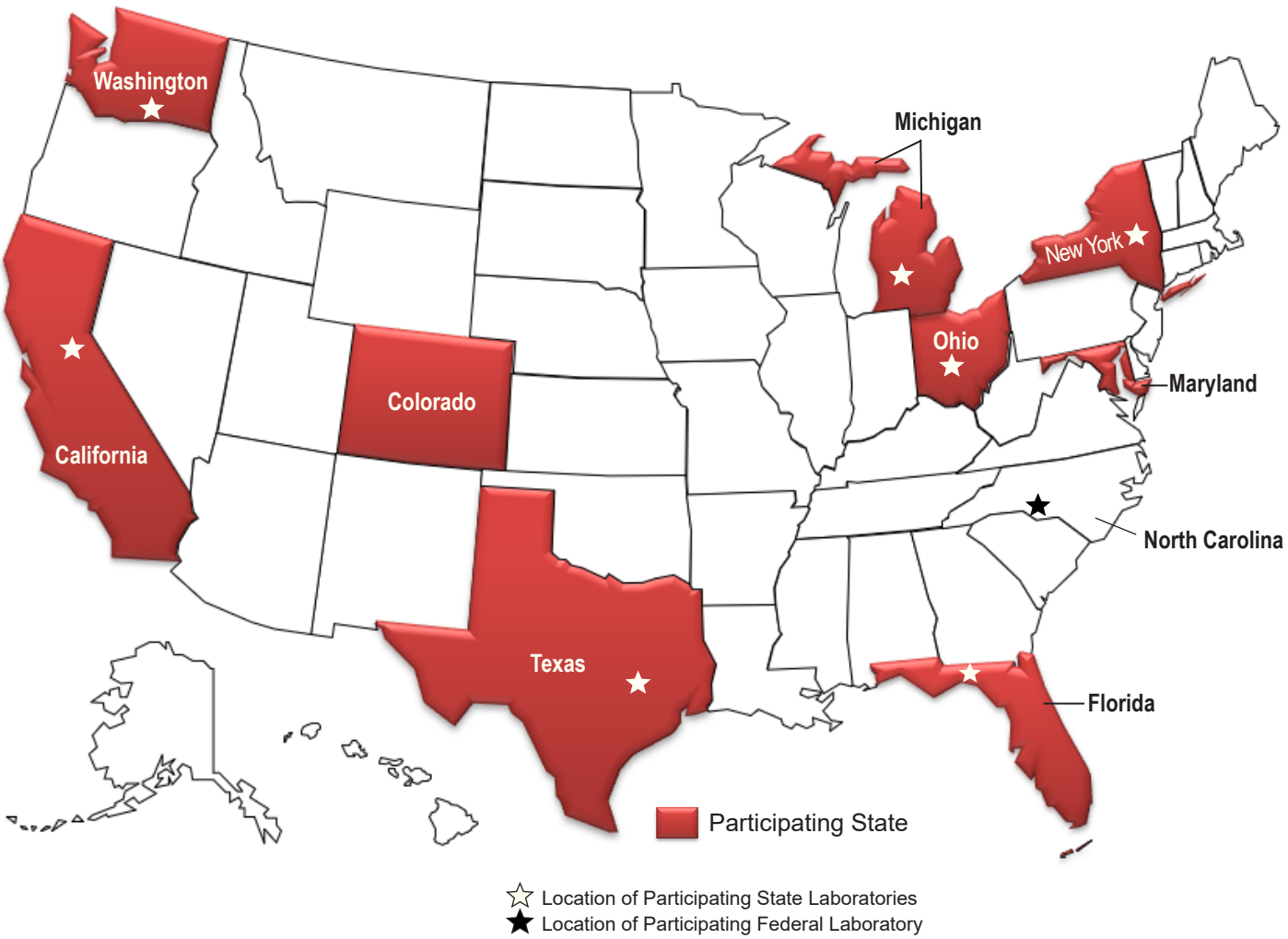


Figure 2. Program Participants. *During 2021, USDA's Agricultural Marketing Service established cooperative agreements with nine States to sample and/or test Pesticide Data Program commodities. Together, these States represent about 50 percent of the Nation's population and all four census regions of 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 National Science Laboratory in Gastonia, NC, was responsible for anylyzing field corn grain.*

The AMS Monitoring Programs Division (MPD) is responsible for overall management of PDP, including cooperative agreements with the States, sampling and laboratory testing approaches, and data management and analysis. Each year, MPD works closely with EPA and FDA to select commodities and pesticides for testing; both commodities and pesticides are prioritized by PDP based on EPA and/or FDA data needs. Typically, the selected commodities represent the highest U.S. consumption rates, with an emphasis on foods consumed by infants and children. Due to budget limitations, the high consumption commodities are cycled through the program approximately every 5 years rather than tested continuously. Specialized commodities (e.g., fresh herbs) are added to the rotation as data are needed. Fresh fruit and vegetable commodities remain in the program for 2 years to consider two full growing seasons, thereby capturing any changes due to seasonality or year-to-year variations. Processed products, as well as dairy, fish, and grains, are typically tested for 1 full year. All commodity rotations are provided in the PDP Program Plans prior to the start of sampling and are shown in Table 1 for 2021. A total of 127 commodities have been tested by PDP from the beginning of the program (in 1991) through 2022 (Appendix A).[1]

[1] The U.S. National Residue Program (NRP) administered by the U.S. Department of Agriculture's (USDA), Food Safety and Inspection Service (FSIS) monitors pesticide residues for meat, poultry, and egg products.

Fruit and vegetable samples are collected at terminal markets[2] and 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 considers 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 2021, 487 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.

Pesticides prioritized for screening 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/updated residue data. PDP may also monitor 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. Appendixes B, C, and D list the specific pesticides tested in the fruit and vegetable, corn grain, and butter samples, respectively. 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

A. 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.

Nine States currently participate in PDP – California, Colorado, Florida, Maryland, Michigan, New York, 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, and 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. 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 the foods that compose the diets of 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 by each State (for more detail, see the 2021 Sampling Operations later in this section). PDP sampling operations may be adjusted according

[2] 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.

to product availability. For example, plums, tangerines, 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., peaches).

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 2021, 487 sites granted access to sample collectors. The States provide AMS and the USDA, National Agricultural Statistics Service (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 weigh 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.

B. 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/datasets/pdp/pdp-standard-operating-procedures. 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 for shipment to the laboratory. 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 grape juice are often shipped by ground transportation to reduce shipping costs. Corn grain samples are collected in pesticide-free polyethylene bags and shipped in canvas pouches or boxes by ground transportation to the laboratory where the samples are refrigerated pending analysis.

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 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 are typically 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. In 2021, PDP State participants donated over 50,000 pounds of food to local charities.

C. 2021 Sampling Operations

The number of fruit, vegetable, and dairy samples collected in each participating State is determined by State population. The monthly collection schedule for all 2021 commodities is shown in Table 1; however, not all samples scheduled were collected due to the Coronavirus COVID-19 pandemic. California suspended sample collection in December 2020 and the State did not collect its 14 samples for any commodities for January and February 2021. California resumed partial sample collection on March 8 and collected all scheduled samples for 10 commodities that month.

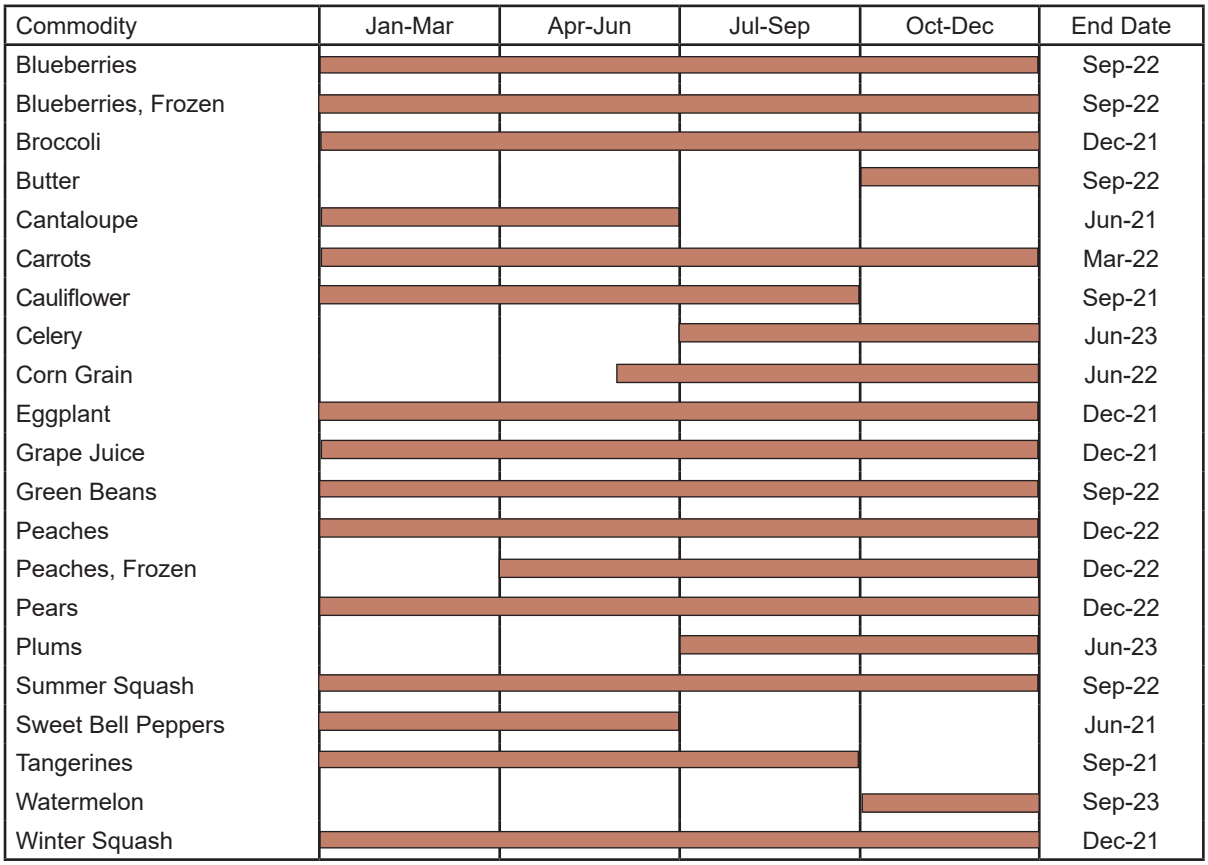


Table 1. Pesticide Data Program (PDP) Commodity Collection Schedule for 2021. *Samples are most often collected for a 2-year time period. Commodities are initiated or terminated in different quarters of the year so that new commodities are not brought into the program all at the same time. This table illustrates time ranges for the listed commodities. See Appendix A for the complete PDP commodity history (May 1991 through December 2022).*

However, sample collection of peaches, pears, tangerines, and winter squash did not resume until April. California started collecting make-up samples in July. Make-up samples of cantaloupe and sweet bell peppers were not collected, as those commodities rotated out of the program before the make-up sampling began in July. While yearly minimum sample targets were met (minimum 600 samples per commodity), results could potentially have been impacted by interruptions to the 2021 sampling schedule.

The total number of samples collected in each State for each commodity is listed in Table 2. 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 2021, excluding corn grain, 6.6 percent of the tested samples were organic (643 of 9,709); summaries of findings by claim may be found by using the online PDP Database search tool at https://apps.ams.usda.gov/pdp.

State population figures are used to assign the number of fruit, vegetable, and dairy samples scheduled for collection each month. During 2021, 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.

In 2021, fruit, vegetable, and dairy samples were randomly collected by trained State inspectors at terminal markets and large chain store distribution centers throughout the country. Surrogate or "proxy" sites (retail markets) are 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 to eliminate possible contamination by the consumer and to allow capture of sample information from product boxes. In 2021, 30.9 percent of fresh and processed samples were collected at proxy sites. The commodities most often collected at these facilities were frozen peaches, grape juice, and butter.

Corn grain samples were collected at random from trucks, hopper cars, and barges by trained USDA Federal Grain Inspection Service (FGIS) inspectors.

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. A graphic example of this variation can be found in Figure 4, where differences in origin (domestic versus import) are depicted by month for blueberries, eggplant, and winter squash samples.

Fresh and processed fruit, vegetable, and dairy samples originated from 42 States and 26 foreign countries (refer to Appendix F). Corn grain samples are excluded from Appendix F because this commodity relies on a different sampling frame.

D. Fresh and Processed Commodities

Of all samples collected and analyzed in 2021, 94 percent (9,532 of 10,127) were fruit and vegetables, including fresh and processed products. The fresh commodities collected for PDP were blueberries, broccoli, cantaloupe, carrots, cauliflower, celery, eggplant, green beans, peaches, pears, plums, summer squash, sweet bell peppers, tangerines (mandarins), watermelon, and winter squash. The processed commodities included frozen blueberries, grape juice, and frozen peaches.

Fresh and frozen fruit and vegetable samples weighed either 3 or 5 pounds, except for blueberries where the sample size was 1 pound. Three pounds were collected for smaller, low-weight commodities such as green beans and tangerines (mandarins), and 5 pounds were collected for larger, high-weight commodities such as broccoli and watermelon. For processed commodities, a sample size of 1 quart (32 ounces) was collected for grape juice.

E. Corn Grain

In 2021, trained FGIS inspectors collected 418 corn grain samples for PDP. Samples were drawn from

State	BB	BR	CE	CF	CN	CR	EP	GB	PC	PE	PP	PU	SS	TA	WM	WS	Total Fresh
California	148	156	78	117	52	156	156	156	113	156	52	60	154	116	39	156	1,865
Colorado	22	24	12	18	12	24	23	24	15	24	12	10	24	18	6	24	292
Florida	83	84	42	63	42	84	84	83	66	84	42	36	83	64	21	84	1,045
Maryland	48	48	24	36	24	48	48	48	40	48	24	22	47	36	12	48	601
Michigan	70	72	36	54	36	72	72	66	43	72	36	26	66	54	18	72	865
New York	106	108	54	81	54	108	108	109	90	108	54	44	110	81	26	108	1,349
Ohio	72	72	36	54	36	72	72	72	55	72	36	26	72	54	18	71	890
Texas	95	96	48	72	48	96	93	96	71	95	48	35	96	72	24	95	1,180
Washington	48	48	24	36	24	48	47	46	25	48	24	18	46	36	11	48	577
TOTAL	692	708	354	531	328	708	703	700	518	707	328	277	698	531	175	706	8,664

State	BZ	GJ	HZ	Total Processed	Total Fresh & Proccessed F&V	Dairy BU
California	8	156	42	206	2,071	39
Colorado		24	8	32	324	6
Florida	1	83	18	102	1,147	21
Maryland		50	3	53	654	12
Michigan	2	66	29	97	962	18
New York	2	108	18	128	1,477	27
Ohio		72	17	89	979	18
Texas	1	96	7	104	1,284	24
Washington		45	12	57	634	12
TOTAL	14	700	54	868	9,532	177

Commodity Legend	
BB = Blueberries, Fresh	GJ = Grape Juice
BR = Broccoli	HZ = Peaches, Frozen
BU = Butter	PC = Peaches, Fresh
BZ = Blueberries, Frozen	PE = Pears
CE = Celery	PP = Sweet Bell Peppers
CF = Cauliflower	PU = Plums
CN = Cantaloupe	SS = Summer Squash
CR = Carrots	TA = Tangerines
EP = Eggplant	WM = Watermelon
GB = Green Beans	WS = Winter Squash

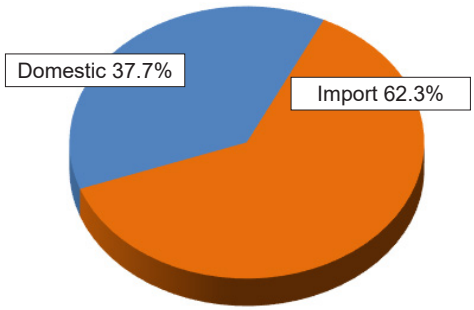
Table 2. Distribution of Samples Collected by Each Participating State. *This table includes those commodities collected at terminal markets, distribution centers, and retail markets.*

Commodity	Acceptable Products
Blueberries	Any fresh, whole blueberry; cultivated (Highbush) or wild (Lowbush). Fresh are preferred, but frozen are acceptable.
Blueberries, Frozen	Frozen blueberries; cultivated (Highbush) or wild (Lowbush). Individually quick frozen (IQF) or frozen in own juices. Fresh are preferred, but frozen are acceptable.
Broccoli	Fresh broccoli. Broccoli crowns (bunch with top florets plus a little of the stem) are preferred. Broccoli with stems (bunch with top florets plus a lot of the stem) is acceptable if broccoli crowns are not available.
Butter	Salted or unsalted sweet butter in cubes or sticks.
Cantaloupe	Whole, fresh cantaloupe.
Carrots	Fresh, whole carrots, with or without tops.
Cauliflower	Any fresh whole cauliflower. White in color.
Celery	Fresh, whole celery.
Corn Grain	Corn grain from domestic lots representing trucks, hopper cars, and barges.
Eggplant	Whole, fresh eggplant. Traditional types that are oval or pear in shape with a black, purplish-black, or purple skin color.
Grape Juice	100% Grape juice. Concord, red, or white grape juice. Domestic or import. Added nutritional ingredients such as citric acid and ascorbic acid. Organic or conventional. Ready-to-serve (RTS). Single strength (grape juice may have been reconstituted from concentrate). Shelf-stable or refrigerated. Individual single-serving boxes with the same lot number.
Green Beans	Fresh green string beans. Whole or pre-cut.
Peaches	Fresh whole peaches. Red or white. Clingstone, freestone, or semi-freestone. Attempt to select peaches that are not overly ripe or soft to the touch.
Peaches, Frozen	Frozen peaches; whole, halved, sliced, or cut. Fresh are preferred, but frozen are acceptable when fresh are unavailable.
Pears	Fresh whole pears.
Plums	Fresh whole plums. Any color is acceptable. Hybrids of plums with apricots, such as plumcots, pluots, or dinosaur eggs (this includes interspecific plums with a PLU of 3278).
Summer Squash	Fresh whole zucchini, yellow squash, or crookneck squash.
Sweet Bell Peppers	Whole, fresh bell peppers. Colors may include, but are not limited to: green, orange, purple, red, or yellow.
Tangerines	Any fresh, whole tangerine (mandarin or mandarin orange). Clementine, Minneola, Mediterranean mandarin, Satsuma mandarin, or tangelo.
Watermelon	Fresh whole watermelon, including seeded and seedless varieties. Watermelon cut into halves or quarters or sliced watermelon with rind ONLY if whole is not available.
Winter Squash	Whole winter squash varieties include but are not limited to: Acorn, banana, Boston marrow, buttercup, butternut, Hubbard, kabocha, and spaghetti.

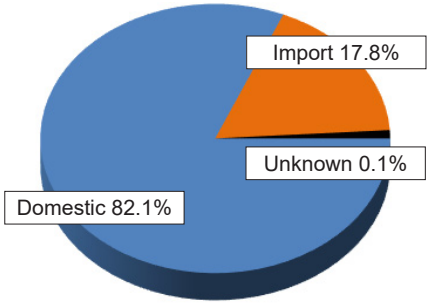
Table 3. Acceptable Products for Collected Commodities. *This table lists the acceptable products for each collected commodity as seen on the Commodity Fact Sheets provided to sample collectors. For all commodities, domestic or imported and organically grown or conventionally grown products are acceptable.*

A. Fresh Fruit and Vegetable Samples

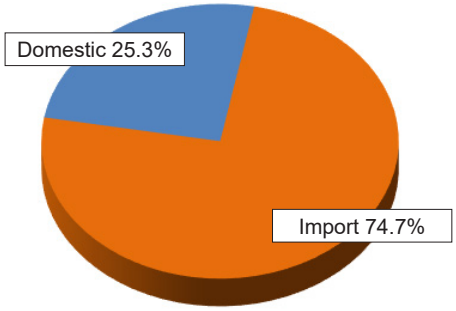
Blueberries (692 Samples)



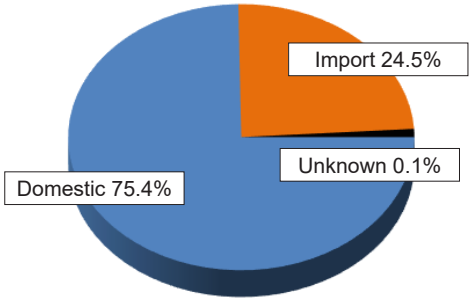
Broccoli (708 Samples)



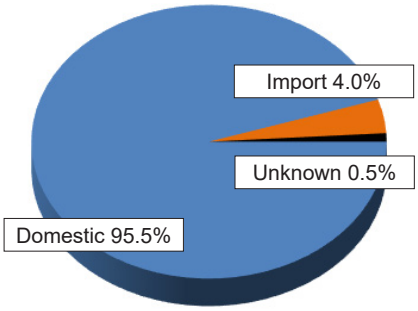
Cantaloupe (328 Samples)



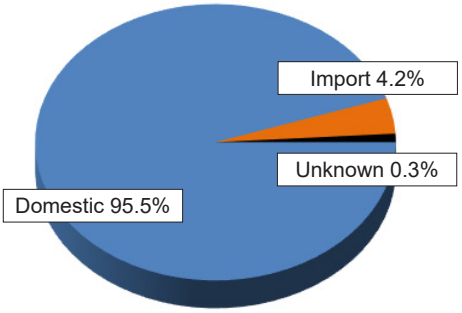
Carrots (708 Samples)



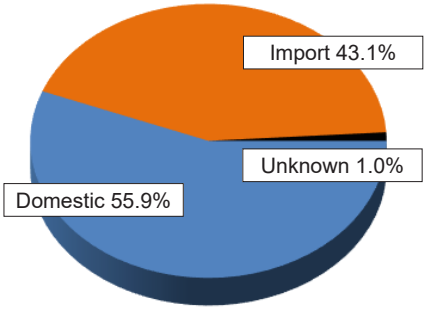
Cauliflower (531 Samples)



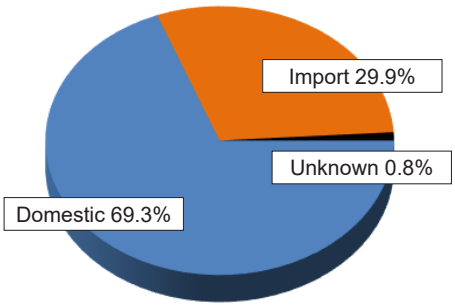
Celery (354 Samples)



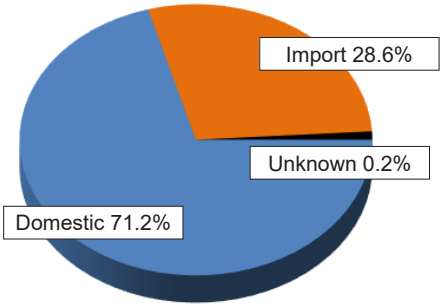
Eggplant (703 Samples)



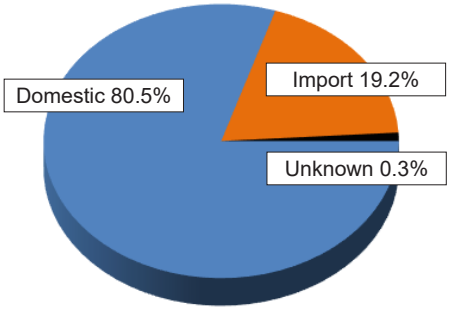
Green Beans (700 Samples)



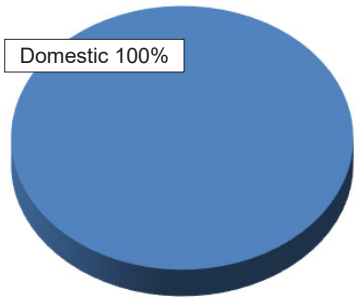
Peaches (518 Samples)



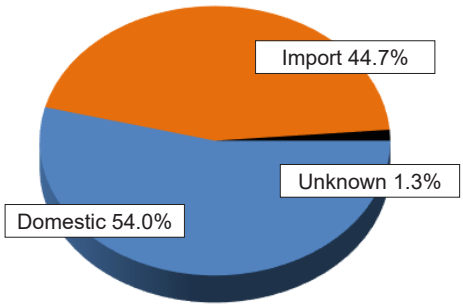
Pears (707 Samples)

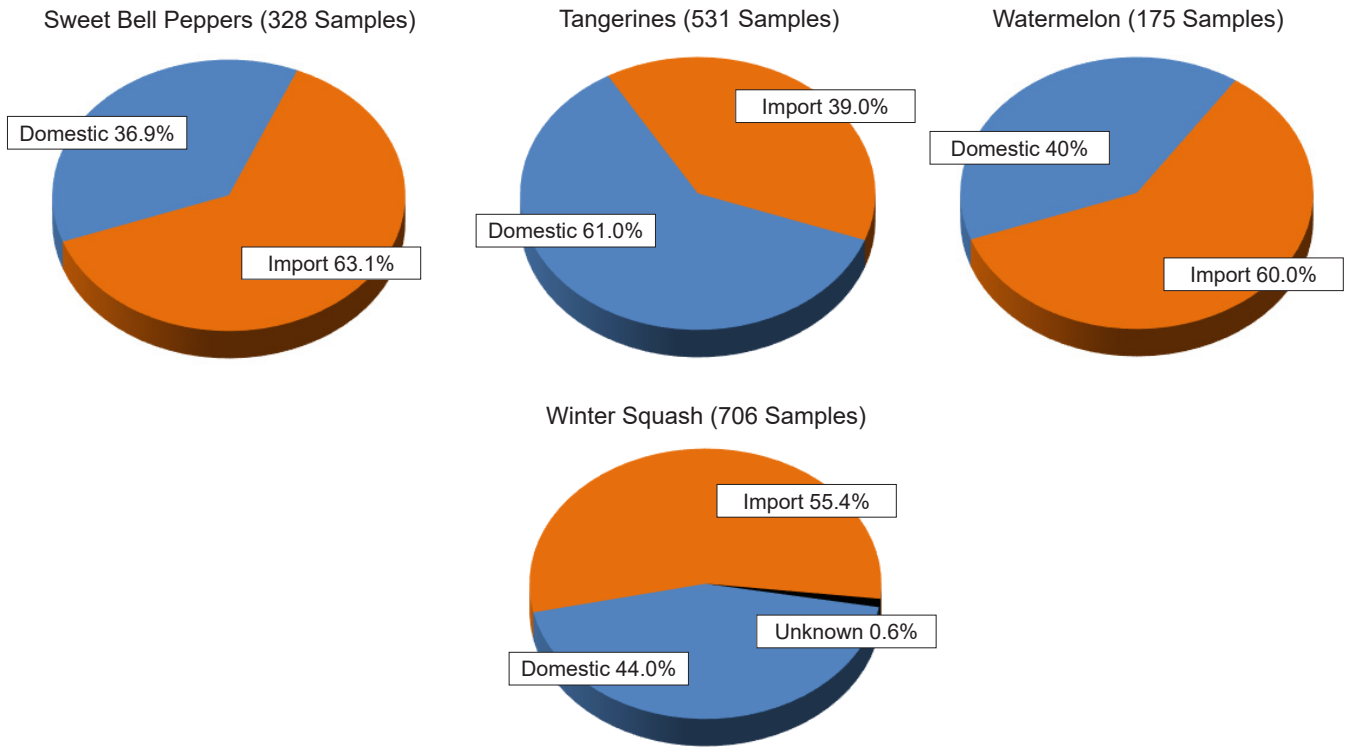


Plums (277 Samples)



Summer Squash (698 Samples)





B. Processed Fruit and Vegetable Commodities

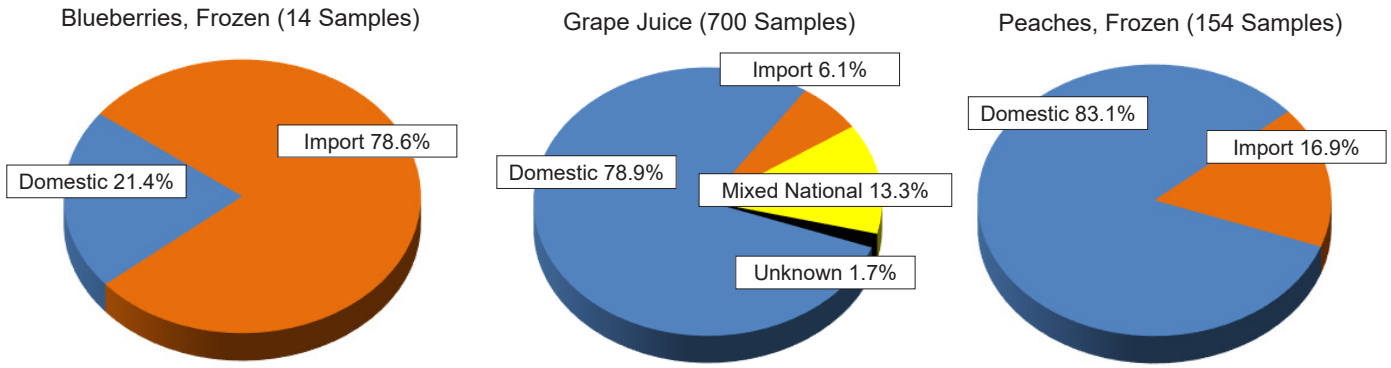


Figure 3. Commodity Origin. *This figure depicts the proportion of commodity origin (domestic, import, unknown, and mixed national origin) for each fresh and processed fruit and vegetable product tested in 2021.*

trucks (0.7 percent of samples), hopper cars (98.3 percent of samples), and barges (1.0 percent of samples). Corn grain slated for export was excluded from the sampling scheme. Sample information for corn included: Quality Assurance and Control System number, official agency collecting the sample, agency inspector, State of origin where the grain was grown, inspection point code, grain location city and State, variety, carrier type (truck, hopper car, or barge), carrier identification code, collection date, and shipment date. Field offices/ official agencies shipped corn grain samples to the National Grain Center (NGC) in Kansas City, MO, following FGIS chain of custody procedures. Truck, hopper car, and barge samples were held for up to 7, 10, and 30 days, respectively, prior to being released to PDP. Truck and hopper car samples were stored at room temperature prior to being shipped; barged samples were stored refrigerated. Samples selected for shipment to PDP were based on random selection. The sample size for corn grain was 500 grams. Pesticide residue analysis

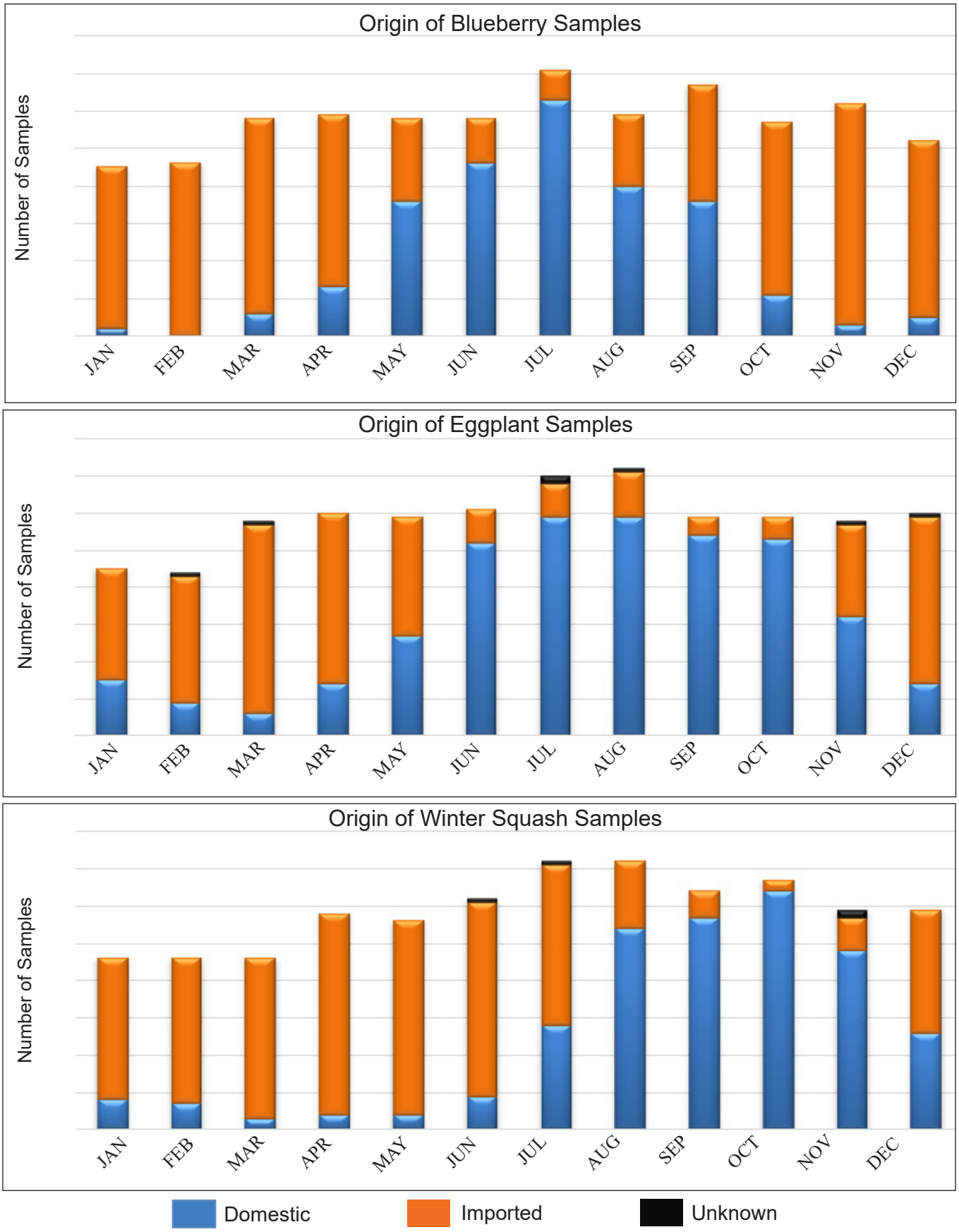


Figure 4. Origin of Selected Fresh Commodity: Blueberry, Eggplant and Winter Squash Samples.
Differences in origin (domestic vs. import) are illustrated by month.

was performed by the USDA National Science Laboratory (NSL) located in Gastonia, North Carolina. Corn samples were grown in 17 States. There were no imported corn samples; all were of domestic origin. The origin and number of samples grown in each State are displayed in Figure 5.

F. Butter

In 2021, PDP collected and analyzed 177 butter samples. Samples were collected from routine PDP sampling sites, which included major distribution centers and terminal markets, as well as proxy sites. The sample size for butter was 1 pound. Analysis was performed by the New York laboratory.

G. Sampling Limitations

Nine 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 generally representative of the United States as a whole.

PDP collects samples from 487 distribution centers, terminal markets, and wholesale/retail markets within the participating States. The total number of distribution centers, terminal markets, and wholesale/retail 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 year. However, there is no evidence to believe that sites within the States that participate 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 of similar size is selected from

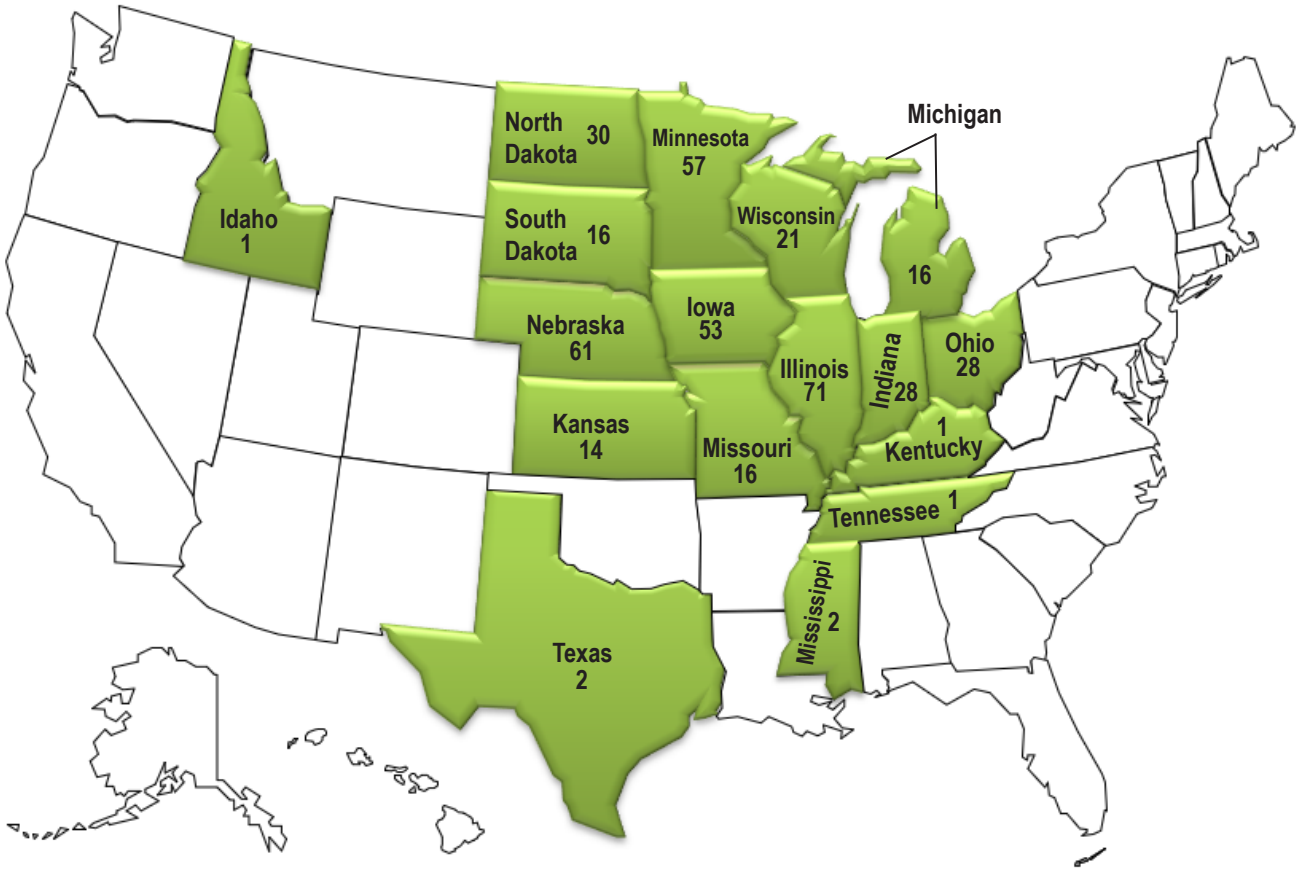


Figure 5. Location of Corn Grain Samples by Grower State. *A total of 418 corn grain sample were collected in 2021. The samples originated from 17 States. Residue testing for all samples was performed by the USDA laboratory located in Gastonia, NC.*

the quarterly site list 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, cantaloupe may be collected from an alternate site if the primary site is out of stock.

III. Laboratory Operations

A. Overview

Seven State laboratories and one Federal 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.

B. Fresh and Processed Commodities

A total of 9,532 fresh and processed fruit and vegetable samples were tested for 577 parent pesticides, metabolites, degradates, and/or isomers, plus 21 environmental contaminants using Multi-Residue Methods (MRMs). Pesticides prioritized for screening 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.

COVID-19 prevention measures and other factors resulted in laboratory delays during 2021 and 684 fresh commodity samples were held frozen for more than 90 days before analysis, (93-222 days). Per PDP SOP, sample results are transmitted by the laboratories no more than 90 days from the date of receipt of samples. The data from the 684 samples, consisting of 295 fresh and 143 frozen peaches, 196 celery, and 50 sweet bell peppers, have been annotated with a special extraction code in the downloadable/searchable PDP data set for 2021.

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 PDP Laboratory Sample Processing and Analysis SOP. 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 if replication of analysis or verification testing is required.

For analysis of fruit and vegetable samples, testing laboratories use various Quick, Easy, Cheap, Effective, Rugged and Safe (QuEChERS)-based approaches.[3] 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 GC-MS/MS and LC- MS/MS systems allow the program to capture data for a broad spectrum of pesticides, including emerging product chemistries.

[3] 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.

Commodity	Sample Preparation Steps
Blueberries	Wash blueberries by the handful or by using a colander and drain.
Blueberries, Frozen	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.
Broccoli	Visually examine and discard any damaged portion or wilted florets. Do not discard leaves unless they are wilted. Trim away inedible portions of stems. If the stem is less than 3 inches, do not trim. If the stem is longer than 3 inches, thinly slice away the tough outer layer on the stalk. Wash and drain.
Butter	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 target sampling size (1 pound) and weigh appropriate analytical portion.
Cantaloupe	Cut each cantaloupe in half and remove seeds and rind. Halves may be further divided at this point to facilitate removal of the rind.
Carrots	If carrots have any visible dirt, hold each carrot under cold running tap water and gently scrub the entire surface with a clean vegetable brush to remove any loose soil and grit. Rinse and drain. With a clean, dry knife, remove stem cap portion from each carrot.
Cauliflower	Visually examine the head and remove wrapper leaves and any damaged portions. Rinse, turn the head top side down to drain.
Celery	Using a clean, dry knife, remove the inedible portion of the stalk (i.e., the woody part at the base of the stalk) to allow the stems to separate. Do not remove the leaves unless discolored or damaged. Wash and drain.
Corn Grain	Pour entire grain sample into a container and mixed thoroughly to obtain a 500- gram sub-sample for homogenization. Grind the 500- gram subsample using an appropriate device. Tumble the resulting powder homogenate to obtain a homogeneous mixture.
Eggplant	Wash and drain. Using a clean, dry knife, remove the end pieces.
Grape Juice	For fresh and reconstituted juices, ensure that the sample is evenly mixed to obtain a homogeneous mixture.
Green Beans	Wash and drain. Do not peel. Using a clean, dry knife, remove any stems that are present.
Peaches	Wash and drain. Do not peel. Remove stem and leaves if present. Using a clean, dry knife, cut the peach around the pit (i.e., without cutting through the pit). Remove the pit, being careful to remove as little of the meat as possible.
Peaches, Frozen	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.
Pears	Wash and drain. Do not peel. Remove stem, if present. Using a clean, dry knife, cut each pear in half or quarters and remove the core portion.
Plums	Wash and drain. Do not peel. Remove stem and leaves if present. Using a clean, dry knife, cut the plum around the pit (i.e., without cutting through the pit). Remove the pit, being careful to remove as little of the meat as possible.
Summer Squash	Wash and drain. Using a clean, dry knife, remove end pieces.
Sweet Bell Peppers	Wash and drain. Remove stem, core, and seeds.
Tangerines	Peel each fruit and remove any excess white membrane.
Watermelon	Wash and drain. Using a clean, dry knife, cut each watermelon into quarters, and remove the rind. For large watermelons, take alternate quarters of each fruit and mechanically chop just until a visually homogeneous mixture is attained. For small watermelons, take the entire sample and mechanically chop just until a visually homogeneous mixture is attained. If only pre-cut is available, do not rinse watermelon. Remove the rind.
Winter Squash	Wash and drain. When possible, using a clean, dry knife, remove stem and/or end pieces.

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.*

C. Corn Grain

USDA's NSL tested 418 samples of field corn grain that originated from 17 States (Figure 5). A total of 115 parent pesticides, metabolites, degradates and/or isomers, including glyphosate and its aminomethylphosphonic acid (AMPA) metabolite, plus 8 environmental contaminants were screened in corn grain samples. Samples were prepared according to the procedures detailed in Table 4. Samples were extracted using a modification of the QuEChERS method and multiresidue analyses were performed using GC-MS/MS, GC-MS/MS-Negative Chemical Ionization, and LC-MS/MS. Glyphosate and AMPA were screened by LC-MS/MS using specialized methods.

COVID-19 prevention measures and other factors led to the delays in analyzing and reporting analytical results for 251 corn grain samples within 90 days from the receipt of the samples, as stipulated in the PDP SOPs. The samples that were held (frozen) longer than 90 days (93-127 days) before analysis have been annotated with a special extraction code in the downloadable/searchable PDP data set for 2021.

D. Butter

The New York Department of Agriculture and Markets, Food Laboratory Division tested 177 butter samples for a total of 196 parent pesticides, metabolites, degradates and/or isomers, plus 14 environmental contaminants. Samples were prepared according to the procedures detailed in Table 4. Samples were extracted using a modification of the QuEChERS method and multiresidue analyses were performed using GC-MS/MS, and LC-MS/MS.

E. 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)[4] 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/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.

[4] "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.

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, 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, macro-cyclic 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-by-set basis or spike all compounds analyzed with each set, so that the amount of spike recovery data obtained exceeds the minimal requirements previously stated. During 2021, PDP laboratories quantitated a total of 88,904 matrix spikes, with an overall mean recovery of 97.2 percent and an overall 20.1 percent coefficient of variation (% C.V.). The % C.V. is calculated as the standard deviation divided by the mean and then multiplied by 100.

• 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 2021, PDP laboratories quantitated a total of 22,135 process controls on 10,127 samples, with an overall mean recovery of 101 percent and an overall 17.2 percent C.V. Of these process controls, 47 (0.21 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 2021, PDP laboratories that routinely analyze fruit and vegetable samples via MRMs participated in one FAPAS round for broccoli purée that contained 14 fortified analytes. Laboratories were evaluated based on z-scores for reported compounds, as well as any reported false negatives or false positives. PDP laboratories typically 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 in collaboration with 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 2021, PDP laboratories received two multiresidue fruit and vegetable PT rounds (oranges and bell peppers), each consisting of three test samples. The orange samples were fortified with a total of 12 different compounds, with cyprodinil spiked on 2 different samples. The bell pepper samples were fortified with a total of 11 different compounds, with aldrin spiked on 2 different samples at the same level to evaluate within and between laboratory variability. Laboratories were evaluated based on percent recovery for reported compounds, as well as any reported false negatives or false positives. PDP laboratories typically obtained recoveries within the range of 50-150%, which is acceptable performance under the PDP QC SOP.

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. The 2021 onsite reviews were postponed due to COVID-19-related travel restrictions.

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 6.

A. Electronic Data Path

PDP utilizes the Remote Data Entry (RDE) application, which is a customized software tool that allows participating State and Federal laboratories to electronically enter and transmit data. The RDE application is distributed, with all user interface software and database files residing on laboratory computers. The laboratory users need only Microsoft® Office tools to interface with the RDE application. Access is controlled through separate user login/password accounts and user access rights for the various system functions based on position requirements. File encryption is used to secure all data stored in and transmitted from the RDE application.

A separate Windows®-based application allows sample collectors to capture the standardized Sample Information Form (SIF) electronically on laptop or tablet computers. The e-SIF application generates formatted text files containing sample information that are e-mailed to MPD staff for central processing and distribution to the analyzing laboratories for import into the RDE application.

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 checks on numeric fields, dates, and other character fields to ensure entries are within established boundaries.

MPD staff chemists review the data online and then 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® SQL Server and Access database tools. Access to the central PDP database is limited to MPD personnel and is controlled through password protection and user access rights.

B. Data Reporting

The MPD staff frequently receives requests for data from government agencies and interested outside parties. Ad hoc queries and custom reports

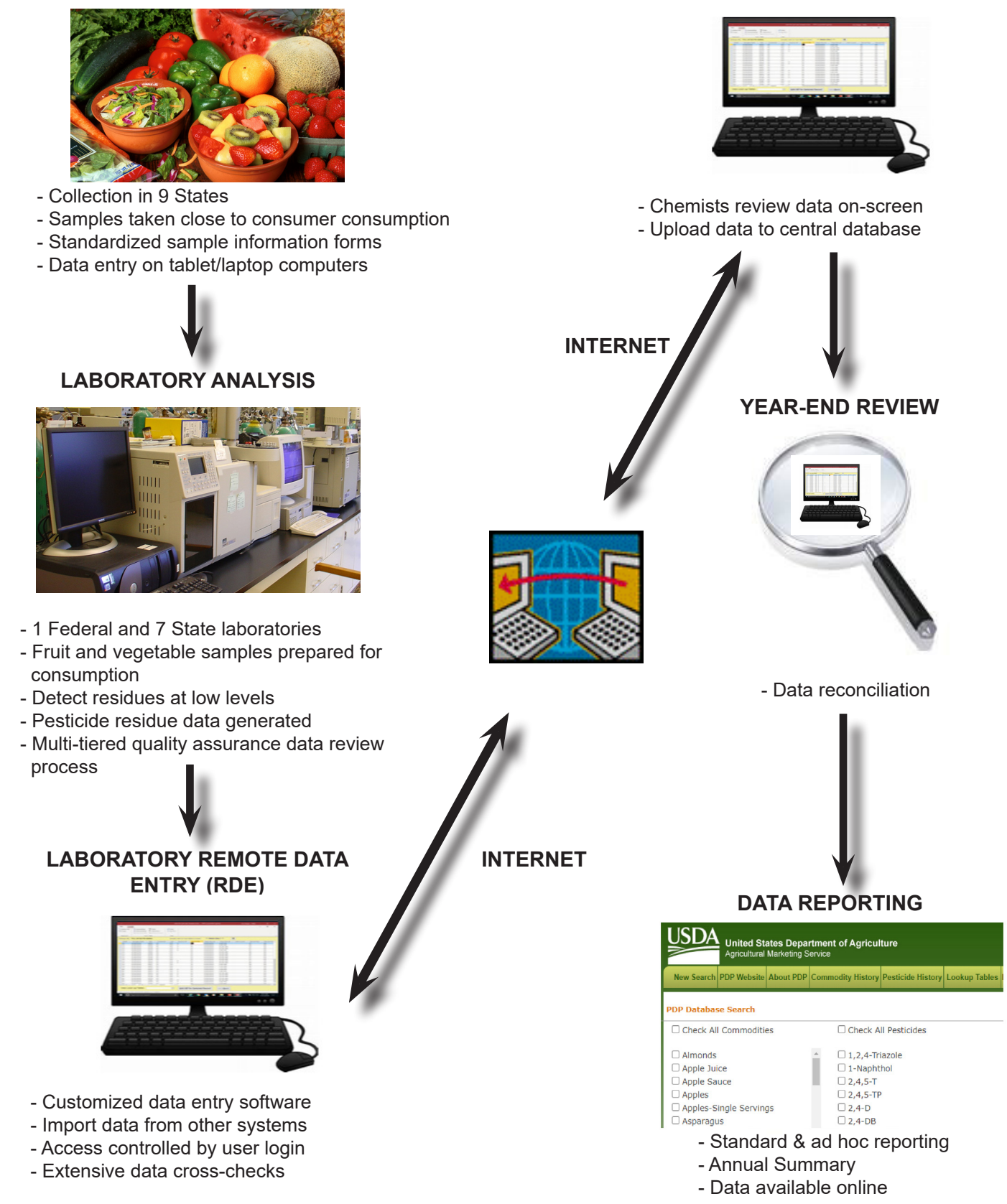


Figure 6. Pesticide Data Program (PDP) Data Pathway: *An illustration of PDP data path from sample collection through laboratory analysis and reporting.*

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. PDP calendar-year database files 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 seen in the PDP data. The data files can be imported into defined database structures and manipulated using common database management software packages.

C. Online Database Search Tool

An online PDP Database search tool is 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

A. Overview

In 2021, PDP conducted surveys on a variety of foods including fresh and processed fruit and vegetables, butter, and corn grain. Of the 10,127 samples analyzed in 2021, 9,532 were fresh and processed fruit and vegetable samples, 177 were butter samples, and 418 were corn grain samples. PDP testing methods are designed to detect low levels of pesticide residues. In 2021, over 99 percent of the samples tested had residues below the tolerances established by the EPA, with 24.0 percent having no detectable pesticide residue. The data reported by PDP illustrate that residues found in agricultural products sampled are at levels that do not pose risk to consumers' health and are safe according to EPA and FDA.

Appendix B tabulates the distribution of residue results for fruit and vegetables. Information included in this appendix are the 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. Appendixes C and D tabulate the distribution of residue results for corn and butter, respectively.

PDP laboratories tested foods for low levels of environmental contaminants. The selected contaminants were pesticides and are no longer used in the United States, but due to their persistence in the environment, particularly in soil, these contaminants can be still 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.

For fresh and processed fruit and vegetables and butter, most of the collected and analyzed samples (66.5 percent) were produced in the United States, 32.1 percent were imports, 0.9 percent were of mixed national origin, 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 (excluding corn grain), approximately 33.1 percent (3,218 of 9,709) were grown, packed, and/or distributed in or from California, which is the leading agricultural production and most populous State. Corn grain is excluded from Appendix F because the targeted corn samples rely on a different sampling frame and are not collected from routine PDP sample collection locations. The origins for the corn grain samples are shown on Figure 5.

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.

B. 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 2021. The data generated by PDP reflect pesticide residues in foods, both domestic and imported products, available to the U.S. consumer. Many of the samples of fresh and processed commodities were almost entirely of domestic origin, such as plums (100 percent), cauliflower (95.5 percent), and celery (95.5 percent), with only minor import (4.0 percent and 4.2 percent, respectively) and unknown origins (0.5 percent and 0.3 percent, respectively). Other fresh commodities, such as eggplant, summer squash and winter squash were available from domestic growers part of the year and imported during the remaining months, as illustrated in Figure 4.

Comparison of selected residues detected in imported versus domestic blueberries, green beans, peaches, and pears can be found in Appendix G. These commodity sets were selected to compare data where residues of the listed pesticides are present in greater than 5 percent of the total samples for the commodity. The comparison of individual pesticides between the countries of origin shows that the residue profiles for domestic and imported crops are significantly different, as would be expected due to different pest pressures.

The blueberry data in Appendix G show that acetamiprid, boscalid, fludioxonil and pyraclostrobin were detected more frequently in imported samples than in domestic samples. Boscalid was the most frequently detected in 48.1 percent of the samples from Mexico, 65.6 percent of the Peruvian samples, and 18.4 percent of the U.S. samples. Malathion and phosmet were detected more frequently in domestic samples. For example, malathion was detected in 18.4 percent of the U.S. samples, 3 percent of the Mexican samples, and was not detected in any of the samples from Peru. Imidacloprid and cyprodinil were detected with relatively equal frequency in the U.S., Mexican and Peruvian samples.

The green bean data in Appendix G show that compounds like carbendazim and imidacloprid desnitro were detected more frequently in imported samples than in domestic samples. For example, carbendazim was detected in 51.4 percent of the samples from Mexico and 28 percent of the U.S. samples. Azoxystrobin and pyraclostrobin were detected more frequently in domestic samples than in imports. For example, azoxystrobin was detected in 32.6 percent of U.S. samples and 10.4 percent of Mexican samples. Bifenthrin and boscalid were detected with relatively equal frequency in both the U.S. and Mexican green beans.

The peach data in Appendix G show that compounds like acetamiprid, fludioxonil, and tebuconazole were detected more frequently in imported samples than in domestic samples. Azoxystrobin, fluopyram and pyraclostrobin were detected more frequently in domestic samples than in imports. For example, pyraclostrobin was detected in 27.1 percent of U.S. samples and was not detected in any of the samples from Chile. Chlorantraniliprole and methoxyfenozide were detected with relatively equal frequency in both the U.S. and Chilean peaches.

The pear data in Appendix G show that chlorantraniliprole, ethoxyquin and THPI were detected more frequently in imported samples than in domestic samples. THPI was the most detected in 63.1 percent of the Argentinian samples and 0.2 percent of the U.S. samples. Spinetoram, thiophanate methyl and tolfenpyrad were detected more frequently in domestic samples than in imports. For example, tolfenpyrad was detected in 31.1 percent of U.S. samples and was not detected in any of the samples from Argentina. Fludoxonil and thiabendazole were detected with relatively equal frequency in both the U.S. and Argentinian pears.

All pesticides detected in this comparison of domestic and imported commodities had tolerances for the given commodity in the United States as shown in Appendix G; however, the profiles of residue findings were markedly different in 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.

C. 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.

D. 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. In 2021, 24.0 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 foreign countries. 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 presence of residues at levels below the established tolerance serves to ensure and verify the safety of the Nation's food supply.

Food commodities and the 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 commodity/pesticide 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 2021 is presented in Appendix I. These data indicate that 24.0 percent of all samples tested contained no detectable pesticides, 18.5 percent contained 1 pesticide, and 57.5 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 peaches and 1 sample of winter squash contained residues of 19 pesticides. No residues found on the peach and winter squash samples exceeded the established tolerances. Multiple residue detections can result from the application of more than one pesticide on a crop during a growing season; in addition, several 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.

E. Special Projects

Corn Grain: The USDA NSL conducted pesticide residue testing on 418 corn grain samples. Appendix

C shows that six different residues corresponding to five distinct pesticides were detected in corn grain samples. The most frequently detected residue was for glyphosate, which was detected in 146 samples (34.9 percent). Malathion was detected in seven samples (1.7 percent) and malathion oxygen analog was found in one sample (0.2 percent). Deltamethrin was found in five samples (1.2 percent), chlorpyrifos was detected in three samples (0.7 percent), and cypermethrin was detected in one sample (0.2 percent). All residue detections were lower than the established tolerances for those compounds with established tolerances.

Butter: The New York laboratory conducted testing for pesticide residues on 177 butter samples. Overall, 15 different residues (including metabolites and isomers) representing 14 distinct pesticides were detected in butter samples (Appendix D). The most frequently detected residue was novaluron, which was detected in 75 butter samples (42.4 percent). Permethrin cis was detected in 71 samples (40.1 percent) and permethrin trans was found in 69 samples (39.0 percent). Bifenthrin was detected in 65 samples (36.7 percent), piperonyl butoxide was found in 42 samples (23.7 percent), and total cyhalothrin was detected in 41 samples (23.2 percent). Flubendiamide and methoxyfenozide were each detected in three samples (1.7 percent). Buprofezin, difenoconazole, and pyraclostrobin were each found in two samples (1.1 percent). Residues of ametoctradin, diphenylamine, fenpyroximate, and thiabendazole were each detected in one sample (0.6 percent).

F. Environmental Contaminants

Persistent organic pollutants (POPs) are environmental contaminants that include pesticides with cancelled uses 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. The DDE p,p' metabolite was the most frequently detected. DDE p,p' was detected in butter (45.2 percent of samples), summer squash (5.2 percent), broccoli (4.9 percent), winter squash (3.0 percent), carrots (2.4 percent), green beans (2.1 percent), celery (0.6 percent), and tangerines (0.2 percent). DDT o,p' was detected in summer squash (3.8 percent) and winter squash (1.0 percent). DDT p,p' was detected in summer squash (1.9 percent), winter squash (1.0 percent), and carrots (0.1 percent). Residues of DDD o,p' were detected in winter squash (0.4 percent) and summer squash (0.3 percent), and DDD p,p' was detected only in summer squash (0.3 percent). Residues of the metabolite DDE o,p' were not detected in samples tested. All residues detected were lower than established FDA Action Levels.

PDP tested samples for additional POPs including: aldrin; dieldrin; endrin; BHC (alpha/beta/delta/epsilon) and lindane (BCH gamma); chlordane (cis, trans) and its metabolite oxychlordane; heptachlor and its epoxide metabolite; hexachlorobenzene (HCB); and mirex. The POPs listed in this section have not been registered for sale and distribution in the United States since the 1970s and 1980s. Despite these cancellations and because they persist in the environment, trace-level residues of chlordane (cis and trans), dieldrin, endrin, heptachlor (epoxide), and oxychlordane were detected in some of the tested commodities.

Chlordane cis was detected in 1.4 percent of summer squash samples, 1.3 percent of winter squash samples, and in 0.1 percent of eggplant samples. Chlordane trans was detected in 1.1 percent of winter squash samples and 0.3 percent of broccoli samples. Dieldrin was detected in 10.1 percent of winter squash samples, 7.9 percent of summer squash samples, 0.4 percent of broccoli samples, and 0.3 percent of cantaloupe samples. Endrin was detected in 1.3 percent of winter squash samples and 1.0 percent of summer squash samples. Heptachlor epoxide was detected in 2.1 percent of summer squash samples and 1.1 percent of winter squash samples. Oxychlordane was detected in 0.1 percent of winter squash samples.

No residues of aldrin, BHC (alpha/beta/delta/epsilon), HCB, heptachlor (parent), lindane (BHC gamma), or mirex were detected in any samples.

G. 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 registration review 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. Apart from 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 low levels of detection 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 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 ALs are noted with an "X" in Appendix B. Similarly, residues for which a tolerance is not established are noted with a "V" in Appendixes B, D and E. 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 appendixes apply to 2021 and not to the current year. There may be instances where tolerances may have been recently changed that would influence 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. If a pesticide also has a metabolite of interest, PDP assigns the metabolite the same tolerance as the parent compound. However, if the metabolite has a higher tolerance in the Code of Federal Regulations (CFR), the higher of the two values is used for the metabolite. If a pesticide has multiple isomers, the tolerance is the sum of the parent and isomer(s) of interest. For example, the CFR tolerance for endosulfan combines residues of the isomers, endosulfan I and endosulfan II, and the metabolite endosulfan sulfate. 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 423 samples with 466 pesticides were reported to FDA as Presumptive Tolerance Violations (PTV) either because they exceeded the established tolerance, or no tolerance is established. Pesticides exceeding the tolerance were detected in 0.53 percent (54 samples) of the total samples tested (10,127 samples). Of these 54 PTV exceeder samples, 29 were domestic (53.7 percent), 24 were imported (44.4 percent), and 1 was of unknown origin (1.9 percent). PTV exceeder samples represent 0.42 percent of the total domestic samples, 0.75 percent of the total imported samples, and 2.1 percent of the total unknown origin samples. The samples containing pesticides that exceeded established tolerances included: 4 samples of blueberries, 1 sample of broccoli, 2 samples of celery, 3 samples of eggplant, 31 samples of green beans, 5 samples of peaches, 1 sample of pears, and 7 samples of winter squash. Commodities that did not have any samples exceeding the established tolerances were the following: butter, cantaloupe, carrots, cauliflower, corn grain, grape juice, plums, summer squash, sweet bell peppers, tangerines, and watermelon.

Residues with no established tolerance were found in 3.7 percent (374 samples) of the total samples tested (10,127 samples). Of these 374 samples, 220 were domestic (58.8 percent), 150 were imported (40.1 percent), and 4 samples were of unknown origin (1.1 percent). PTV samples with residue detections for which no tolerance was established represent 3.2 percent of the total domestic samples, 4.7 percent of the total imported samples, and 8.3 percent of the total unknown origin samples. These samples included 373 fresh fruit and vegetable samples and 1 butter sample. There were 349 samples that contained 1 pesticide for which no tolerance was established; 23 samples with 2 pesticides for which no tolerance was established; 1 sample with 3 pesticides for which no tolerance was established; and 1 sample that contained 5 pesticides for which no tolerance was established. Five of the 374 samples also contained 1 or more pesticides that exceeded an established tolerance. The pesticide residue levels and commodities are listed in Appendix J for samples with PTVs. In most cases, these pesticides with no established tolerance were detected at 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; transfer of pesticide residues, post-harvest fungicides, or other growth regulators applied to other commodities kept in the same storage facilities; or exposure to pesticides during transportation through the distribution chain. Commodities that did not have any samples with pesticides for which no tolerance was established were corn grain, grape juice, and watermelon.

H. Look Ahead

At the time this report was drafted, 2022 PDP sampling and testing was underway. Commodities included in the 2022 survey are: baby food green beans, baby food peaches, baby food pears, baby food sweet potatoes, blueberries, butter, carrots, celery, corn grain, grapes, green beans, mushrooms, peaches, peanut butter, pears, plums, potatoes, summer squash, tomatoes, and watermelon. It is anticipated that the 2022 PDP data will be published in an annual summary approximately 1 year after the date of this report.

Appendix A

Commodity History

Appendix A identifies commodities sampled by the Pesticide Data Program (PDP) through December 2022. Updates to this list are posted on the PDP Web site at www.ams.usda.gov/pdp.

APPENDIX A. COMMODITY HISTORY
AS OF DECEMBER 2022

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	Jun-19
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
Bananas	Jan-19	Dec-20
Basil	Apr-19	Sep-19
Blueberries (cultivated) [2]	Jan-07	Dec-08
Blueberries (cultivated) [2]	Jan-14	Dec-14
Blueberries (cultivated) [2]	Oct-20	Sep-22
Broccoli	Oct-92	Dec-94
Broccoli	Jan-01	Dec-02
Broccoli	Oct-06	Sep-08
Broccoli	Jan-13	Dec-14
Broccoli	Jan-20	Dec-21
Cabbage	Jan-10	Dec-11
Cabbage	Jul-17	Jun-19
Cantaloupe	Jul-98	Jun-00
Cantaloupe	Oct-03	Sep-05
Cantaloupe	Jan-10	Mar-10
Cantaloupe	Oct-10	Jun-12
Cantaloupe	Jul-19	Jun-21
Carrots [1]	Oct-92	Sep-96
Carrots	Oct-00	Sep-02
Carrots	Jan-06	Dec-07
Carrots	Jan-13	Dec-14
Carrots	Apr-20	Mar-22
Cauliflower	Oct-04	Sep-06
Cauliflower	Oct-11	Sep-13

Commodity	Start Date	End Date
Cauliflower	Oct-19	Sep-21
Celery	Feb-92	Mar-94
Celery	Jan-01	Dec-02
Celery	Jan-07	Dec-08
Celery	Jan-13	Dec-14
Celery [3]	Jul-21	Ongoing
Cherries [4]	May-00	Aug-01
Cherries [2]	May-07	Sep-07
Cherries	Apr-14	Mar-16
Cilantro	Oct-09	Sep-10
Cilantro	Oct-18	Mar-19
Collard Greens	Oct-19	Sep-20
Cranberries	Oct-06	Dec-06
Cranberries [2]	Oct-16	Mar-18
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
Eggplant	Jan-20	Dec-21
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
Grapes	Jan-22	Ongoing
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 Beans	Oct-20	Sep-22
Green Onions	Oct-08	Sep-09
Green Onions	Jan-18	Dec-18
Greens (collard & kale)	Oct-06	Sep-08
Hot Peppers	Oct-10	Sep-11
Hot Peppers	Jan-19	Dec-19
Kale	Jan-17	Dec-18
Kiwi Fruit	Apr-18	Mar-20
Lettuce	May-91	Dec-94
Lettuce	Oct-99	Sep-01
Lettuce	Jan-04	Dec-05
Lettuce	Jan-10	Dec-11

Commodity	Start Date	End Date
Lettuce	Jul-15	Jun-17
Lettuce, Organic	Jan-09	Dec-09
Mangoes	Apr-10	Sep-10
Mangoes	Oct-17	Sep-18
Mushrooms	Oct-01	Sep-03
Mushrooms	Oct-11	Sep-13
Mushrooms	Jan-22	Ongoing
Mustard Greens	Jan-19	Dec-19
Nectarines [5]	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
Peaches	Feb-92	Sep-96
Peaches (S-3)	Jan-00	Sep-00
Peaches [6]	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
Peaches [3]	Jan-21	Dec-22
Pears	Jan-97	Jun-99
Pears (S-1)	Jul-98	Jun-99
Pears	Oct-03	Sep-05
Pears	Jan-09	Dec-10
Pears (B-1)	Oct-12	Nov-12
Pears	Jan-15	Dec-16
Pears	Jan-21	Dec-22
Pineapples	Jul-00	Jun-02
Plums [7]	Jan-05	Dec-06
Plums	Oct-11	Sep-13
Plums	Jul-21	Ongoing
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
Potatoes	Apr-22	Ongoing
Radishes	Jan-19	Dec-20
Raspberries [2]	Jan-13	Dec-13

Commodity	Start Date	End Date
Snap Peas	Jan-11	Dec-12
Snap Peas	Jan-17	Dec-18
Spinach [1]	Jan-95	Sep-97
Spinach	Jul-02	Dec-03
Spinach [8]	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
Summer Squash	Oct-20	Sep-22
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 Bell Peppers [3]	Jul-19	Jun-21
Sweet Potatoes [1]	Jan-96	Jun-98
Sweet Potatoes	Jan-03	Dec-04
Sweet Potatoes	Oct-08	Sep-10
Sweet Potatoes	Apr-16	Mar-18
Tangerines	Jan-11	Dec-12
Tangerines	Oct-19	Sep-21
Tomatoes [1]	Jul-96	Jun-99
Tomatoes	Jan-03	Dec-04
Tomatoes	Jan-07	Dec-08
Tomatoes	Oct-14	Sep-16
Tomatoes	Jan-22	Ongoing
Tomatoes, Cherry/Grape	Jan-11	Dec-12
Watermelon [9]	Oct-05	Sep-06
Watermelon	Apr-10	Sep-10
Watermelon	Jul-14	Jun-15
Watermelon	Oct-21	Ongoing
Winter Squash [2]	Jan-97	Jun-99
Winter Squash	Jul-04	Jun-06
Winter Squash	Oct-11	Mar-13
Winter Squash	Jan-20	Dec-21

NOTES

[1] Excludes sampling hiatus September - November 1996.

[2] Frozen collected when fresh unavailable.

[3] 2021 samples that were delayed and held frozen for >90 days (due to COVID-19 pandemic related delays) are annotated in the downloadable/searchable PDP data set.

Commodity	Start Date	End Date

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

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

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

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

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

[9] 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
Apple Juice	Jan-20	Dec-20
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
Blueberries (cultivated/wild), Frozen [3]	Oct-20	Sep-22
Cherries, Frozen [4]	Apr-14	Mar-16
Corn Syrup [4]	Jan-98	Jun-99
Cranberries, Canned	Apr-18	Sep-18
Cranberries, Frozen [3]	Oct-16	Mar-18
Garbanzo Beans, Canned	Oct-17	Sep-18
Garbanzo Beans, Dried	Jan-19	Dec-19
Grape Juice	Jan-98	Dec-99
Grape Juice	Jan-08	Dec-08
Grape Juice	Oct-13	Sep-14
Grape Juice	Jan-21	Dec-21
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	Sep-18
Orange Juice	Jan-97	Dec-98
Orange Juice	Oct-04	Sep-06
Orange Juice	Oct-10	Sep-11
Orange Juice	Jan-12	Jun-12
Orange Juice	Oct-19	Sep-20
Peaches, Canned	Dec-96	Dec-97
Peaches, Canned	Jan-03	Dec-04
Peaches, Canned	Jan-18	Dec-18
Peaches, Canned (T-1)	Jan-03	Mar-03
Peaches, Canned (T-1)	Oct-03	Dec-03
Peaches, Frozen [3, 5]	Jan-21	Dec-22
Pear Juice, Concentrate/Puree	Jul-02	Jun-03
Pears, Canned	Jul-99	Jun-00
Peas, Canned/Frozen	Apr-94	Jun-96
Peas, Canned/Frozen [6]	Oct-01	Sep-03
Peas, Canned/Frozen	Oct-18	Sep-19
Peas, Frozen	Jan-06	Dec-06

Commodity	Start Date	End Date
Pineapple, Canned	Jan-17	Dec-17
Plums, Dried (Prunes) [7]	Jan-05	Dec-06
Plums, Dried (Prunes)	Oct-17	Sep-18
Potatoes, Frozen	Jan-06	Dec-07
Raisins	Jul-06	Jun-07
Raisins	Jan-18	Dec-18
Raspberries, Frozen [3]	Jan-13	Dec-13
Spinach, Canned	Oct-97	Dec-98
Spinach, Canned	Jan-04	Jun-04
Spinach, Canned/Frozen	Jul-10	Jun-11
Spinach, Canned/Frozen	Oct-18	Sep-19
Spinach, Frozen	Jan-99	Dec-99
Strawberries, Frozen [3]	Jan-98	Sep-00
Strawberries, Frozen	Oct-18	Sep-19
Sweet Corn, Canned/Frozen	Apr-94	Mar-96
Sweet Corn, Canned/Frozen [6]	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
Tomato Paste, Canned	Oct-19	Sep-20
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, Green Beans	Oct-22	Ongoing
Baby Food, Peaches	Jan-12	Dec-12
Baby Food, Peaches	Oct-22	Ongoing
Baby Food, Pears	Oct-10	Sep-11
Baby Food, Pears	Oct-22	Ongoing
Baby Food, Peas	Jul-12	Jun-13
Baby Food, Sweet Potatoes	Oct-10	Sep-11
Baby Food, Sweet Potatoes	Oct-22	Ongoing
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] 2021 samples that were delayed and held frozen for >90 days (due to COVID-19 pandemic related delays) are annotated in the downloadable/searchable PDP data set.

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

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

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

Grains

Commodity	Start Date	End Date
Barley	Oct-01	Sep-03
Corn	Oct-06	Sep-08
Corn [1]	Jul-21	Ongoing
Oats	Jul-99	Apr-00
Oats	Jan-10	Jun-10
Oats	Apr-14	Aug-14
Oats	Jan-19	Dec-19
Rice	Oct-00	Sep-02
Rice [2]	Oct-08	Sep-09
Rice	Apr-14	Aug-14
Rice	Oct-18	Sep-19
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	Jan-18	Dec-18
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
Peanut Butter	Jan-22	Dec-22

Dairy Products

Commodity	Start Date	End Date
Butter	Jan-03	Dec-03
Butter	Jan-12	Dec-13
Butter	Oct-21	Sep-22
Heavy Cream	Jul-05	Dec-05
Heavy Cream	Jan-07	Dec-07
Heavy Cream	Jun-18	Aug-18
Milk [3]	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 [4]	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 [5]	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] 2021 samples that were delayed and held frozen for >90 days (due to COVID-19 pandemic related delays) are annotated in the downloadable/searchable PDP data set.

[2] Includes sampling hiatus May-July 2009.

[3] Excludes sampling hiatus September - November 1996.

[4] Excludes sampling hiatus April-June 2009.

[5] 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 2021 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 2021, the Pesticide Data Program (PDP) analyzed 9,532 fruit and vegetable samples, of which 8,664 were fresh products and 868 were processed products.

PDP 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
2,3,5-Trimethacarb (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
2,6-DIPN (plant growth regulator)							
Green Beans	700	0			0.010		NT
Summer Squash	365	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**1,771**	**0**					
Abamectin (insecticide)							
Blueberries, Cultivated, Fresh	664	0			0.050		0.05
Blueberries, Frozen	14	0			0.050		0.05
Cantaloupe	328	0			0.050		0.01 FF
Grape Juice	700	0			0.004		0.02
Green Beans	700	0			0.020		0.08
Pears	707	1	0.1	0.007	0.004		0.02
Plums	277	0			0.050		0.09
Summer Squash	365	0			0.020		0.01 FF
Winter Squash	706	0			0.020		0.01 FF
TOTAL	**4,461**	**1**					
Acephate (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.003		0.02 FF
Blueberries, Frozen	14	0			0.003		0.02 FF
Cantaloupe	328	0			0.003		0.02 FF
Carrots	708	0			0.075		0.02 FF
Cauliflower	531	8	1.5	0.011 - 0.14	0.005		2.0
Celery	354	26	7.3	0.056 - 1.2	0.050		10
Eggplant	703	3	0.4	0.084 - 0.32	0.005 - 0.075	X-3	0.02 FF
Grape Juice	700	0			0.10		0.02 FF
Green Beans	700	44	6.3	0.006 - 10	0.005	X-28	0.02 FF
Peaches	518	0			0.050		0.02 FF
Peaches, Frozen	154	0			0.050		0.02 FF
Pears	707	0			0.10		0.02 FF
Plums	277	0			0.003		0.02 FF
Summer Squash	698	0			0.005 - 0.015		0.02 FF
Sweet Bell Peppers	319	2	0.6	0.18 - 0.20	0.050		4.0
Tangerines	531	0			0.060		0.02 FF
Watermelon	175	0			0.015		0.02 FF
Winter Squash	706	4	0.6	0.030 - 0.30	0.005	X-4	0.02 FF
TOTAL	**8,815**	**87**					
Acequinocyl (acaricide)							
Carrots	708	0			0.20		NT
TOTAL	**708**	**0**					
Acetamiprid (insecticide)							
Blueberries, Cultivated, Fresh	692	213	30.8	0.002 - 2.0	0.002	X-2	1.6
Blueberries, Frozen	14	6	42.9	0.005 - 0.044	0.002		1.6
Broccoli	708	3	0.4	0.002 - 0.005	0.001 - 0.003		1.2
Cantaloupe	328	74	22.6	0.002 - 0.025	0.002		0.50
Carrots	708	0			0.005		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
Cauliflower	531	0			0.003		1.2
Celery	354	8	2.3	0.011 - 0.048	0.010		3
Eggplant	703	102	14.5	0.002 - 0.14	0.001 - 0.005		0.20
Grape Juice	700	0			0.007		0.35
Green Beans	700	23	3.3	0.001 - 0.037	0.001		0.60
Peaches	518	97	18.7	0.010 - 0.20	0.010		1.5
Peaches, Frozen	154	1	0.6	0.083	0.010		1.5
Pears	707	178	25.2	0.012 - 0.70	0.007		1.0
Plums	277	8	2.9	0.002 - 0.012	0.002		1.5
Summer Squash	698	39	5.6	0.002 - 0.035	0.001 - 0.002		0.50
Sweet Bell Peppers	319	49	15.4	0.011 - 0.12	0.010		0.20
Tangerines	531	54	10.2	0.002 - 0.061	0.002		1.0
Watermelon	175	5	2.9	0.002 - 0.004	0.002		0.50
Winter Squash	706	79	11.2	0.001 - 0.010	0.001		0.50
TOTAL	**9,523**	**939**					
Acetochlor (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	0			0.001 - 0.003		NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		NT
Plums	277	0			0.005		NT
Summer Squash	698	0			0.001 - 0.030		NT
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.030		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,771**	**0**					
Acibenzolar S methyl (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.020		0.15
Blueberries, Frozen	14	0			0.020		0.15
Broccoli	708	0			0.004		1.0
Cantaloupe	328	0			0.020		2.0
Carrots	708	0			0.040		NT
Cauliflower	531	0			0.004 - 0.012		1.0
Celery	354	0			0.010		0.25
Eggplant	703	0			0.004 - 0.040		1.0
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.015		0.05 IT
Plums	247	0			0.020		NT
Summer Squash	333	0			0.030		2.0
Sweet Bell Peppers	319	0			0.010		1.0
Tangerines	531	0			0.030		0.02
Watermelon	175	0			0.030		2.0
TOTAL	**7,022**	**0**					
Aclonifen (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**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
Afidopyropen (insecticide)							
Broccoli	708	2	0.3	0.002	0.001		0.50
Cauliflower	531	0			0.001 - 0.003		0.50
Eggplant	357	1	0.3	0.004	0.001		0.2
Pears	707	0			0.005		0.02
Summer Squash	333	0			0.010		0.70
Tangerines	531	0			0.010		0.15
Watermelon	175	0			0.010		0.70
TOTAL	**3,342**	**3**					
Alachlor (herbicide)							
Broccoli	708	0			0.002		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.002		NT
Eggplant	703	0			0.002 - 0.010		NT
Green Beans	700	0			0.001		NT
Summer Squash	698	0			0.001 - 0.020		NT
Tangerines	531	0			0.020		NT
Watermelon	175	0			0.020		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,460**	**0**					
Aldicarb (insecticide)							
Blueberries, Cultivated, Fresh	393	0			0.030		NT
Blueberries, Frozen	9	0			0.030		NT
Broccoli	708	0			0.001 - 0.003		NT
Cantaloupe	73	0			0.030		NT
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.020		NT
Green Beans	700	0			0.005		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	100	0			0.030		NT
Summer Squash	698	0			0.002 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.002		NT
Watermelon	175	0			0.002		NT
Winter Squash	706	0			0.005		NT
TOTAL	**7,380**	**0**					
Aldicarb sulfone (metabolite of Aldicarb)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.025		NT
Cauliflower	531	0			0.003		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.003 - 0.025		NT
Green Beans	700	0			0.003		NT
Peaches	500	0			0.010		NT
Peaches, Frozen	152	0			0.010		NT
Plums	277	0			0.005		NT
Summer Squash	698	0			0.003 - 0.010		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.020		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
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**7,388**	**0**					
Aldicarb sulfoxide (metabolite of Aldicarb)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.055		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.002 - 0.055		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.005		NT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**5,838**	**0**					
Allethrin (insecticide)							
Carrots	708	0			0.080		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.080		NT
Peaches	518	0			0.010 - 0.025		NT
Peaches, Frozen	154	0			0.010		NT
Sweet Bell Peppers	319	0			0.010 - 0.025		NT
TOTAL	**2,399**	**0**					
Allidochlor (herbicide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Ametoctradin (fungicide)							
Broccoli	708	3	0.4	0.005 - 0.034	0.003		9.0
Carrots	708	0			0.010		NT
Cauliflower	531	8	1.5	0.002	0.001		9.0
Celery	354	0			0.010		40.0
Eggplant	703	1	0.1	0.008	0.003 - 0.010		1.5
Grape Juice	700	0			0.001		4.0
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	1	0.3	0.006	0.001		3.0
Sweet Bell Peppers	319	1	0.3	0.012	0.010		1.5
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		3.0
Winter Squash	706	25	3.5	0.001 - 0.072	0.001		3.0
TOTAL	**7,172**	**39**					
Ametryn (herbicide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.005		NT
Green Beans	700	1	0.1	0.004	0.001	V-1	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
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,209**	**1**					
Amicarbazone (herbicide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Aminocarb (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Amisulbrom (fungicide)							
Grape Juice	700	0			0.005		0.40
TOTAL	**700**	**0**					
Anilofos (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Aspon (insecticide)							
Celery	354	0			0.005		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
TOTAL	**1,354**	**0**					
Asulam (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Atraton (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Atrazine (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	708	1	0.1	0.002	0.001 - 0.003	V-1	NT
Cantaloupe	299	0			0.002		NT
Carrots	708	0			0.001		NT
Cauliflower	531	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
Celery	354	0			0.005		0.25 IN
Eggplant	703	0			0.001		NT
Green Beans	700	14	2	0.001 - 0.010	0.001	V-14	NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.002		NT
Summer Squash	698	0			0.001 - 0.010		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,096**	**15**					
Azaconazole (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Azamethiphos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Azimsulfuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Azinphos (insecticide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Azinphos methyl (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.006		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.006		NT
Celery	354	0			0.020		NT
Eggplant	703	0			0.005 - 0.006		NT
Grape Juice	700	0			0.008		NT
Green Beans	700	0			0.005		NT
Peaches	518	0			0.020		NT
Peaches, Frozen	154	0			0.020		NT
Pears	707	0			0.008		NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.005 - 0.010		NT
Sweet Bell Peppers	328	0			0.020		NT
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.005		NT
TOTAL	**9,532**	**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
Azinphos methyl oxygen analog (metabolite of Azinphos methyl)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.010		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.010		NT
Grape Juice	700	0			0.005		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.005		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**6,888**	**0**					
Azoxystrobin (fungicide)							
Blueberries, Cultivated, Fresh	692	190	27.5	0.002 - 0.72	0.002		10.0
Blueberries, Frozen	14	3	21.4	0.006 - 0.083	0.002		10.0
Broccoli	708	76	10.7	0.002 - 0.48	0.001		3.0
Cantaloupe	328	8	2.4	0.002 - 0.003	0.002		0.3
Carrots	708	40	5.6	0.010 - 0.034	0.010		1.0
Cauliflower	531	2	0.4	0.002	0.001		3.0
Celery	354	70	19.8	0.002 - 0.14	0.002		30.0
Eggplant	703	32	4.6	0.002 - 0.028	0.001 - 0.010		3.0
Grape Juice	700	252	36	0.002 - 0.005	0.001		2.0
Green Beans	700	196	28	0.001 - 0.58	0.001		3.0
Peaches	518	75	14.5	0.002 - 0.091	0.002		2.0
Peaches, Frozen	154	2	1.3	0.002	0.002		2.0
Pears	707	0			0.001		NT
Plums	277	3	1.1	0.005 - 0.026	0.002		2.0
Summer Squash	698	40	5.7	0.001 - 0.026	0.001		0.3
Sweet Bell Peppers	319	54	16.9	0.002 - 0.10	0.002		3.0
Tangerines	531	161	30.3	0.002 - 0.24	0.002		15.0
Watermelon	175	1	0.6	0.001	0.001		0.3
Winter Squash	706	17	2.4	0.001 - 0.021	0.001		0.3
TOTAL	**9,523**	**1,222**					
Beflubutamid (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Benalaxyl (fungicide)							
Grape Juice	700	0			0.003		3.0 FU
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,471**	**0**					
Bendiocarb (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.003		NT
Blueberries, Frozen	14	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
Broccoli	708	0			0.003		NT
Cantaloupe	328	0			0.003		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.003		NT
Summer Squash	698	0			0.001 - 0.002		NT
Sweet Bell Peppers	319	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.002		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,816**	**0**					
Benfluralin (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Green Beans	700	0			0.003		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,082**	**0**					
Benoxacor (herbicide safener)							
Blueberries, Cultivated, Fresh	692	0			0.010		0.01
Blueberries, Frozen	14	0			0.010		0.01
Broccoli	708	0			0.001		0.01
Cantaloupe	328	0			0.010		0.01
Carrots	708	0			0.015		0.01
Cauliflower	531	0			0.001		0.01
Celery	354	0			0.005		0.01
Eggplant	703	0			0.001 - 0.015		0.01
Green Beans	700	0			0.003		0.01
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.003 - 0.020		0.01
Sweet Bell Peppers	328	0			0.005		0.01
Tangerines	531	0			0.020		NT
Watermelon	175	0			0.020		0.01
Winter Squash	706	0			0.003		0.01
TOTAL	**8,125**	**0**					
Bensulfuron methyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Bensulide (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.004		NT
Blueberries, Frozen	14	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
Cantaloupe	328	0			0.004		0.15
Carrots	708	0			0.005		0.10 R
Celery	354	0			0.010		0.15
Eggplant	346	0			0.005		0.10
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.004		NT
Summer Squash	698	0			0.001 - 0.010		0.15
Sweet Bell Peppers	319	0			0.010		0.10
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.010		0.15
Winter Squash	706	1	0.1	0.002	0.001		0.15
TOTAL	**6,520**	**1**					
Bensulide oxygen analog (metabolite of Bensulide)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Cantaloupe	328	0			0.002		0.15
Carrots	708	0			0.010		0.10 R
Eggplant	346	0			0.010		0.10
Plums	277	0			0.002		NT
Summer Squash	333	0			0.002		0.15
Tangerines	531	0			0.002		NT
Watermelon	175	0			0.002		0.15
TOTAL	**3,404**	**0**					
Bentazon (herbicide)							
Carrots	708	0			0.030		NT
Eggplant	346	0			0.030		NT
Summer Squash	333	0			0.050		NT
Tangerines	531	0			0.10		NT
Watermelon	175	0			0.050		NT
TOTAL	**2,093**	**0**					
Benthiavalicarb isopropyl (fungicide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
Grape Juice	700	0			0.002		0.25 FU
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,525**	**0**					
Benzobicyclon (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Benzovindiflupyr (fungicide)							
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		1.5
Grape Juice	700	0			0.002		1.0
Green Beans	700	1	0.1	0.002	0.001	V-1	NT
Pears	707	0			0.002		0.20
Summer Squash	698	2	0.3	0.002 - 0.007	0.001 - 0.005		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
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.30
Winter Squash	706	8	1.1	0.002 - 0.006	0.001		0.30
TOTAL	**5,271**	**11**					
Bifenazate (acaricide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.005		4.0
Grape Juice	700	0			0.005		1.0
Green Beans	700	0			0.003		6.0
Peaches	518	21	4.1	0.010 - 0.16	0.010		2.5
Peaches, Frozen	154	0			0.010		2.5
Pears	707	37	5.2	0.008 - 0.046	0.005		0.7
Summer Squash	365	0			0.003		0.75
Sweet Bell Peppers	319	5	1.6	0.012 - 0.035	0.010		4.0
Winter Squash	706	0			0.003		0.75
TOTAL	**5,577**	**63**					
Bifenox (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Bifenthrin (insecticide)							
Blueberries, Cultivated, Fresh	692	113	16.3	0.002 - 0.71	0.002		3
Blueberries, Frozen	14	6	42.9	0.037 - 0.47	0.002		3
Broccoli	708	22	3.1	0.002 - 0.038	0.001		0.6
Cantaloupe	328	11	3.4	0.002 - 0.004	0.002		0.4
Carrots	708	0			0.005		0.10
Cauliflower	531	0			0.001		0.6
Celery	354	23	6.5	0.005 - 0.16	0.005		3.0
Eggplant	703	44	6.3	0.002 - 0.041	0.001 - 0.005		0.5
Grape Juice	700	0			0.003		0.3
Green Beans	700	180	25.7	0.001 - 0.15	0.001		0.6
Peaches	518	2	0.4	0.005 - 0.020	0.005		0.7
Peaches, Frozen	154	0			0.005		0.7
Pears	707	4	0.6	0.005 - 0.16	0.003		0.9
Plums	277	0			0.002		0.05 FF
Summer Squash	698	36	5.2	0.002 - 0.033	0.001 - 0.005		0.4
Sweet Bell Peppers	328	39	11.9	0.005 - 0.12	0.005		0.5
Tangerines	531	0			0.005		0.05
Watermelon	175	5	2.9	0.007 - 0.027	0.005		0.4
Winter Squash	706	140	19.8	0.001 - 0.14	0.001		0.4
TOTAL	**9,532**	**625**					
Biphenyl (fungicide)							
Carrots	708	0			0.075		NT
Eggplant	346	0			0.075		NT
TOTAL	**1,054**	**0**					
Bitertanol (fungicide)							
Celery	354	0			0.010		NT
Green Beans	700	0			0.010		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	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
Summer Squash	365	0			0.010		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**3,116**	**0**					
Boscalid (fungicide)							
Blueberries, Cultivated, Fresh	692	286	41.3	0.004 - 2.1	0.003		13.0
Blueberries, Frozen	14	8	57.1	0.009 - 0.51	0.003		13.0
Broccoli	708	51	7.2	0.002 - 0.86	0.001		6.0
Cantaloupe	328	0			0.003		3.0
Carrots	708	129	18.2	0.020 - 0.12	0.020		2.0
Cauliflower	531	4	0.8	0.002	0.001		6.0
Celery	354	25	7.1	0.010 - 0.24	0.010		45
Eggplant	703	11	1.6	0.002 - 0.020	0.001 - 0.010		3.0
Grape Juice	700	46	6.6	0.008 - 0.11	0.005		5.0
Green Beans	700	77	11	0.003 - 0.23	0.003		5.0
Peaches	518	60	11.6	0.014 - 0.43	0.010		3.5
Peaches, Frozen	154	0			0.010		3.5
Pears	707	21	3	0.008 - 0.16	0.005		3.0
Plums	277	9	3.2	0.003 - 0.011	0.003		3.5
Summer Squash	698	8	1.1	0.003 - 0.030	0.003 - 0.005		3.0
Sweet Bell Peppers	319	31	9.7	0.012 - 0.22	0.010		3.0
Tangerines	531	0			0.005		2.0
Watermelon	175	0			0.005		3.0
Winter Squash	706	26	3.7	0.003 - 0.018	0.003		3.0
TOTAL	**9,523**	**792**					
Bromacil (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.003		NT
Blueberries, Frozen	14	0			0.003		NT
Cantaloupe	328	0			0.003		NT
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		NT
Green Beans	700	0			0.003		NT
Plums	277	0			0.003		NT
Summer Squash	698	0			0.003 - 0.010		NT
Tangerines	531	0			0.010		0.1
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**5,175**	**0**					
Bromobutide (herbicide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Bromophos ethyl (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Bromopropylate (acaricide)							
Celery	354	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	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
Plums	246	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,371**	**0**					
Bromuconazole (fungicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Bupirimate (fungicide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,179**	**0**					
Buprofezin (insecticide)							
Blueberries, Cultivated, Fresh	662	18	2.7	0.001 - 0.008	0.001		2.5
Blueberries, Frozen	14	0			0.001		2.5
Broccoli	708	0			0.001		12
Cantaloupe	298	0			0.001		0.50
Carrots	708	0			0.001		NT
Cauliflower	531	0			0.001		12
Celery	354	0			0.010		35
Eggplant	703	4	0.6	0.002 - 0.005	0.001		2.0
Grape Juice	700	0			0.001		2.5 IT
Green Beans	700	20	2.9	0.002 - 0.074	0.001	X-3	0.02
Peaches	518	1	0.2	0.028	0.010		9.0
Peaches, Frozen	154	0			0.010		9.0
Pears	707	125	17.7	0.002 - 0.83	0.001		6.0
Plums	277	8	2.9	0.001 - 0.004	0.001		2
Summer Squash	698	6	0.9	0.001 - 0.007	0.001		0.50
Sweet Bell Peppers	319	6	1.9	0.012 - 0.064	0.010		2.0
Tangerines	531	0			0.001		4
Watermelon	175	4	2.3	0.001	0.001		0.50
Winter Squash	706	7	1	0.002 - 0.008	0.001		0.50
TOTAL	**9,463**	**199**					
Butachlor (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Butocarboxim (insecticide, acaricide)							
Carrots	708	0			0.020		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.020		NT
Peaches	518	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
Peaches, Frozen	154	0			0.010		NT
Sweet Bell Peppers	319	0			0.010		NT
TOTAL	**2,399**	**0**					
Butocarboxim sulfone (metabolite of Butocarboxim)							
Carrots	708	0			0.015		NT
Eggplant	346	0			0.015		NT
TOTAL	**1,054**	**0**					
Butocarboxim sulfoxide (metabolite of Butocarboxim)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
TOTAL	**1,054**	**0**					
Butralin (herbicide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Butylate (herbicide)							
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		NT
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,825**	**0**					
Cadusafos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Captan (fungicide) (parent of THPI)							
Cantaloupe	241	0			0.025		0.05
Carrots	708	0			0.10 - 0.20		0.05
Celery	354	0			0.020		0.05
Eggplant	346	0			0.10 - 0.20		0.05
Peaches	518	36	6.9	0.023 - 1.1	0.020		15.0
Peaches, Frozen	154	0			0.020		15.0
Sweet Bell Peppers	328	0			0.020		0.05
TOTAL	**2,649**	**36**					
Carbaryl (insecticide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.010	0.007		3.0
Blueberries, Frozen	14	0			0.007		3.0
Broccoli	708	1	0.1	0.17	0.003		10
Cantaloupe	328	0			0.003		3.0
Carrots	708	0			0.005		2.0
Cauliflower	531	1	0.2	0.002	0.001		10
Celery	354	22	6.2	0.012 - 0.44	0.010		3.0
Eggplant	703	21	3	0.002 - 0.65	0.001 - 0.005		5.0
Grape Juice	700	71	10.1	0.008 - 0.048	0.005		10
Green Beans	700	2	0.3	0.026 - 0.18	0.003		10
Peaches	518	2	0.4	0.049 - 0.94	0.010		10
Peaches, Frozen	154	0			0.010		10
Pears	707	0			0.005		12

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
Plums	277	0			0.003		10
Summer Squash	698	0			0.002 - 0.003		3.0
Sweet Bell Peppers	319	6	1.9	0.018 - 0.097	0.010		5.0
Tangerines	531	0			0.005		10
Watermelon	175	0			0.002		3.0
Winter Squash	706	0			0.003		3.0
TOTAL	**9,523**	**127**					
Carbendazim - MBC (fungicide) (metabolite of Benomyl and Thiophanate Methyl)							
Blueberries, Cultivated, Fresh	692	9	1.3	0.001 - 0.018	0.001	V-9	NT
Blueberries, Frozen	14	0			0.001		NT
Broccoli	708	3	0.4	0.004 - 0.014	0.003	V-3	NT
Cantaloupe	328	3	0.9	0.001 - 0.031	0.001		1.0 TP
Carrots	708	1	0.1	0.018	0.010	V-1	NT
Cauliflower	531	1	0.2	0.002	0.001	V-1	NT
Celery	354	0			0.010		NT
Eggplant	346	1	0.3	0.012	0.010	V-1	NT
Grape Juice	700	1	0.1	0.008	0.005		5.0 TP
Green Beans	700	234	33.4	0.001 - 0.26	0.001		2.0 TP
Peaches	518	2	0.4	0.013 - 0.13	0.010		3.0 TP
Peaches, Frozen	154	1	0.6	0.022	0.010		3.0 TP
Pears	707	217	30.7	0.008 - 0.20	0.005		3.0 TP
Plums	277	1	0.4	0.002	0.001		0.5 TP
Summer Squash	698	5	0.7	0.001 - 0.020	0.001 - 0.010		1.0 TP
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.050		NT
Watermelon	175	5	2.9	0.013 - 0.060	0.010		1.0 TP
Winter Squash	639	13	2	0.001 - 0.015	0.001		1.0 TP
TOTAL	**9,099**	**497**					
Carbofuran (insecticide) (parent of 3-Hydroxycarbofuran)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	708	0			0.003		NT
Cantaloupe	328	0			0.002		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.003		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.005		NT
Plums	277	0			0.002		NT
Summer Squash	698	0			0.001 - 0.002		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.002		NT
Winter Squash	706	0			0.001		NT
TOTAL	**9,523**	**0**					
Carbophenothion (insecticide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**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
Carboxin (fungicide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.003		0.2
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	668	0			0.003 - 0.025		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.025		NT
Watermelon	175	0			0.025		NT
Winter Squash	706	0			0.003		NT
TOTAL	**5,188**	**0**					
Carfentrazone (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		0.10
Blueberries, Frozen	14	0			0.005		0.10
Broccoli	708	0			0.005 - 0.030		0.10
Cantaloupe	328	0			0.005		0.10
Carrots	708	0			0.020		0.10
Cauliflower	493	0			0.005 - 0.030		0.10
Celery	354	0			0.005		0.10
Eggplant	703	0			0.005 - 0.020		0.10
Grape Juice	700	0			0.006		0.10
Green Beans	700	0			0.003		0.10
Peaches	518	0			0.005		0.10
Peaches, Frozen	154	0			0.005		0.10
Pears	707	0			0.006		0.10
Plums	277	0			0.005		0.10
Summer Squash	698	0			0.003 - 0.005		0.10
Sweet Bell Peppers	328	0			0.005		0.10
Tangerines	531	0			0.005		0.10
Watermelon	175	0			0.005		0.10
Winter Squash	706	0			0.003		0.10
TOTAL	**9,494**	**0**					
Carpropamid (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chlorantraniliprole (insecticide)							
Blueberries, Cultivated, Fresh	692	13	1.9	0.011 - 0.11	0.010		2.5
Blueberries, Frozen	14	0			0.010		2.5
Broccoli	708	16	2.3	0.006 - 0.19	0.005		4.0
Cantaloupe	328	0			0.010		0.5
Carrots	708	0			0.020		0.30
Cauliflower	531	1	0.2	0.005	0.002		4.0
Celery	354	24	6.8	0.021 - 0.16	0.020		13
Eggplant	703	17	2.4	0.003 - 0.010	0.002 - 0.020		1.4
Grape Juice	700	14	2	0.007	0.004		2.5
Green Beans	700	46	6.6	0.005 - 0.048	0.005		2.0
Peaches	518	53	10.2	0.020 - 0.081	0.020		4.0 IT
Peaches, Frozen	154	0			0.020		4.0 IT
Pears	707	256	36.2	0.007 - 0.13	0.004		1.2

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
Plums	277	6	2.2	0.011 - 0.034	0.010		4.0 IT
Summer Squash	698	8	1.1	0.005 - 0.049	0.005		0.5
Sweet Bell Peppers	319	1	0.3	0.024	0.020		1.4
Tangerines	531	0			0.005		1.4
Watermelon	175	3	1.7	0.006 - 0.007	0.005		0.5
Winter Squash	706	14	2	0.005 - 0.024	0.005		0.5
TOTAL	**9,523**	**472**					
Chlorbromuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chlordimeform (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chlorethoxyfos (insecticide)							
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.003 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,810**	**0**					
Chlorfenapyr (insecticide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.041	0.015	X-1	0.01 FF
Blueberries, Frozen	14	0			0.015		0.01 FF
Broccoli	708	0			0.002		0.01 FF
Cantaloupe	328	0			0.015		0.01 FF
Carrots	708	0			0.020		0.01 FF
Cauliflower	531	0			0.002		0.01 FF
Celery	354	0			0.005		0.01 FF
Eggplant	703	23	3.3	0.004 - 0.18	0.002 - 0.020		2
Grape Juice	700	0			0.018		0.01 FF
Green Beans	700	0			0.010		0.01 FF
Peaches	518	0			0.005		0.01 FF
Peaches, Frozen	154	0			0.005		0.01 FF
Pears	707	0			0.018		0.01 FF
Plums	277	0			0.015		0.01 FF
Summer Squash	698	0			0.010 - 0.025		0.01 FF
Sweet Bell Peppers	328	45	13.7	0.005 - 0.16	0.005		2
Tangerines	531	0			0.025		0.01 FF
Watermelon	175	0			0.025		0.01 FF
Winter Squash	706	6	0.8	0.010 - 0.084	0.010	X-3	0.01 FF
TOTAL	**9,532**	**75**					
Chlorfenvinphos (insecticide)							
Broccoli	708	0			0.002 - 0.005		NT
Cauliflower	531	0			0.002 - 0.005		NT
Celery	354	0			0.005		NT
Eggplant	357	0			0.002		NT
Green Beans	700	0			0.001		NT
Peaches	518	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
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,721**	**0**					
Chlorfluazuron (insect growth regulator)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chlorimuron ethyl (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.003 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,810**	**0**					
Chlorobenzilate (acaricide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chloroneb (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chlorothalonil (fungicide)							
Blueberries, Cultivated, Fresh	692	3	0.4	0.029 - 0.099	0.020		1.0
Blueberries, Frozen	14	1	7.1	0.035	0.020		1.0
Cantaloupe	328	0			0.020		5.0
Celery	354	93	26.3	0.005 - 0.86	0.005		15
Green Beans	700	106	15.1	0.005 - 0.73	0.005 - 0.040		5
Peaches	518	1	0.2	0.010	0.005		0.5
Peaches, Frozen	154	0			0.005		0.5
Plums	277	0			0.020		0.2
Summer Squash	365	27	7.4	0.005 - 0.16	0.005		5.0
Sweet Bell Peppers	328	27	8.2	0.006 - 0.10	0.005		6.0
Winter Squash	706	85	12	0.005 - 0.43	0.005 - 0.020		5.0
TOTAL	**4,436**	**343**					
Chlorotoluron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chloroxuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**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
Chlorpropham (herbicide, growth regulator)							
Blueberries, Cultivated, Fresh	692	0			0.020		NT
Blueberries, Frozen	14	0			0.020		NT
Broccoli	708	23	3.2	0.002 - 0.031	0.001 - 0.003	V-23	NT
Cantaloupe	328	0			0.020		NT
Carrots	708	0			0.010		NT
Cauliflower	531	10	1.9	0.002 - 0.006	0.001 - 0.003	V-10	NT
Celery	354	0			0.005		NT
Eggplant	703	5	0.7	0.002 - 0.004	0.001 - 0.010	V-5	NT
Green Beans	700	15	2.1	0.001 - 0.036	0.001	V-15	NT
Peaches	518	5	1	0.005 - 0.024	0.005	V-5	NT
Peaches, Frozen	154	0			0.005		NT
Plums	246	0			0.020		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	328	4	1.2	0.005 - 0.023	0.005	V-4	NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	41	5.8	0.001 - 0.018	0.001	V-41	NT
TOTAL	**8,094**	**103**					
Chlorpyrifos (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.005		0.1 FF
Blueberries, Frozen	14	0			0.005		0.1 FF
Broccoli	708	8	1.1	0.002 - 0.14	0.001		1.0
Cantaloupe	328	0			0.005		0.1 FF
Carrots	708	0			0.010		0.1 FF
Cauliflower	531	1	0.2	0.11	0.001		1.0
Celery	354	0			0.005		0.1 FF
Eggplant	703	2	0.3	0.011 - 0.034	0.001 - 0.010		0.1 FF
Grape Juice	700	0			0.010		0.1 FF
Green Beans	700	9	1.3	0.003 - 0.10	0.003		0.1 FF
Peaches	518	2	0.4	0.005 - 0.012	0.005		0.1 FF
Peaches, Frozen	154	0			0.005		0.1 FF
Pears	707	0			0.010		0.1 FF
Plums	277	0			0.005		0.1 FF
Summer Squash	698	2	0.3	0.003 - 0.006	0.003 - 0.015		0.1 FF
Sweet Bell Peppers	328	19	5.8	0.006 - 0.22	0.005		1.0
Tangerines	531	0			0.015		1.0
Watermelon	175	1	0.6	0.025	0.015		0.1 FF
Winter Squash	706	7	1	0.003 - 0.031	0.003		0.1 FF
TOTAL	**9,532**	**51**					
Chlorpyrifos oxygen analog (metabolite of Chlorpyrifos)							
Blueberries, Cultivated, Fresh	692	0			0.004		0.1 FF
Blueberries, Frozen	14	0			0.004		0.1 FF
Broccoli	708	0			0.001 - 0.003		1.0
Cantaloupe	328	1	0.3	0.003	0.002		0.1 FF
Carrots	708	0			0.005		0.1 FF
Cauliflower	513	0			0.001		1.0
Celery	354	0			0.010		0.1 FF
Eggplant	703	0			0.001 - 0.005		0.1 FF
Grape Juice	700	0			0.002		0.1 FF
Green Beans	700	0			0.001		0.1 FF
Peaches	518	0			0.010		0.1 FF
Peaches, Frozen	154	0			0.010		0.1 FF
Pears	707	0			0.002		0.1 FF

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
Plums	277	0			0.002		0.1 FF
Summer Squash	698	0			0.001 - 0.005		0.1 FF
Sweet Bell Peppers	319	0			0.010		1.0
Tangerines	531	0			0.005		1.0
Watermelon	175	0			0.005		0.1 FF
Winter Squash	706	0			0.001		0.1 FF
TOTAL	**9,505**	**1**					
Chlorpyrifos methyl (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chlorpyrifos methyl oxygen analog (insecticide metabolite)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chlorsulfuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Chlorthiophos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Clethodim (herbicide)							
Carrots	708	0			0.035		1.0
Cauliflower	531	0			0.002		3.0
Celery	354	0			0.010		0.60
Eggplant	703	0			0.002 - 0.035		1.0
Green Beans	700	0			0.010		3.5
Peaches	518	0			0.010		0.20
Peaches, Frozen	154	0			0.010		0.20
Pears	707	0			0.005		0.20
Summer Squash	698	0			0.005 - 0.010		0.50
Sweet Bell Peppers	319	0			0.010		1.0
Tangerines	531	0			0.20		NT
Watermelon	175	0			0.005		2.0
Winter Squash	706	0			0.010		0.50
TOTAL	**6,804**	**0**					
Clethodim 5-OH sulfone (herbicide metabolite)							
Carrots	708	0			0.10		1.0
Eggplant	346	0			0.10		1.0
TOTAL	**1,054**	**0**					
Clethodim sulfone (herbicide metabolite)							
Carrots	708	0			0.040		1.0
Eggplant	346	0			0.040		1.0
TOTAL	**1,054**	**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 sulfoxide (herbicide metabolite)							
Carrots	708	0			0.040		1.0
Eggplant	346	0			0.040		1.0
TOTAL	**1,054**	**0**					
Clodinafop propargyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Clofentezine (insecticide)							
Carrots	708	0			0.040 - 0.080		NT
Eggplant	346	0			0.040		NT
Grape Juice	700	0			0.003		1.0
Green Beans	700	0			0.005		NT
Pears	707	4	0.6	0.005 - 0.012	0.003		0.50
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**4,232**	**4**					
Clomazone (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	0			0.002		0.10
Cantaloupe	328	0			0.005		0.05
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.002		0.10
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.020		NT
Green Beans	700	0			0.001		0.05
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.005		NT
Summer Squash	698	0			0.001 - 0.005		0.1 IT
Sweet Bell Peppers	328	0			0.005		0.05
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.05
Winter Squash	706	1	0.1	0.001	0.001		0.1 IT
TOTAL	**8,125**	**1**					
Cloquintocet-mexyl (herbicide safener)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Cloransulam methyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Clothianidin (insecticide) (also a metabolite of Thiamethoxam)							
Blueberries, Cultivated, Fresh	692	2	0.3	0.013 - 0.018	0.010		0.30 TP
Blueberries, Frozen	14	0			0.010		0.30 TP

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
Broccoli	708	37	5.2	0.006 - 0.031	0.005		4.5 TP
Cantaloupe	328	19	5.8	0.011 - 0.057	0.010		0.2 TP
Carrots	708	0			0.035		0.8
Cauliflower	531	13	2.4	0.003 - 0.009	0.002		4.5 TP
Celery	354	3	0.8	0.011 - 0.023	0.010		4.0 TP
Eggplant	703	55	7.8	0.003 - 0.049	0.002 - 0.035		0.25 TP
Grape Juice	700	0			0.020		0.60
Green Beans	700	17	2.4	0.002 - 0.14	0.001	X-2	0.02 TP
Peaches	518	38	7.3	0.010 - 0.062	0.010		0.80
Peaches, Frozen	154	0			0.010		0.80
Pears	707	11	1.6	0.033	0.020		1.0
Plums	277	0			0.010		0.5 TP
Summer Squash	698	34	4.9	0.001 - 0.007	0.001 - 0.025		0.2 TP
Sweet Bell Peppers	319	79	24.8	0.010 - 0.15	0.010		0.80
Tangerines	531	1	0.2	0.034	0.025		0.40 TP
Watermelon	175	3	1.7	0.025 - 0.038	0.025		0.2 TP
Winter Squash	706	19	2.7	0.001 - 0.010	0.001		0.2 TP
TOTAL	**9,523**	**331**					
Coumaphos (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.002 - 0.005		NT
Cantaloupe	328	0			0.010		NT
Cauliflower	531	0			0.002 - 0.005		NT
Celery	354	0			0.005		NT
Eggplant	357	0			0.002		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,032**	**0**					
Coumaphos oxygen analog (metabolite of Coumaphos)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.003		NT
Cantaloupe	328	0			0.010		NT
Cauliflower	531	0			0.003		NT
Eggplant	357	0			0.003		NT
Green Beans	700	0			0.001		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,678**	**0**					
Crotoxyphos (insecticide, acaricide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**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)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Cumyluron (herbicide)							
Celery	354	0			0.010		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Sweet Bell Peppers	319	0			0.010		NT
TOTAL	**1,345**	**0**					
Cyanazine (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Cyantraniliprole (insecticide)							
Broccoli	708	14	2	0.008 - 0.39	0.008		3.0
Carrots	708	0			0.15		0.40
Cauliflower	531	0			0.002		3.0
Eggplant	703	9	1.3	0.004 - 0.023	0.002 - 0.15		2.0
Grape Juice	700	0			0.015		NT
Green Beans	700	16	2.3	0.003 - 0.18	0.003		2.0
Pears	707	19	2.7	0.025 - 0.084	0.015		1.5
Summer Squash	698	4	0.6	0.005 - 0.015	0.003 - 0.005		0.70
Tangerines	531	0			0.005		0.70
Watermelon	175	0			0.005		0.70
Winter Squash	706	0			0.003		0.70
TOTAL	**6,867**	**62**					
Cyazofamid (fungicide)							
Broccoli	708	0			0.006		1.5
Carrots	708	4	0.6	0.020 - 0.025	0.020		0.09
Cauliflower	531	0			0.006		1.5
Eggplant	703	1	0.1	0.010	0.006 - 0.020		0.9
Grape Juice	700	0			0.003		1.5 R
Green Beans	700	2	0.3	0.013 - 0.014	0.010		0.5
Summer Squash	698	2	0.3	0.013 - 0.020	0.010		0.10
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		0.10
Winter Squash	706	1	0.1	0.014	0.010		0.10
TOTAL	**6,160**	**10**					
Cyclaniliprole (insecticide)							
Carrots	708	0			0.010 - 0.070		EX1
Eggplant	346	0			0.010 - 0.050		0.20
Pears	707	0			0.010		0.30
Summer Squash	333	0			0.010		0.15
Tangerines	531	0			0.010		0.4
Watermelon	175	0			0.010		0.15
TOTAL	**2,800**	**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
Cyflufenamid (fungicide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.005		0.20
Grape Juice	700	0			0.003		0.15
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.003		0.06
Summer Squash	698	42	6	0.001 - 0.038	0.001 - 0.005		0.10
Sweet Bell Peppers	319	0			0.010		0.20
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.10
Winter Squash	706	86	12.2	0.001 - 0.051	0.001		0.10
TOTAL	**6,616**	**128**					
Cyflumetofen (acaricide)							
Carrots	708	0			0.015		NT
Eggplant	346	2	0.6	0.018 - 0.029	0.015		2
Grape Juice	700	0			0.005		0.60
Green Beans	589	0			0.005		NT
Pears	707	45	6.4	0.008 - 0.073	0.005		0.30
Summer Squash	559	0			0.005 - 0.020		NT
Tangerines	439	0			0.10		0.30
Winter Squash	588	0			0.005		NT
TOTAL	**4,636**	**47**					
Cyfluthrin (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.004		0.05 FF
Blueberries, Frozen	14	0			0.004		0.05 FF
Broccoli	708	1	0.1	0.012	0.008 - 0.025		2.5
Cantaloupe	328	0			0.004		0.1
Carrots	708	0			0.025		0.20
Cauliflower	531	0			0.008 - 0.025		2.5
Celery	354	1	0.3	0.008	0.005		6.0
Eggplant	636	0			0.025		0.5
Grape Juice	700	0			0.015		1.0
Green Beans	700	17	2.4	0.003 - 0.029	0.003		0.05 FF
Peaches	518	63	12.2	0.006 - 0.13	0.005		0.3
Peaches, Frozen	154	0			0.005		0.3
Pears	707	1	0.1	0.025	0.015		0.5
Plums	277	0			0.004		0.3
Summer Squash	698	2	0.3	0.004 - 0.005	0.003 - 0.050		0.1
Sweet Bell Peppers	328	19	5.8	0.005 - 0.044	0.005		0.50
Tangerines	531	0			0.050		0.2
Watermelon	175	1	0.6	0.063	0.050		0.1
Winter Squash	706	8	1.1	0.003 - 0.015	0.003		0.1
TOTAL	**9,465**	**113**					
Cyhalothrin, Total (Cyhalothrin-L + R157836 epimer) (insecticide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.005	0.005		0.01 FF
Blueberries, Frozen	14	0			0.005		0.01 FF
Broccoli	708	39	5.5	0.005 - 0.059	0.003		0.4
Cantaloupe	328	0			0.005		0.05
Carrots	708	0			0.015		0.01 FF
Cauliflower	531	0			0.003		0.4
Celery	354	2	0.6	0.009 - 0.037	0.008	X-1	0.01 FF

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
Eggplant	703	0			0.003 - 0.015		0.20
Grape Juice	700	0			0.015		0.01 FF
Green Beans	700	112	16	0.003 - 0.056	0.003		0.20
Peaches	518	90	17.4	0.008 - 0.076	0.008		0.50
Peaches, Frozen	154	0			0.008		0.50
Pears	707	6	0.8	0.025 - 0.060	0.015		0.30
Plums	277	0			0.005		0.50
Summer Squash	698	12	1.7	0.003 - 0.013	0.003 - 0.005		0.05
Sweet Bell Peppers	328	24	7.3	0.008 - 0.11	0.008		0.20
Tangerines	531	0			0.005		0.01 FF
Watermelon	175	0			0.005		0.05
Winter Squash	706	10	1.4	0.003 - 0.008	0.003		0.05
TOTAL	**9,532**	**296**					
Cymoxanil (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Cantaloupe	328	0			0.005		0.05
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.010		NT
Celery	354	0			0.010		6.0
Eggplant	703	0			0.010 - 0.020		0.2
Grape Juice	700	0			0.025		0.10 R
Green Beans	700	0			0.010		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.005		NT
Summer Squash	698	0			0.010 - 0.050		0.05
Sweet Bell Peppers	319	0			0.010		0.2
Tangerines	531	0			0.10		NT
Watermelon	175	0			0.050		0.05
Winter Squash	706	0			0.010		0.05
TOTAL	**8,108**	**0**					
Cypermethrin (insecticide)							
Blueberries, Cultivated, Fresh	692	159	23	0.010 - 0.60	0.010		0.8
Blueberries, Frozen	14	7	50	0.017 - 0.14	0.010		0.8
Broccoli	708	16	2.3	0.037 - 2.5	0.022	X-1	2.0
Cantaloupe	328	0			0.010		0.2
Carrots	708	0			0.035		0.1
Cauliflower	531	0			0.022		2.0
Celery	354	8	2.3	0.010 - 0.070	0.010		10
Eggplant	703	3	0.4	0.043 - 0.091	0.022 - 0.075		0.2
Grape Juice	700	0			0.070		2
Green Beans	700	109	15.6	0.005 - 0.19	0.005		0.7
Peaches	518	7	1.4	0.013 - 0.19	0.010		2
Peaches, Frozen	154	0			0.010		2
Pears	707	0			0.070		2
Plums	277	0			0.010		2
Summer Squash	698	2	0.3	0.005 - 0.029	0.005 - 0.050		0.2
Sweet Bell Peppers	328	69	21	0.010 - 0.14	0.010		0.2
Tangerines	531	0			0.050		0.35 IT
Watermelon	175	0			0.050		0.2
Winter Squash	706	23	3.3	0.005 - 0.028	0.005		0.2
TOTAL	**9,532**	**403**					

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
Cyphenothrin (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.015		NT
Blueberries, Frozen	14	0			0.015		NT
Cantaloupe	328	0			0.015		NT
Carrots	708	0			0.060		NT
Celery	354	0			0.008		NT
Eggplant	346	0			0.060		NT
Grape Juice	700	0			0.050		NT
Green Beans	700	0			0.015		NT
Peaches	518	0			0.008		NT
Peaches, Frozen	154	0			0.008		NT
Pears	707	0			0.050		NT
Plums	277	0			0.015		NT
Summer Squash	662	0			0.015 - 0.050		NT
Sweet Bell Peppers	328	0			0.008		NT
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.050		NT
Winter Squash	672	0			0.015		NT
TOTAL	**7,866**	**0**					
Cyprazine (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Cyproconazole (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	2	0.3	0.002 - 0.004	0.001	V-2	NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,136**	**2**					
Cyprodinil (fungicide)							
Blueberries, Cultivated, Fresh	692	211	30.5	0.005 - 1.6	0.005		5.0
Blueberries, Frozen	14	5	35.7	0.027 - 0.10	0.005		5.0
Broccoli	708	16	2.3	0.002 - 0.16	0.001		1.0
Cantaloupe	328	7	2.1	0.006 - 0.015	0.005		0.70
Carrots	708	0			0.015		0.75
Cauliflower	531	0			0.001		1.0
Celery	354	1	0.3	0.010	0.005		30
Eggplant	294	13	4.4	0.016 - 0.060	0.015		1.5
Grape Juice	700	0			0.003		3.0
Green Beans	700	0			0.003		0.6
Peaches	518	91	17.6	0.005 - 0.63	0.005		2.0
Peaches, Frozen	154	31	20.1	0.005 - 0.054	0.005		2.0
Pears	707	2	0.3	0.005 - 0.41	0.003		1.7
Plums	277	14	5.1	0.009 - 0.16	0.005		2.0
Summer Squash	698	8	1.1	0.003 - 0.030	0.003 - 0.005		0.70
Sweet Bell Peppers	328	9	2.7	0.009 - 0.12	0.005		1.5
Tangerines	531	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
Watermelon	175	8	4.6	0.005 - 0.022	0.005		0.70
Winter Squash	706	12	1.7	0.003 - 0.016	0.003		0.70
TOTAL	**9,123**	**428**					
Cyprosulfamide (herbicide safener)							
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.003 - 0.005		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,156**	**0**					
Cyromazine (insect growth regulator)							
Carrots	708	0			0.10		NT
Eggplant	346	0			0.10		3
Green Beans	700	18	2.6	0.006 - 0.13	0.005		2.0
Summer Squash	698	2	0.3	0.005 - 0.026	0.005 - 0.050		1.0
Watermelon	147	0			0.050		1.0
Winter Squash	706	4	0.6	0.009 - 0.015	0.005		1.0
TOTAL	**3,305**	**24**					
Daimuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
DCPA (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	708	236	33.3	0.002 - 0.078	0.001		5.0
Cantaloupe	328	0			0.002		1.0
Carrots	708	0			0.020		NT
Cauliflower	531	25	4.7	0.002 - 0.006	0.001		5.0
Celery	354	2	0.6	0.007 - 0.024	0.005	V-2	NT
Eggplant	703	0			0.001 - 0.020		1.0 IN
Green Beans	700	9	1.3	0.001 - 0.003	0.001		2.0 IN
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.002		NT
Summer Squash	698	2	0.3	0.002 - 0.003	0.001 - 0.005		1.0 IN
Sweet Bell Peppers	328	0			0.005		2.0 IN
Tangerines	531	0			0.005		NT
Watermelon	175	1	0.6	0.010	0.005		1.0
Winter Squash	706	2	0.3	0.002	0.001		1.0 IN
TOTAL	**8,125**	**277**					
DEF - Tribufos (herbicide, plant growth regulator)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Deltamethrin (includes parent Tralomethrin) (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.015		0.05 FF
Blueberries, Frozen	14	0			0.015		0.05 FF

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
Broccoli	708	0			0.012		0.05 FF
Cantaloupe	328	0			0.015		0.2
Carrots	708	0			0.070		0.2
Cauliflower	531	0			0.012		0.05 FF
Celery	354	0			0.008		0.05 FF
Eggplant	703	0			0.012 - 0.14		0.3
Grape Juice	700	0			0.020		0.05 FF
Green Beans	700	8	1.1	0.003 - 0.015	0.001		0.05 FF
Peaches	518	0			0.008		0.05 FF
Peaches, Frozen	154	0			0.008		0.05 FF
Pears	707	0			0.020		0.2
Plums	277	0			0.015		0.05 FF
Summer Squash	698	0			0.001 - 0.050		0.2
Sweet Bell Peppers	328	7	2.1	0.008 - 0.026	0.008		0.3
Tangerines	531	0			0.050		0.05 FF
Watermelon	175	0			0.050		0.2
Winter Squash	706	0			0.001		0.2
TOTAL	**9,532**	**15**					
Demeton-O (metabolite of the insecticide Demeton)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Demeton-S (metabolite of Demeton)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Demeton-S methyl (insecticide metabolite)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Demeton-S sulfone (metabolite of Demeton-S)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Demeton-S sulfoxide (metabolite of Demeton-S)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Desethyl atrazine (herbicide metabolite)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Desmedipham (herbicide)							
Carrots	708	0			0.060		NT
Eggplant	346	0			0.060		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
Summer Squash	333	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
TOTAL	**2,093**	**0**					
Desmetryn (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Dialifos (insecticide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Diazinon (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.005		0.50
Blueberries, Frozen	14	0			0.005		0.50
Broccoli	708	0			0.001		0.70
Cantaloupe	328	0			0.005		0.75
Carrots	708	0			0.010		0.75
Cauliflower	531	0			0.001		0.70
Celery	354	0			0.002		0.70 R
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.001		0.75 IT
Green Beans	700	0			0.001		0.50
Peaches	518	0			0.002		0.20
Peaches, Frozen	154	0			0.002		0.20
Pears	707	2	0.3	0.002 - 0.003	0.001		0.50
Plums	277	0			0.005		0.20
Summer Squash	698	0			0.001 - 0.005		0.50 R
Sweet Bell Peppers	319	1	0.3	0.024	0.002		0.5 R
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.75
Winter Squash	706	0			0.001		0.75 R
TOTAL	**9,523**	**3**					
Diazinon oxygen analog (metabolite of Diazinon)							
Broccoli	708	0			0.001		0.70
Carrots	708	0			0.010		0.75
Cauliflower	531	0			0.001		0.70
Celery	354	0			0.001		0.70 R
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.002		0.75 IT
Green Beans	700	0			0.001		0.50
Peaches	518	0			0.001		0.20
Peaches, Frozen	154	0			0.001		0.20
Pears	707	0			0.002		0.50
Summer Squash	365	0			0.001		0.50 R
Sweet Bell Peppers	319	0			0.001		0.5 R
Tangerines	531	0			0.005		NT
Winter Squash	706	0			0.001		0.75 R
TOTAL	**7,704**	**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
Dichlobenil (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		0.15
Blueberries, Frozen	14	0			0.010		0.15
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.001		0.15
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		0.15
Peaches, Frozen	154	0			0.005		0.15
Pears	707	0			0.001		0.5
Plums	277	0			0.010		0.15
Summer Squash	698	0			0.001 - 0.002		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.002		NT
Watermelon	175	0			0.002		NT
Winter Squash	706	0			0.001		NT
TOTAL	**9,532**	**0**					
Dichlofenthion (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Dichlormid (herbicide safener)							
Carrots	708	0			0.040		0.05
Eggplant	346	0			0.040		0.05
Green Beans	700	0			0.020		0.05
Summer Squash	698	0			0.005 - 0.020		0.05
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.05
Winter Squash	706	0			0.020		0.05
TOTAL	**3,864**	**0**					
Dichlorobenzophenone o,p' (insecticide) (also a breakdown product of Dicofol)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	690	0			0.001		NT
TOTAL	**1,755**	**0**					
Dichlorobenzophenone p,p' (insecticide) (also a breakdown product of Dicofol)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	690	0			0.001		NT
TOTAL	**1,755**	**0**					
Dichlorvos - DDVP (insecticide) (also a metabolite of Naled)							
Blueberries, Cultivated, Fresh	692	0			0.020		0.5 TP
Blueberries, Frozen	14	0			0.020		0.5 TP
Broccoli	708	0			0.003		1 TP
Cantaloupe	328	0			0.020		0.5 TP
Carrots	708	0			0.010		0.5 TP
Cauliflower	531	0			0.010		1 TP

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
Celery	354	0			0.010		3 TP
Eggplant	703	0			0.003 - 0.010		0.5 TP
Grape Juice	700	0			0.075		0.5 TP
Green Beans	700	0			0.040		0.5 TP
Peaches	518	0			0.010		0.5 TP
Peaches, Frozen	154	0			0.010		0.5 TP
Pears	707	0			0.075		0.5 TP
Plums	277	0			0.020		0.5 TP
Summer Squash	698	0			0.005 - 0.040		0.5 TP
Sweet Bell Peppers	319	0			0.010		0.5 TP
Tangerines	531	0			0.005		3 TP
Watermelon	175	0			0.005		0.5 TP
Winter Squash	706	0			0.040		0.5 TP
TOTAL	**9,523**	**0**					
Diclobutrazol (fungicide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Diclofop methyl (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.001		NT
Blueberries, Frozen	14	0			0.001		NT
Cantaloupe	328	0			0.001		NT
Green Beans	700	0			0.001		NT
Plums	216	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,021**	**0**					
Dicloran (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.016		NT
Blueberries, Frozen	14	0			0.016		NT
Broccoli	708	0			0.002		NT
Cantaloupe	327	0			0.016		NT
Carrots	708	0			0.020		10 IT
Cauliflower	531	0			0.002		NT
Celery	354	24	6.8	0.006 - 0.44	0.005		15
Eggplant	703	0			0.002 - 0.020		NT
Grape Juice	700	0			0.015		10
Green Beans	700	63	9	0.001 - 2.2	0.001		20
Peaches	518	0			0.005		20
Peaches, Frozen	154	0			0.005		20
Plums	277	0			0.016		15
Summer Squash	698	0			0.001 - 0.010		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,824**	**87**					
Diclosulam (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**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 (insecticide)							
Grape Juice	700	0			0.004		5.0 IT
Pears	707	0			0.004		10.0 IT
TOTAL	**1,407**	**0**					
Dicofol o,p' (isomer of Dicofol)							
Carrots	708	0			0.015		NT
Eggplant	346	0			0.015		2.0 IT
TOTAL	**1,054**	**0**					
Dicofol p,p' (isomer of Dicofol)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.001		NT
Cantaloupe	327	0			0.010		2.0 IT
Carrots	708	0			0.025		NT
Cauliflower	531	0			0.001		NT
Eggplant	703	0			0.001 - 0.025		2.0 IT
Plums	277	0			0.010		5.0 IT
Summer Squash	333	0			0.005		2.0 IT
Tangerines	531	0			0.005		6.0 IT
Watermelon	175	1	0.6	0.025	0.005		2.0 IT
TOTAL	**4,999**	**1**					
Dicrotophos (insecticide)							
Broccoli	708	0			0.001		NT
Cauliflower	531	0			0.001		NT
Eggplant	357	0			0.001		NT
Green Beans	700	1	0.1	0.003	0.001	V-1	NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,367**	**1**					
Diethofencarb (fungicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Difenoconazole (fungicide)							
Blueberries, Cultivated, Fresh	692	39	5.6	0.010 - 0.77	0.010		5.0
Blueberries, Frozen	14	0			0.010		0.2
Broccoli	708	15	2.1	0.004 - 0.57	0.003		4.0
Cantaloupe	328	0			0.010		4.0
Carrots	708	12	1.7	0.005 - 0.014	0.005		2.0
Cauliflower	531	3	0.6	0.002 - 0.008	0.001		0.70
Celery	354	0			0.005		0.6
Eggplant	703	51	7.3	0.002 - 0.033	0.001 - 0.005		2.0
Green Beans	700	13	1.9	0.002 - 0.040	0.001		35
Peaches	518	60	11.6	0.005 - 0.10	0.005		0.60
Peaches, Frozen	154	0			0.005	V-3	NT
Pears	707	19	2.7	0.002 - 0.060	0.001		NT
Plums	277	0			0.010		0.60
Summer Squash	698	9	1.3	0.001 - 0.010	0.001 - 0.002		0.6
Sweet Bell Peppers	319	38	11.9	0.006 - 0.085	0.005		0.70
Tangerines	531	0			0.002		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
Watermelon	175	0			0.002		0.60
Winter Squash	706	13	1.8	0.001 - 0.007	0.001		0.60
TOTAL	**8,823**	**272**					
Diflubenzuron (insecticide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.003	0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	688	0			0.003		NT
Cantaloupe	299	0			0.002		NT
Carrots	708	0			0.080		0.20
Cauliflower	531	0			0.001 - 0.003		NT
Eggplant	703	0			0.001 - 0.080		9.0
Green Beans	700	0			0.001		1.0
Pears	707	0			0.002	V-2	NT
Plums	277	8	2.9	0.002 - 0.005	0.002		NT
Summer Squash	698	0			0.001 - 0.020		3.0
Tangerines	531	0			0.020		NT
Watermelon	175	0			0.020		3.0
Winter Squash	706	0			0.001		NT
TOTAL	**7,429**	**9**					
Dimepiperate (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Dimethenamid (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.002		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.002		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		0.01 R
TOTAL	**8,125**	**0**					
Dimethipin (plant growth regulator)							
Green Beans	700	0			0.020		NT
Summer Squash	365	0			0.020		NT
Winter Squash	706	0			0.020		NT
TOTAL	**1,771**	**0**					
Dimethoate (insecticide) (parent of Omethoate)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.007	0.005		1.0 FU
Blueberries, Frozen	14	0			0.005		1.0 FU
Broccoli	708	1	0.1	0.005	0.003		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
Cantaloupe	328	0			0.005		1.0
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		2.0
Celery	354	3	0.8	0.011 - 0.037	0.010		2.0
Eggplant	703	1	0.1	0.004	0.001 - 0.010	V-1	NT
Green Beans	700	32	4.6	0.001 - 0.27	0.001		2.0
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.005		2.0
Plums	277	0			0.005		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	319	1	0.3	0.010	0.010		2.0
Tangerines	531	0			0.005		2.0
Watermelon	175	0			0.005		1.0
Winter Squash	706	0			0.001		NT
TOTAL	**8,823**	**39**					
Dimethomorph (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.003		NT
Blueberries, Frozen	14	0			0.003		NT
Broccoli	708	8	1.1	0.002 - 0.089	0.001		6.0
Cantaloupe	328	0			0.003		0.5
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		6.0
Celery	354	0			0.010		30.0
Eggplant	703	6	0.9	0.002 - 0.019	0.001 - 0.010		1.5
Grape Juice	700	0			0.010		3.0
Green Beans	700	2	0.3	0.006 - 0.012	0.003	V-2	NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.003		NT
Summer Squash	698	1	0.1	0.038	0.003 - 0.020		0.5
Sweet Bell Peppers	319	3	0.9	0.012 - 0.025	0.010		1.5
Tangerines	531	0			0.020		NT
Watermelon	175	0			0.020		0.5
Winter Squash	706	5	0.7	0.003 - 0.007	0.003		0.5
TOTAL	**8,816**	**25**					
Dimethylvinphos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Dimetilan (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Dimoxystrobin (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**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
Diniconazole (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Dinotefuran (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.003		0.2
Blueberries, Frozen	14	0			0.003		0.2
Broccoli	708	8	1.1	0.010	0.006		1.4
Cantaloupe	328	95	29	0.003 - 0.082	0.003		0.5
Carrots	708	0			0.015		0.01 FF
Cauliflower	531	0			0.006		1.4
Celery	354	4	1.1	0.015 - 0.027	0.010		5.0
Eggplant	703	77	11	0.010 - 0.16	0.006 - 0.015		0.7
Grape Juice	700	0			0.030		0.9
Green Beans	700	23	3.3	0.003 - 0.049	0.003	X-4	0.01 FF
Peaches	499	4	0.8	0.017 - 0.085	0.010		2.0 IT
Peaches, Frozen	154	0			0.010		2.0 IT
Pears	707	0			0.030		2.0 IT
Plums	277	0			0.003		2.0 IT
Summer Squash	698	31	4.4	0.003 - 0.19	0.003 - 0.040		0.5
Sweet Bell Peppers	319	42	13.2	0.010 - 0.62	0.010		0.7
Tangerines	531	0			0.040		0.01 FF
Watermelon	175	0			0.040		0.5
Winter Squash	706	30	4.2	0.003 - 0.051	0.003		0.5
TOTAL	**9,504**	**314**					
Dioxacarb (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Dioxathion (insecticide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Diphenamid (herbicide)							
Broccoli	708	0			0.002		NT
Cauliflower	531	0			0.002		NT
Celery	354	0			0.005		NT
Eggplant	357	0			0.002		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,721**	**0**					
Diphenylamine - DPA (plant growth regulator)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	708	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
Cantaloupe	327	0			0.002		NT
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.003		NT
Celery	334	0			0.005		NT
Eggplant	703	0			0.003 - 0.020		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Pears	648	86	13.3	0.005 - 0.074	0.003		5.0 PH
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,436**	**86**					
Dipropetryn (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Disulfoton (insecticide)							
Carrots	708	0			0.050 - 0.10		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.050		NT
Green Beans	700	0			0.001		0.75 IT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,179**	**0**					
Disulfoton oxygen analog (metabolite of Disulfoton)							
Blueberries, Cultivated, Fresh	692	0			0.001		NT
Blueberries, Frozen	14	0			0.001		NT
Broccoli	708	0			0.001		0.75 IT
Cantaloupe	328	0			0.001		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.001		0.75 IT
Eggplant	703	0			0.001 - 0.005		NT
Plums	277	0			0.001		NT
Summer Squash	333	0			0.001		NT
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		NT
TOTAL	**5,000**	**0**					
Disulfoton sulfone (metabolite of Disulfoton)							
Blueberries, Cultivated, Fresh	692	0			0.020		NT
Blueberries, Frozen	14	0			0.020		NT
Broccoli	708	0			0.001		0.75 IT
Cantaloupe	328	0			0.020		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		0.75 IT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		0.75 IT
Peaches	518	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
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.020		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,077**	**0**					
Disulfoton sulfone oxygen analog (metabolite of Disulfoton)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
TOTAL	**1,054**	**0**					
Disulfoton sulfoxide (metabolite of Disulfoton)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	0			0.001		0.75 IT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.001		0.75 IT
Eggplant	703	0			0.001 - 0.005		NT
Green Beans	700	0			0.001		0.75 IT
Plums	277	0			0.005		NT
Summer Squash	365	0			0.001		NT
Tangerines	531	0			0.002		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,263**	**0**					
Disulfoton sulfoxide oxygen analog (metabolite of Disulfoton)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
TOTAL	**1,054**	**0**					
Ditalimfos (fungicide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Dithiopyr (herbicide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**2,825**	**0**					
Diuron (herbicide)							
Blueberries, Cultivated, Fresh	692	2	0.3	0.005 - 0.019	0.002		0.1
Blueberries, Frozen	14	0			0.002		0.1
Broccoli	708	0			0.004		NT
Cantaloupe	328	1	0.3	0.004	0.002	V-1	NT
Carrots	708	0			0.015		NT
Cauliflower	531	0			0.004		NT
Eggplant	703	0			0.004 - 0.015		NT
Grape Juice	700	0			0.006		0.05
Green Beans	700	0			0.010		NT
Pears	707	0			0.006		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
Plums	277	0			0.002		NT
Summer Squash	698	0			0.010		NT
Tangerines	531	0			0.010		0.05
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**8,178**	**3**					
DMST (4-dimethylaminosulphotosluidide) (metabolite of Tolyfluanid)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Dodine (fungicide)							
Green Beans	700	0			0.010		NT
Pears	707	2	0.3	0.008	0.005		5.0
Summer Squash	365	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**2,478**	**2**					
Edifenphos (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Emamectin (insecticide)							
Green Beans	560	0			0.010		NT
Summer Squash	314	0			0.010		0.02
Winter Squash	588	0			0.010		0.02
TOTAL	**1,462**	**0**					
Emamectin benzoate [1] (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	3	0.4	0.002	0.001 - 0.003		0.05
Cantaloupe	328	0			0.010		0.02
Carrots	614	0			0.005 - 0.20		NT
Cauliflower	531	1	0.2	0.008	0.001 - 0.003		0.05
Celery	354	0			0.010		0.1
Eggplant	616	1	0.2	0.005	0.001 - 0.005		0.02
Peaches	399	0			0.010		NT
Peaches, Frozen	147	0			0.010		NT
Pears	707	1	0.1	0.002	0.001		0.02
Plums	277	0			0.010		NT
Sweet Bell Peppers	319	0			0.010		0.02
TOTAL	**5,706**	**6**					
Endosulfan I (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		0.3 IT
Blueberries, Frozen	14	0			0.010		0.3 IT
Broccoli	708	0			0.005		3.0 IT
Cantaloupe	328	0			0.010		1.0 IT
Carrots	708	0			0.030		0.2 IT
Cauliflower	531	0			0.005		2.0 IT
Celery	354	0			0.005		8.0 IT
Eggplant	703	0			0.005 - 0.030		1.0 IT
Green Beans	700	1	0.1	0.002	0.001		2.0 IT

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
Peaches	518	0			0.005		2.0 IT
Peaches, Frozen	154	0			0.005		2.0 IT
Pears	707	0			0.006		2.0 IT
Plums	277	0			0.010		2.0 IT
Summer Squash	698	0			0.001 - 0.010		1.0 IT
Sweet Bell Peppers	328	0			0.005		2.0 IT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		1.0 IT
Winter Squash	706	0			0.001		1.0 IT
TOTAL	**8,832**	**1**					
Endosulfan II (isomer of Endosulfan)							
Blueberries, Cultivated, Fresh	692	0			0.015		0.3 IT
Blueberries, Frozen	14	0			0.015		0.3 IT
Broccoli	708	0			0.001		3.0 IT
Cantaloupe	328	0			0.015		1.0 IT
Carrots	708	0			0.030		0.2 IT
Cauliflower	531	0			0.001		2.0 IT
Celery	354	0			0.005		8.0 IT
Eggplant	703	0			0.001 - 0.030		1.0 IT
Green Beans	700	0			0.001		2.0 IT
Peaches	518	0			0.005		2.0 IT
Peaches, Frozen	154	0			0.005		2.0 IT
Pears	707	0			0.020		2.0 IT
Plums	277	0			0.015		2.0 IT
Summer Squash	698	0			0.001 - 0.005		1.0 IT
Sweet Bell Peppers	328	0			0.005		2.0 IT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		1.0 IT
Winter Squash	706	0			0.001		1.0 IT
TOTAL	**8,832**	**0**					
Endosulfan sulfate (metabolite of Endosulfan)							
Blueberries, Cultivated, Fresh	692	0			0.005		0.3 IT
Blueberries, Frozen	14	0			0.005		0.3 IT
Broccoli	708	0			0.018		3.0 IT
Cantaloupe	328	0			0.005		1.0 IT
Carrots	708	0			0.030		0.2 IT
Cauliflower	531	0			0.018		2.0 IT
Celery	354	0			0.005		8.0 IT
Eggplant	673	0			0.018 - 0.030		1.0 IT
Green Beans	700	1	0.1	0.010	0.001		2.0 IT
Peaches	518	1	0.2	0.053	0.005		2.0 IT
Peaches, Frozen	154	0			0.005		2.0 IT
Pears	707	0			0.004		2.0 IT
Plums	277	0			0.005		2.0 IT
Summer Squash	698	7	1	0.001 - 0.067	0.001 - 0.015		1.0 IT
Sweet Bell Peppers	328	0			0.005		2.0 IT
Tangerines	531	0			0.015		NT
Watermelon	175	0			0.015		1.0 IT
Winter Squash	706	1	0.1	0.024	0.001		1.0 IT
TOTAL	**8,802**	**10**					
EPN (insecticide)							
Carrots	708	0			0.040		NT
Eggplant	346	0			0.040		NT
Green Beans	700	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
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,825**	**0**					
Epoxiconazole (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
EPTC (herbicide)							
Broccoli	708	0			0.001 - 0.003		NT
Carrots	708	1	0.1	0.047	0.035		0.1
Cauliflower	531	0			0.001 - 0.003		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.035		NT
Green Beans	700	2	0.3	0.003 - 0.008	0.003		0.08
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	698	0			0.003 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.005		0.1
Watermelon	175	0			0.005		NT
Winter Squash	690	0			0.003		NT
TOTAL	**6,789**	**3**					
Esfenvalerate+Fenvalerate Total (insecticide)							
Blueberries, Cultivated, Fresh	692	27	3.9	0.006 - 0.13	0.005		1.0
Blueberries, Frozen	14	1	7.1	0.017	0.005		1.0
Broccoli	708	4	0.6	0.004 - 0.023	0.002		1.0
Cantaloupe	269	0			0.005		0.5
Cauliflower	531	0			0.002		0.5
Celery	354	0			0.005		0.05 FF
Eggplant	305	0			0.008		0.5
Grape Juice	700	0			0.025		0.05 FF
Peaches	518	22	4.2	0.005 - 0.045	0.005		3.0
Peaches, Frozen	154	0			0.005		3.0
Pears	707	0			0.025		1.0
Plums	250	0			0.005		3.0
Summer Squash	333	0			0.050		0.5
Sweet Bell Peppers	328	11	3.4	0.006 - 0.020	0.005		0.5
Tangerines	531	0			0.050		0.05 FF
Watermelon	175	0			0.050		0.5
TOTAL	**6,569**	**65**					
Esfenvalerate (isomer of Fenvalerate)							
Carrots	708	0			0.020		0.5
Eggplant	346	0			0.020		0.5
Green Beans	700	10	1.4	0.005 - 0.025	0.005		1.0
Summer Squash	365	0			0.005		0.5
Winter Squash	706	0			0.005		0.5
TOTAL	**2,825**	**10**					
Esprocarb (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**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
Ethaboxam (fungicide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		0.90
Grape Juice	700	0			0.001		6.0 FU
Green Beans	700	0			0.001		NT
Summer Squash	698	6	0.9	0.003 - 0.016	0.001 - 0.005		0.30
Watermelon	175	0			0.005		0.30
Winter Squash	706	8	1.1	0.001 - 0.055	0.001		0.30
TOTAL	**4,033**	**14**					
Ethalfluralin (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	0			0.002		NT
Cantaloupe	328	0			0.005		0.05
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.002		NT
Eggplant	703	0			0.002 - 0.010		NT
Green Beans	700	0			0.003		NT
Plums	277	0			0.005		NT
Summer Squash	698	0			0.001 - 0.003		0.05
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		0.05
Winter Squash	706	0			0.003		0.05
TOTAL	**6,771**	**0**					
Ethametsulfuron methyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Ethidimuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Ethiofencarb (insecticide)							
Broccoli	708	0			0.002		NT
Cauliflower	531	0			0.002		NT
Celery	354	0			0.010		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**4,355**	**0**					
Ethiofencarb sulfone (metabolite of Ethiofencarb)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**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
Ethiofencarb sulfoxide (metabolite of Ethiofencarb)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Ethion (insecticide)							
Broccoli	708	0			0.003		NT
Carrots	708	0			0.015		NT
Cauliflower	531	0			0.003		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.015		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,766**	**0**					
Ethiprole (insecticide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Ethofumesate (herbicide)							
Carrots	708	0			0.005		7.0 R
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,825**	**0**					
Ethoprop (insecticide)							
Broccoli	708	1	0.1	0.005	0.001	V-1	NT
Carrots	708	1	0.1	0.009	0.005	V-1	NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.005		NT
Green Beans	700	0			0.001		0.02
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,805**	**2**					
Ethoxyquin (plant growth regulator)							
Pears	707	150	21.2	0.020 - 1.7	0.012		3
Summer Squash	333	0			0.005		NT
Tangerines	514	0			0.005		NT
TOTAL	**1,554**	**150**					

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 - Perthane (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Etofenprox (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.025		5.0 FF
Blueberries, Frozen	14	0			0.025		5.0 FF
Broccoli	708	0			0.001		5.0 FF
Cantaloupe	328	0			0.025		5.0 FF
Carrots	708	0			0.020		5.0 FF
Cauliflower	531	0			0.001		5.0 FF
Eggplant	703	0			0.001 - 0.020		5.0 FF
Grape Juice	700	0			0.005		5.0 FF
Green Beans	700	1	0.1	0.003	0.001		5.0 FF
Pears	707	0			0.005		5.0 FF
Plums	277	0			0.025		5.0 FF
Summer Squash	698	0			0.001 - 0.010		5.0 FF
Tangerines	531	0			0.010		5.0 FF
Watermelon	175	0			0.010		5.0 FF
Winter Squash	706	0			0.001		5.0 FF
TOTAL	**8,178**	**1**					
Etoxazole (acaricide)							
Broccoli	708	1	0.1	0.002	0.001	V-1	NT
Carrots	708	0			0.10		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.004		NT
Eggplant	703	15	2.1	0.002 - 0.013	0.001 - 0.10		0.20
Grape Juice	700	0			0.001		0.50
Green Beans	700	0			0.001		NT
Peaches	518	58	11.2	0.004 - 0.098	0.004		1.0
Peaches, Frozen	154	0			0.004		1.0
Pears	707	73	10.3	0.002 - 0.047	0.001		0.20
Summer Squash	665	1	0.2	0.002	0.001		0.02
Sweet Bell Peppers	319	0			0.004		0.20
Tangerines	531	1	0.2	0.001	0.001		0.10 FU
Watermelon	28	3	10.7	0.002 - 0.074	0.001		0.20
Winter Squash	706	4	0.6	0.002 - 0.005	0.001		0.02
TOTAL	**8,032**	**156**					
Etridiazole (fungicide)							
Carrots	708	0			0.015		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.015		NT
Green Beans	700	0			0.005		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	698	0			0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**5,218**	**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
Etrimfos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Famoxadone (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.025		NT
Blueberries, Frozen	14	0			0.025		NT
Broccoli	708	2	0.3	0.004	0.002 - 0.008	V-2	NT
Cantaloupe	328	0			0.025		0.30
Carrots	708	0			0.050		NT
Cauliflower	531	0			0.002 - 0.008		NT
Eggplant	652	1	0.2	0.008	0.008 - 0.050		4.0
Grape Juice	700	0			0.050		2.5 R
Green Beans	700	0			0.010		NT
Plums	277	0			0.025		NT
Summer Squash	698	0			0.010 - 0.050		0.30
Tangerines	531	0			0.10		NT
Watermelon	175	0			0.050		0.30
Winter Squash	706	1	0.1	0.011	0.010		0.30
TOTAL	**7,420**	**4**					
Famphur (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Fenamidone (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	8	1.1	0.004 - 0.026	0.002		5.0
Cantaloupe	328	0			0.005		0.15
Carrots	708	2	0.3	0.019	0.015		0.15
Cauliflower	531	1	0.2	0.004	0.002		5.0
Celery	354	1	0.3	0.012	0.010		60
Eggplant	703	0			0.002 - 0.015		1.0
Grape Juice	700	0			0.005		1.0 R
Green Beans	700	0			0.001		0.80
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.005		NT
Summer Squash	698	0			0.001		0.15
Sweet Bell Peppers	319	0			0.010		1.0
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		0.15
Winter Squash	706	0			0.001		0.15
TOTAL	**8,816**	**12**					
Fenamiphos (insecticide)							
Broccoli	708	0			0.001 - 0.003		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001 - 0.003		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.002		0.1 FU

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
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,466**	**0**					
Fenamiphos sulfone (metabolite of Fenamiphos)							
Broccoli	689	0			0.005		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.005		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.005		NT
Grape Juice	700	0			0.003		0.1 FU
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,447**	**0**					
Fenamiphos sulfoxide (metabolite of Fenamiphos)							
Broccoli	708	0			0.002		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.002		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.010		NT
Grape Juice	700	0			0.004		0.1 FU
Green Beans	700	0			0.003		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	319	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**6,466**	**0**					
Fenarimol (fungicide)							
Broccoli	708	0			0.002		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.002		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.010		NT
Grape Juice	700	0			0.008		0.1 FU
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Pears	707	0			0.008		0.1 FU
Summer Squash	365	0			0.001		0.20 FU
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.005		NT
Winter Squash	706	0			0.001		0.20 FU
TOTAL	**7,713**	**0**					
Fenazaquin (insecticide, acaricide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.053	0.005		2
Blueberries, Frozen	14	0			0.005		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
Cantaloupe	328	0			0.005		0.3
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		0.3
Grape Juice	700	0			0.001		0.7
Green Beans	700	0			0.001		0.4
Pears	707	19	2.7	0.002 - 0.12	0.001		0.6
Plums	248	1	0.4	0.007	0.005		2
Summer Squash	698	0			0.001 - 0.005		0.3
Tangerines	531	0			0.005		0.5 IT
Watermelon	175	0			0.005		0.3
Winter Squash	706	0			0.001		0.3
TOTAL	**6,553**	**21**					
Fenbuconazole (fungicide)							
Blueberries, Cultivated, Fresh	692	15	2.2	0.005 - 0.11	0.005		0.3
Blueberries, Frozen	14	0			0.005		0.3
Broccoli	708	0			0.003		NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.005		NT
Cauliflower	493	1	0.2	0.003	0.001 - 0.003	V-1	NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.005		NT
Grape Juice	700	0			0.001		1.0 FU
Green Beans	700	0			0.001		NT
Peaches	518	58	11.2	0.005 - 0.12	0.005		1.0
Peaches, Frozen	154	0			0.005		1.0
Plums	277	1	0.4	0.009	0.005		1.0
Summer Squash	698	0			0.001		NT
Sweet Bell Peppers	319	0			0.005		1.0
Tangerines	531	0			0.001		1.0
Watermelon	175	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,778**	**75**					
Fenchlorphos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Fenhexamid (fungicide)							
Blueberries, Cultivated, Fresh	692	114	16.5	0.013 - 1.2	0.013		5
Blueberries, Frozen	14	2	14.3	0.067 - 0.077	0.013		5
Cantaloupe	328	0			0.013		NT
Carrots	708	0			0.015		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.015		2
Grape Juice	700	21	3	0.008 - 0.18	0.005		4
Green Beans	700	0			0.010		NT
Peaches	518	6	1.2	0.010 - 0.035	0.010		10
Peaches, Frozen	154	0			0.010		10
Pears	707	0			0.005		10
Plums	277	0			0.013		1.5
Summer Squash	698	0			0.010		NT
Sweet Bell Peppers	319	2	0.6	0.011 - 0.031	0.010		2
Tangerines	531	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
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**7,927**	**145**					
Fenitrothion (insecticide)							
Broccoli	708	0			0.002		NT
Cauliflower	531	0			0.002		NT
Eggplant	357	0			0.002		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,367**	**0**					
Fenobucarb - BPMC (insecticide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Fenoxaprop ethyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Fenoxycarb (insecticide)							
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,825**	**0**					
Fenpropathrin (insecticide)							
Blueberries, Cultivated, Fresh	692	23	3.3	0.021 - 1.4	0.020		3.0
Blueberries, Frozen	14	0			0.020		3.0
Broccoli	708	0			0.002		3.0
Cantaloupe	328	0			0.020		0.5
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.002		3.0
Celery	354	1	0.3	0.008	0.005	V-1	NT
Eggplant	703	0			0.002 - 0.020		1.0
Grape Juice	700	0			0.010		5.0
Green Beans	700	4	0.6	0.002 - 0.035	0.001	V-4	NT
Peaches	518	54	10.4	0.005 - 0.90	0.005		1.4
Peaches, Frozen	154	1	0.6	0.008	0.005		1.4
Pears	707	1	0.1	0.017	0.010		5.0
Plums	277	0			0.020		1.4
Summer Squash	698	3	0.4	0.003 - 0.008	0.001 - 0.005		0.5
Sweet Bell Peppers	328	27	8.2	0.007 - 0.32	0.005		1.0
Tangerines	531	1	0.2	0.005	0.005		2.0
Watermelon	175	0			0.005		0.5
Winter Squash	706	18	2.5	0.002 - 0.032	0.001		0.5
TOTAL	**9,532**	**133**					

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
Fenpropidin (fungicide)							
Green Beans	700	0			0.040		NT
Summer Squash	365	0			0.040		NT
Winter Squash	706	0			0.040		NT
TOTAL	**1,771**	**0**					
Fenpropimorph (fungicide)							
Blueberries, Cultivated, Fresh	692	2	0.3	0.003 - 0.004	0.001	V-2	NT
Blueberries, Frozen	14	0			0.001		NT
Cantaloupe	328	0			0.001		NT
Celery	354	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	1	0.4	0.042	0.001	V-1	NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,427**	**3**					
Fenpyrazamine (fungicide)							
Grape Juice	700	0			0.002		4
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.001 - 0.003		NT
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,510**	**0**					
Fenpyroximate (acaricide)							
Blueberries, Cultivated, Fresh	692	10	1.4	0.007 - 0.097	0.005		3
Blueberries, Frozen	14	0			0.005		3
Broccoli	708	0			0.003		NT
Cantaloupe	328	0			0.005		0.10
Carrots	708	0			0.005		NT
Cauliflower	531	1	0.2	0.002	0.001	V-1	NT
Celery	354	0			0.010		4
Eggplant	703	38	5.4	0.003 - 0.022	0.003 - 0.005		0.20
Grape Juice	700	0			0.001		1.0
Green Beans	700	0			0.001		0.40
Peaches	518	37	7.1	0.010 - 0.072	0.010		2.0
Peaches, Frozen	154	0			0.010		2.0
Pears	707	47	6.6	0.002 - 0.10	0.001		0.30
Plums	277	3	1.1	0.005 - 0.009	0.005		2.0
Summer Squash	365	0			0.001		0.4
Sweet Bell Peppers	319	7	2.2	0.011 - 0.058	0.010		0.20
Winter Squash	706	0			0.001		0.4
TOTAL	**8,484**	**143**					
Fensulfothion (insecticide, fumigant)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Fenthion (insecticide)							
Broccoli	708	0			0.006		NT
Carrots	708	0			0.030		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
Cauliflower	531	0			0.002 - 0.006		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.030		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,775**	**0**					
Fenthion oxygen analog sulfone (metabolite of Fenthion)							
Carrots	708	0			0.015		NT
Eggplant	346	0			0.015		NT
TOTAL	**1,054**	**0**					
Fenthion oxygen analog sulfoxide (metabolite of Fenthion)							
Carrots	708	0			0.015		NT
Eggplant	346	0			0.015		NT
TOTAL	**1,054**	**0**					
Fenthion sulfone (metabolite of Fenthion)							
Carrots	708	0			0.12		NT
Eggplant	346	0			0.12		NT
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,825**	**0**					
Fenthion sulfoxide (metabolite of Fenthion)							
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		NT
Green Beans	700	0			0.010		NT
Summer Squash	365	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**2,825**	**0**					
Fenuron (herbicide)							
Green Beans	700	0			0.020		NT
Summer Squash	365	0			0.020		NT
Winter Squash	706	0			0.020		NT
TOTAL	**1,771**	**0**					
Fipronil (insecticide)							
Broccoli	708	0			0.001		NT
Carrots	708	0			0.015		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.015		NT
Green Beans	700	1	0.1	0.009	0.001	V-1	NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	1	0.3	0.013	0.005	V-1	NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,775**	**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
Fipronil sulfone - MB46136 (metabolite of Fipronil)							
Blueberries, Cultivated, Fresh	692	0			0.050		NT
Blueberries, Frozen	14	0			0.050		NT
Cantaloupe	328	0			0.050		NT
Green Beans	700	1	0.1	0.002	0.001	V-1	NT
Plums	277	0			0.050		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,082**	**1**					
Flazasulfuron (herbicide)							
Grape Juice	700	0			0.006		0.01
Green Beans	700	0			0.005		NT
Summer Squash	698	0			0.005		NT
Tangerines	531	0			0.005		0.01
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**3,510**	**0**					
Flonicamid (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.006		1.5
Blueberries, Frozen	14	0			0.006		1.5
Broccoli	708	6	0.8	0.006 - 0.052	0.003		1.5
Cantaloupe	328	1	0.3	0.007	0.006		1.5
Carrots	708	0			0.005		0.60
Cauliflower	531	1	0.2	0.010	0.003		1.5
Celery	354	16	4.5	0.010 - 0.045	0.010		4.0
Eggplant	703	33	4.7	0.002 - 0.095	0.001 - 0.005		3.0
Green Beans	700	5	0.7	0.012 - 0.042	0.010		4.0
Peaches	518	0			0.010		0.60
Peaches, Frozen	154	0			0.010		0.60
Pears	707	0			0.003		0.20
Plums	277	0			0.006		0.60
Summer Squash	698	21	3	0.011 - 0.096	0.010 - 0.050		1.5
Sweet Bell Peppers	319	43	13.5	0.011 - 0.53	0.010		3.0
Tangerines	531	0			0.050		1.5
Watermelon	175	0			0.050		1.5
Winter Squash	706	1	0.1	0.032	0.010		1.5
TOTAL	**8,823**	**127**					
Florpyrauxifen-Benzyl (herbicide)							
Green Beans	700	0			0.020		EX2
Summer Squash	365	0			0.020		EX2
Winter Squash	706	0			0.020		EX2
TOTAL	**1,771**	**0**					
Fluazifop butyl (herbicide)							
Broccoli	708	1	0.1	0.002	0.001	V-1	NT
Carrots	328	0			0.005		2.0
Cauliflower	531	0			0.001		NT
Eggplant	532	0			0.001 - 0.005		NT
Green Beans	700	0			0.001		NT
Summer Squash	698	0			0.001 - 0.005		NT
Tangerines	531	0			0.005		0.03
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,909**	**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
Fluazifop-P-butyl (herbicide)							
Carrots	380	0			0.005		2.0
Eggplant	171	0			0.005		NT
Grape Juice	700	0			0.002		0.03
TOTAL	**1,251**	**0**					
Fluazinam (fungicide)							
Carrots	708	0			0.025		0.70
Eggplant	346	0			0.025		0.09
TOTAL	**1,054**	**0**					
Flubendiamide (insecticide)							
Blueberries, Cultivated, Fresh	606	0			0.004		1.5
Blueberries, Frozen	11	0			0.004		1.5
Broccoli	708	10	1.4	0.002 - 0.034	0.001		3.0
Cantaloupe	328	0			0.004		0.20
Carrots	708	0			0.010		NT
Cauliflower	531	1	0.2	0.019	0.003		3.0
Eggplant	703	1	0.1	0.059	0.003 - 0.010		0.60
Grape Juice	700	0			0.005		1.4
Green Beans	700	12	1.7	0.001 - 0.051	0.001		0.50
Pears	707	9	1.3	0.008 - 0.19	0.005		1.5
Plums	196	0			0.004		1.6
Summer Squash	698	4	0.6	0.001 - 0.004	0.001 - 0.020		0.20
Tangerines	531	0			0.020		NT
Watermelon	175	0			0.020		0.20
Winter Squash	706	37	5.2	0.001 - 0.027	0.001		0.20
TOTAL	**8,008**	**74**					
Flucythrinate (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Fludioxonil (fungicide)							
Blueberries, Cultivated, Fresh	692	167	24.1	0.025 - 3.1	0.025	X-1	3.0
Blueberries, Frozen	14	4	28.6	0.028 - 0.089	0.025		3.0
Broccoli	708	8	1.1	0.010 - 0.089	0.006		2
Cantaloupe	328	0			0.025		0.45
Carrots	708	0			0.065		7.0
Cauliflower	531	0			0.006		2
Celery	354	1	0.3	0.020	0.005		15
Eggplant	703	0			0.006 - 0.065		0.50
Grape Juice	700	5	0.7	0.017 - 0.037	0.010		2.0
Green Beans	700	0			0.010		0.4
Peaches	518	454	87.6	0.005 - 24	0.005	X-3	5.0
Peaches, Frozen	154	23	14.9	0.011 - 0.18	0.005		5.0
Pears	707	372	52.6	0.017 - 2.3	0.010		5.0
Plums	277	236	85.2	0.025 - 1.2	0.025		5.0
Summer Squash	698	1	0.1	0.014	0.005 - 0.010		0.45
Sweet Bell Peppers	328	6	1.8	0.005 - 0.088	0.005		0.50
Tangerines	531	196	36.9	0.005 - 0.26	0.005		10
Watermelon	175	0			0.005		0.45
Winter Squash	706	1	0.1	0.020	0.010		0.45
TOTAL	**9,532**	**1,474**					

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
Fluensulfone (nematicide)							
Carrots	708	0			0.010		4
Eggplant	346	0			0.010		0.7
Grape Juice	700	0			0.070		0.8
Pears	707	0			0.070		0.4
Summer Squash	333	0			0.005		0.7
Tangerines	531	0			0.005		0.3
Watermelon	175	0			0.005		0.7
TOTAL	**3,500**	**0**					
Flufenacet (herbicide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,218**	**0**					
Flufenoxuron (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.001		NT
Blueberries, Frozen	14	0			0.001		NT
Cantaloupe	328	0			0.001		NT
Grape Juice	700	0			0.002		0.70 FU
Green Beans	700	0			0.001		NT
Pears	707	0			0.002		0.50 FU
Plums	277	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,489**	**0**					
Flufenpyr ethyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Flumetsulam (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Flumiclorac pentyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Flumioxazin (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		0.07
Blueberries, Frozen	14	0			0.010		0.07

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
Broccoli	708	0			0.010		0.02
Cantaloupe	298	0			0.010		0.03
Carrots	708	0			0.040		NT
Cauliflower	531	0			0.003		0.02
Celery	354	0			0.005		0.02
Eggplant	703	0			0.003 - 0.040		0.02
Grape Juice	700	0			0.030		0.02
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		0.02
Peaches, Frozen	154	0			0.005		0.02
Pears	707	0			0.030		0.02
Plums	247	0			0.010		0.02
Summer Squash	698	0			0.001 - 0.005		0.03
Sweet Bell Peppers	328	0			0.005		0.02
Tangerines	531	0			0.005		0.02
Watermelon	147	0			0.005		0.03
Winter Squash	706	0			0.001		0.03
TOTAL	**9,444**	**0**					
Fluometuron (herbicide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.003 - 0.004		NT
Tangerines	531	0			0.004		NT
Watermelon	175	0			0.004		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,864**	**0**					
Fluopicolide (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	32	4.5	0.002 - 0.011	0.001		5.0
Cantaloupe	328	6	1.8	0.005 - 0.008	0.005		0.50
Carrots	708	7	1	0.013 - 0.042	0.010		0.15
Cauliflower	531	9	1.7	0.002 - 0.006	0.001		5.0
Celery	354	0			0.010		25
Eggplant	703	16	2.3	0.002 - 0.018	0.001 - 0.010		1.6
Grape Juice	700	0			0.005		2.0
Green Beans	700	2	0.3	0.003 - 0.020	0.001		0.90
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.005		NT
Summer Squash	698	16	2.3	0.002 - 0.064	0.001 - 0.010		0.50
Sweet Bell Peppers	319	10	3.1	0.010 - 0.041	0.010		1.6
Tangerines	531	0			0.010		0.01
Watermelon	175	2	1.1	0.013 - 0.030	0.010		0.50
Winter Squash	706	17	2.4	0.001 - 0.014	0.001		0.50
TOTAL	**8,816**	**117**					
Fluopyram (fungicide)							
Blueberries, Cultivated, Fresh	692	53	7.7	0.005 - 0.43	0.005		7.0
Blueberries, Frozen	14	4	28.6	0.006 - 0.056	0.005		7.0
Broccoli	708	59	8.3	0.002 - 0.024	0.001		4.0
Cantaloupe	328	44	13.4	0.005 - 0.036	0.005		1.0
Carrots	708	22	3.1	0.005 - 0.021	0.005		0.30
Cauliflower	531	21	4	0.002 - 0.005	0.001		4.0

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
Celery	354	0			0.010		20
Eggplant	703	180	25.6	0.002 - 0.27	0.001 - 0.005		4.0
Grape Juice	700	308	44	0.002 - 0.007	0.001		2.0
Green Beans	700	20	2.9	0.001 - 0.019	0.001		4.0
Peaches	518	89	17.2	0.010 - 0.25	0.010		1.0
Peaches, Frozen	154	10	6.5	0.010 - 0.026	0.010		1.0
Pears	707	35	5	0.002 - 0.068	0.001		0.80
Plums	277	41	14.8	0.006 - 0.060	0.005		0.50
Summer Squash	698	56	8	0.001 - 0.17	0.001 - 0.002		0.60
Sweet Bell Peppers	319	88	27.6	0.011 - 0.19	0.010		4.0
Tangerines	531	0			0.002		1.0
Watermelon	175	10	5.7	0.002 - 0.012	0.002		1.0
Winter Squash	706	23	3.3	0.001 - 0.052	0.001		0.60
TOTAL	**9,523**	**1,063**					
Fluorodifen (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Fluoxastrobin (fungicide)							
Broccoli	708	0			0.001 - 0.003		NT
Carrots	708	0			0.015		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.002		4.0
Eggplant	703	12	1.7	0.002 - 0.005	0.001 - 0.015		1.0
Green Beans	700	1	0.1	0.002	0.001	V-1	NT
Peaches	518	0			0.002		NT
Peaches, Frozen	154	0			0.002		NT
Summer Squash	698	0			0.001		0.50
Sweet Bell Peppers	319	1	0.3	0.022	0.002		1.0
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.001		1.5
Winter Squash	706	2	0.3	0.003 - 0.062	0.001		0.50
TOTAL	**6,805**	**16**					
Flupyradifurone (insecticide)							
Broccoli	708	35	4.9	0.003 - 0.11	0.003		6
Carrots	708	0			0.10		0.90
Cauliflower	531	89	16.8	0.002 - 0.11	0.001		6
Eggplant	703	64	9.1	0.002 - 0.18	0.001 - 0.10		1.5
Grape Juice	700	0			0.015		3.0
Green Beans	700	23	3.3	0.001 - 0.091	0.001		3.0
Summer Squash	698	40	5.7	0.001 - 0.12	0.001 - 0.005		0.40
Tangerines	531	3	0.6	0.005 - 0.009	0.005		3.0
Watermelon	175	7	4	0.005 - 0.025	0.005		0.40
Winter Squash	706	41	5.8	0.001 - 0.085	0.001		0.40
TOTAL	**6,160**	**302**					
Fluquinconazole (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Celery	354	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	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
Plums	247	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,397**	**0**					
Fluridone (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.001		0.1 IN
Blueberries, Frozen	14	0			0.001		0.1 IN
Broccoli	708	0			0.001		0.1 IN
Cantaloupe	328	0			0.001		0.1 IN
Carrots	708	0			0.005		0.1 IN
Cauliflower	531	0			0.001		0.1 IN
Celery	354	0			0.010		0.1 IN
Eggplant	703	0			0.001 - 0.005		0.1 IN
Grape Juice	700	0			0.001		0.1 IN
Green Beans	700	0			0.001		0.1 IN
Peaches	518	0			0.010		0.1 IN
Peaches, Frozen	154	0			0.010		0.1 IN
Pears	707	0			0.001		0.1 IN
Plums	277	0			0.001		0.1 IN
Summer Squash	698	0			0.001 - 0.002		0.1 IN
Sweet Bell Peppers	319	0			0.010		0.1 IN
Tangerines	531	0			0.002		0.1 IN
Watermelon	175	0			0.002		0.1 IN
Winter Squash	706	0			0.001		0.1 IN
TOTAL	**9,523**	**0**					
Fluroxypyr-meptyl (herbicide)							
Pears	707	0			0.010		0.02
TOTAL	**707**	**0**					
Flusilazole (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.010		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,490**	**0**					
Fluthiacet methyl (herbicide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.003 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,864**	**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
Flutianil (fungicide)							
Grape Juice	700	0			0.002		0.7
Summer Squash	333	0			0.005		0.2
Watermelon	175	0			0.005		0.07
TOTAL	**1,208**	**0**					
Flutolanil (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Cantaloupe	328	0			0.002		NT
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	1	0.1	0.019	0.001	V-1	NT
Plums	277	0			0.002		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,136**	**1**					
Flutriafol (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	6	0.8	0.002 - 0.004	0.001		1.5
Cantaloupe	328	3	0.9	0.021 - 0.026	0.010		0.30
Carrots	708	0			0.010		NT
Cauliflower	531	2	0.4	0.002	0.001		1.5
Eggplant	703	20	2.8	0.002 - 0.040	0.001 - 0.010		1.0
Grape Juice	700	83	11.9	0.003 - 0.028	0.002		1.5
Green Beans	700	14	2	0.002 - 0.027	0.001	V-14	NT
Pears	707	1	0.1	0.003	0.002		0.40
Plums	277	0			0.010		1.5
Summer Squash	698	63	9	0.001 - 0.045	0.001 - 0.002		0.30
Tangerines	531	1	0.2	0.002	0.002	V-1	NT
Watermelon	175	7	4	0.003 - 0.018	0.002		0.30
Winter Squash	706	37	5.2	0.001 - 0.032	0.001		0.30
TOTAL	**8,178**	**237**					
Fluvalinate (insecticide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.051	0.050	V-1	NT
Blueberries, Frozen	14	0			0.050		NT
Cantaloupe	328	0			0.050		NT
Carrots	708	0			0.020		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.020		NT
Grape Juice	700	0			0.012		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Pears	707	0			0.012		NT
Plums	252	0			0.050		NT
Summer Squash	698	0			0.001 - 0.050		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.050		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,911**	**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
Fluxapyroxad (fungicide)							
Broccoli	708	13	1.8	0.002 - 0.010	0.001		4.0
Carrots	708	30	4.2	0.011 - 0.073	0.010		0.90
Cauliflower	531	0			0.003		4.0
Eggplant	703	17	2.4	0.002 - 0.020	0.001 - 0.010		0.7
Grape Juice	700	0			0.002		2.0
Green Beans	700	32	4.6	0.001 - 0.036	0.001		2.0
Pears	707	84	11.9	0.003 - 0.23	0.002		0.8
Summer Squash	698	11	1.6	0.001 - 0.007	0.001 - 0.005		0.50
Tangerines	531	0			0.005		1.0
Watermelon	175	0			0.005		0.50
Winter Squash	706	19	2.7	0.002 - 0.018	0.001		0.50
TOTAL	**6,867**	**206**					
Folpet (fungicide)							
Cantaloupe	299	0			0.030		3.0 FU
Celery	354	0			0.015		NT
Grape Juice	700	0			0.10		50.0 FU
Peaches	518	0			0.015		NT
Peaches, Frozen	154	0			0.015		NT
Plums	250	0			0.030		NT
Sweet Bell Peppers	328	0			0.015		NT
TOTAL	**2,603**	**0**					
Fomesafen (herbicide)							
Summer Squash	333	0			0.005		0.025
Tangerines	531	0			0.005		NT
Watermelon	147	0			0.005		0.025
TOTAL	**1,011**	**0**					
Fonofos (insecticide)							
Broccoli	708	0			0.001 - 0.003		NT
Carrots	708	0			0.015		NT
Cauliflower	531	0			0.003		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.015		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,775**	**0**					
Foramsulfuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Forchlorfenuron (plant growth regulator)							
Carrots	708	0			0.005		NT
Celery	354	0			0.002		NT
Eggplant	346	0			0.005		NT
Grape Juice	700	0			0.002		0.03
Green Beans	700	0			0.001		NT
Peaches	518	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
Peaches, Frozen	154	0			0.002		NT
Pears	707	0			0.002		0.01
Summer Squash	698	4	0.6	0.002 - 0.003	0.001	V-4	NT
Sweet Bell Peppers	319	0			0.002		NT
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,616**	**4**					
Formetanate hydrochloride (insecticide)							
Carrots	708	0			0.010		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		0.40 IT
Peaches, Frozen	154	0			0.010		0.40 IT
Pears	707	0			0.010		0.50 IT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	3	0.6	0.006 - 0.012	0.005		0.03
Winter Squash	706	0			0.001		NT
TOTAL	**5,408**	**3**					
Fosthiazate (nematicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Furalaxyl (fungicide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Furathiocarb (insecticide)							
Celery	354	0			0.010		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Sweet Bell Peppers	319	0			0.010		NT
TOTAL	**1,345**	**0**					
Halosulfuron (herbicide)							
Carrots	679	0			0.050		NT
Eggplant	346	0			0.050		0.05
Tangerines	531	0			0.010		NT
TOTAL	**1,556**	**0**					
Halosulfuron methyl [2] (herbicide)							
Celery	354	0			0.010		NT
Grape Juice	700	0			0.002		0.05 R
Green Beans	700	0			0.001		0.05
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.002		0.05
Summer Squash	698	0			0.001 - 0.010		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
Sweet Bell Peppers	319	0			0.010		0.05
Watermelon	175	0			0.010		0.1
Winter Squash	706	0			0.001		0.5
TOTAL	**5,031**	**0**					
Heptenophos (insecticide, acaricide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Hexaconazole (fungicide)							
Celery	354	0			0.010		NT
Green Beans	700	0			0.005		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.005		NT
TOTAL	**3,116**	**0**					
Hexazinone (herbicide)							
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,825**	**0**					
Hexythiazox (insecticide, acaricide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.002	0.002		6
Blueberries, Frozen	14	0			0.002		6
Broccoli	708	0			0.006		NT
Cantaloupe	328	0			0.002		NT
Carrots	708	0			0.015		NT
Cauliflower	531	3	0.6	0.003	0.002	V-3	NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.006 - 0.015		1.5
Grape Juice	700	0			0.002		1
Green Beans	700	0			0.001		0.3 R
Peaches	518	14	2.7	0.010 - 0.23	0.010		1.0
Peaches, Frozen	154	0			0.010		1.0
Pears	707	5	0.7	0.003	0.002		0.4
Plums	247	27	10.9	0.002 - 0.013	0.002		1.0
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		1.5
Tangerines	469	0			0.010		0.6 R
Watermelon	175	0			0.005		NT
Winter Squash	706	1	0.1	0.001	0.001	V-1	NT
TOTAL	**9,431**	**51**					
Hydroprene (insect growth regulator)							
Broccoli	708	0			0.005		0.2 FF
Carrots	708	0			0.015		0.2 FF
Cauliflower	531	0			0.002 - 0.005		0.2 FF
Eggplant	703	0			0.002 - 0.015		0.2 FF
Grape Juice	700	0			0.010		0.2 FF

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
Green Beans	700	0			0.003		0.2 FF
Pears	707	0			0.010		0.2 FF
Summer Squash	698	0			0.003 - 0.005		0.2 FF
Tangerines	531	0			0.005		0.2 FF
Watermelon	175	0			0.005		0.2 FF
Winter Squash	706	0			0.003		0.2 FF
TOTAL	**6,867**	**0**					
3-Hydroxycarbofuran (metabolite of Carbofuran)							
Blueberries, Cultivated, Fresh	692	0			0.003		NT
Blueberries, Frozen	14	0			0.003		NT
Cantaloupe	328	0			0.003		NT
Carrots	708	0			0.005		NT
Cauliflower	513	0			0.004		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.004 - 0.005		NT
Grape Juice	700	0			0.008		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.008		NT
Plums	277	0			0.003		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.020		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,797**	**0**					
5-Hydroxythiabendazole (metabolite of Thiabendazole)							
Carrots	708	0			0.005		10 TP
Green Beans	700	0			0.001		0.02 TP
Summer Squash	365	0			0.001		0.02 TP
Winter Squash	706	0			0.001		0.02 TP
TOTAL	**2,479**	**0**					
Hydroxy Acequinocyl (metabolite of Acequinocyl)							
Green Beans	700	1	0.1	0.003	0.001		0.25
Summer Squash	365	0			0.001		0.30
Winter Squash	690	0			0.001		0.30
TOTAL	**1,755**	**1**					
Imazalil (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.005		NT
Cauliflower	531	1	0.2	0.002	0.001	V-1	NT
Celery	354	0			0.010		NT
Eggplant	703	1	0.1	0.002	0.001 - 0.005	V-1	NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	1	0.1	0.017	0.010	V-1	NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.003 - 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
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	504	94.9	0.006 - 1.1	0.005		10.0 PH
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**8,823**	**507**					
Imazethapyr (herbicide)							
Blueberries, Cultivated, Fresh	675	0			0.020		NT
Blueberries, Frozen	14	0			0.020		NT
Cantaloupe	328	0			0.020		NT
Plums	277	0			0.020		NT
TOTAL	**1,294**	**0**					
Imazosulfuron (herbicide)							
Carrots	708	0			0.025		NT
Eggplant	346	0			0.025		NT
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,825**	**0**					
Imidacloprid (insecticide)							
Blueberries, Cultivated, Fresh	692	72	10.4	0.003 - 0.51	0.003		3.5
Blueberries, Frozen	14	5	35.7	0.004 - 0.038	0.003		3.5
Broccoli	708	118	16.7	0.003 - 0.053	0.003		3.5
Cantaloupe	328	63	19.2	0.003 - 0.060	0.003		0.5
Carrots	708	1	0.1	0.025	0.020		0.40
Cauliflower	531	96	18.1	0.003 - 1.1	0.003		3.5
Celery	354	5	1.4	0.010 - 0.020	0.010		6.0
Eggplant	703	149	21.2	0.002 - 0.13	0.001 - 0.020		1.0
Grape Juice	700	0			0.020		1.0
Green Beans	700	19	2.7	0.003 - 0.16	0.003		4.0
Peaches	518	28	5.4	0.011 - 0.32	0.010		3.0
Peaches, Frozen	154	0			0.010		3.0
Pears	707	63	8.9	0.033 - 0.29	0.020		0.6
Plums	277	6	2.2	0.005 - 0.009	0.003		3.0
Summer Squash	698	253	36.2	0.003 - 0.36	0.003 - 0.010		0.5
Sweet Bell Peppers	319	85	26.6	0.010 - 0.45	0.010		1.0
Tangerines	531	9	1.7	0.010 - 0.041	0.010		0.70
Watermelon	175	30	17.1	0.010 - 0.12	0.010		0.5
Winter Squash	706	253	35.8	0.003 - 0.21	0.003		0.5
TOTAL	**9,523**	**1,255**					
Imidacloprid desnitro (metabolite of Imidacloprid)							
Green Beans	679	56	8.2	0.001 - 0.023	0.001		4.0
Summer Squash	327	118	36.1	0.001 - 0.006	0.001		0.5
Winter Squash	706	299	42.4	0.001 - 0.018	0.001		0.5
TOTAL	**1,712**	**473**					
Imidacloprid urea (metabolite of Imidacloprid)							
Carrots	708	0			0.015		0.40
Eggplant	346	0			0.015		1.0
Grape Juice	700	0			0.025		1.0
Green Beans	700	11	1.6	0.001 - 0.008	0.001		4.0
Pears	707	2	0.3	0.042	0.025		0.6
Summer Squash	365	35	9.6	0.001 - 0.016	0.001		0.5
Winter Squash	706	26	3.7	0.001 - 0.006	0.001		0.5
TOTAL	**4,232**	**74**					

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
Imiprothrin (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.045		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.045		NT
Green Beans	700	0			0.010		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.012		NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.010 - 0.10		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.40		NT
Watermelon	175	0			0.10		NT
Winter Squash	706	0			0.010		NT
TOTAL	**7,227**	**0**					
Indaziflam (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.001		0.01
Blueberries, Frozen	14	0			0.001		0.01
Cantaloupe	328	0			0.001		NT
Grape Juice	700	0			0.001		0.01
Green Beans	700	0			0.001		NT
Pears	707	0			0.001		0.01
Plums	277	0			0.001		0.01
Summer Squash	698	0			0.001		NT
Tangerines	531	0			0.001		0.01
Watermelon	175	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,528**	**0**					
Indoxacarb (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.020		1.5
Blueberries, Frozen	14	0			0.020		1.5
Cantaloupe	328	0			0.020		0.60
Carrots	708	0			0.025		NT
Celery	354	1	0.3	0.081	0.010		14
Eggplant	346	0			0.025		0.50
Grape Juice	700	0			0.003		2
Green Beans	700	0			0.005		0.9
Peaches	518	28	5.4	0.010 - 0.045	0.010		0.90
Peaches, Frozen	154	0			0.010		0.90
Pears	707	1	0.1	0.005	0.003		0.20
Plums	277	0			0.020		0.90
Summer Squash	698	0			0.005 - 0.050		0.60
Sweet Bell Peppers	319	2	0.6	0.011 - 0.013	0.010		0.50
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.050		0.60
Winter Squash	706	0			0.005		0.60
TOTAL	**7,927**	**32**					
Ipconazole (fungicide)							
Carrots	708	0			0.005		NT
Eggplant	346	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
Green Beans	700	0			0.003		0.01
Summer Squash	698	0			0.003 - 0.010		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,864**	**0**					
Iprobenfos - IBP (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Iprodione (fungicide)							
Blueberries, Cultivated, Fresh	692	18	2.6	0.040 - 2.1	0.040		15.0
Blueberries, Frozen	14	1	7.1	0.37	0.040		15.0
Broccoli	708	1	0.1	0.28	0.009		25.0
Cantaloupe	328	0			0.040		NT
Carrots	708	66	9.3	0.015 - 3.3	0.015		5.0
Cauliflower	531	0			0.009		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.015 - 0.030		NT
Grape Juice	700	0			0.050		60.0
Green Beans	700	11	1.6	0.005 - 0.14	0.003		2.0
Peaches	518	27	5.2	0.005 - 0.044	0.005		20.0 PH
Peaches, Frozen	154	0			0.005		20.0 PH
Plums	277	0			0.040		20.0 PH
Summer Squash	698	0			0.003 - 0.075		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.075		NT
Watermelon	175	0			0.075		NT
Winter Squash	706	0			0.003		NT
TOTAL	**8,825**	**124**					
Iprovalicarb (fungicide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
Grape Juice	700	0			0.002		2.0 FU
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.003 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**4,564**	**0**					
Isocarbophos (insecticide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Isofenphos (insecticide)							
Celery	354	0			0.005		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	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
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,125**	**0**					
Isofenphos methyl (metabolite if Isofenphos)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Isofetamid (fungicide)							
Grape Juice	700	2	0.3	0.002	0.001		3.0
Pears	707	0			0.001		0.60
Summer Squash	333	0			0.001		NT
Tangerines	531	0			0.002		NT
Watermelon	175	0			0.001		NT
TOTAL	**2,446**	**2**					
Isoprocarb (insecticide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Isopropalin (herbicide)							
Green Beans	700	0			0.010		NT
Summer Squash	365	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**1,771**	**0**					
Isoprothiolane (fungicide)							
Celery	354	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,125**	**0**					
Isoproturon (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Isopyrazam (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	698	0			0.001 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.30 FU
Winter Squash	706	0			0.001		NT
TOTAL	**2,810**	**0**					
Isoxaben (herbicide)							
Grape Juice	700	0			0.001		0.01
Pears	707	0			0.001		NT
TOTAL	**1,407**	**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
Isoxadifen ethyl (herbicide safener)							
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.001		NT
Summer Squash	698	0			0.001 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,864**	**0**					
Kinoprene (insecticide)							
Carrots	708	0			0.10		NT
Eggplant	346	0			0.10		NT
TOTAL	**1,054**	**0**					
Kresoxim-methyl (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.002		NT
Cantaloupe	328	0			0.010		0.40
Carrots	708	0			0.015		NT
Cauliflower	531	0			0.002		NT
Eggplant	703	0			0.002 - 0.015		NT
Grape Juice	700	0			0.015		1.0
Green Beans	700	0			0.005		NT
Pears	707	0			0.015		0.5
Plums	277	0			0.010		NT
Summer Squash	698	0			0.005		0.40
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.40
Winter Squash	706	0			0.005		0.40
TOTAL	**8,178**	**0**					
Lactofen (herbicide)							
Green Beans	700	0			0.003		0.01
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Lenacil (herbicide)							
Celery	354	0			0.005		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
TOTAL	**1,354**	**0**					
Leptophos oxygen analog (insecticide metabolite)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Linuron (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.008		NT
Blueberries, Frozen	14	0			0.008		NT
Broccoli	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
Cantaloupe	328	0			0.008		NT
Carrots	708	226	31.9	0.010 - 0.29	0.010		1.0
Cauliflower	531	0			0.002		NT
Celery	354	17	4.8	0.020 - 0.37	0.019		0.5 R
Eggplant	703	0			0.002 - 0.010		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.019		NT
Peaches, Frozen	154	0			0.019		NT
Plums	277	0			0.008		NT
Summer Squash	698	0			0.003 - 0.010		NT
Sweet Bell Peppers	328	0			0.019		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**8,125**	**243**					
Lufenuron (insecticide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
TOTAL	**1,054**	**0**					
Malathion (insecticide)							
Blueberries, Cultivated, Fresh	692	65	9.4	0.002 - 0.15	0.002		8
Blueberries, Frozen	14	4	28.6	0.005 - 0.015	0.002		8
Broccoli	708	3	0.4	0.002 - 0.006	0.001		8
Cantaloupe	328	0			0.002		8
Carrots	708	0			0.005		8
Cauliflower	531	0			0.001		8
Celery	354	51	14.4	0.011 - 0.18	0.010		8
Eggplant	703	18	2.6	0.002 - 0.024	0.001 - 0.005		8
Grape Juice	700	0			0.004		8
Green Beans	700	0			0.003		8
Peaches	518	0			0.010		8
Peaches, Frozen	154	0			0.010		8
Pears	707	0			0.004		8
Plums	277	0			0.002		8
Summer Squash	698	0			0.003 - 0.010		8
Sweet Bell Peppers	319	3	0.9	0.013 - 0.064	0.010		8
Tangerines	531	0			0.010		8
Watermelon	175	0			0.010		8
Winter Squash	706	1	0.1	0.008	0.003		8
TOTAL	**9,523**	**145**					
Malathion oxygen analog (metabolite of Malathion)							
Blueberries, Cultivated, Fresh	381	4	1	0.003 - 0.004	0.002		8
Blueberries, Frozen	9	0			0.002		8
Broccoli	708	0			0.002		8
Cantaloupe	328	0			0.002		8
Carrots	708	0			0.005		8
Cauliflower	531	0			0.002		8
Celery	354	0			0.010		8
Eggplant	703	0			0.002 - 0.005		8
Grape Juice	700	0			0.007		8
Green Beans	700	0			0.001		8
Peaches	518	0			0.010		8
Peaches, Frozen	154	0			0.010		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
Pears	707	0			0.007		8
Plums	219	0			0.002		8
Summer Squash	698	0			0.001 - 0.002		8
Sweet Bell Peppers	319	0			0.010		8
Tangerines	531	0			0.002		8
Watermelon	175	0			0.002		8
Winter Squash	706	0			0.001		8
TOTAL	**9,149**	**4**					
Mandestrobin (fungicide)							
Grape Juice	700	0			0.004		5.0
TOTAL	**700**	**0**					
Mandipropamid (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	708	8	1.1	0.005 - 0.32	0.003 - 0.010		3.0
Cantaloupe	328	0			0.002		0.6
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.003		3.0
Celery	354	2	0.6	0.008 - 0.020	0.005		20
Eggplant	703	1	0.1	0.023	0.003 - 0.020		1.0
Grape Juice	700	51	7.3	0.003 - 0.010	0.002		1.4
Green Beans	700	0			0.003		0.90
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.002		NT
Summer Squash	698	7	1	0.003 - 0.010	0.003 - 0.005		0.6
Sweet Bell Peppers	319	13	4.1	0.005 - 0.074	0.005		1.0
Tangerines	531	0			0.005		0.50
Watermelon	175	0			0.005		0.6
Winter Squash	706	7	1	0.004 - 0.045	0.003		0.6
TOTAL	**8,816**	**89**					
Mecarbam (insecticide, acaricide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Mefenacet (herbicide)							
Celery	354	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,125**	**0**					
Mefenpyr diethyl (herbicide safener)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**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
Mefentrifluconazole (fungicide)							
Grape Juice	700	0			0.015		1.5
Pears	707	0			0.015		1.5
Watermelon	175	0			0.005		0.5
TOTAL	**1,582**	**0**					
Mepanipyrim (fungicide)							
Grape Juice	700	0			0.006		1.5
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,471**	**0**					
Mephosfolan (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Mepronil (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Mesotrione (herbicide)							
Grape Juice	700	0			0.12		NT
Pears	707	0			0.12		0.01
Summer Squash	333	0			0.050		NT
Tangerines	531	0			0.050		0.01
Watermelon	175	0			0.050		NT
TOTAL	**2,446**	**0**					
Metaflumizone (insecticide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		1.5 FU
Grape Juice	700	0			0.050		5
Green Beans	610	0			0.010		NT
Summer Squash	698	0			0.005 - 0.010		NT
Tangerines	531	0			0.005		3
Watermelon	175	0			0.005		1 FU
Winter Squash	706	0			0.010		NT
TOTAL	**4,474**	**0**					
Metalaxyl/Mefenoxam [3] (fungicide)							
Blueberries, Cultivated, Fresh	692	32	4.6	0.001 - 0.12	0.001		2.0
Blueberries, Frozen	14	1	7.1	0.002	0.001		2.0
Broccoli	708	3	0.4	0.002 - 0.006	0.001		2.0
Cantaloupe	328	70	21.3	0.001 - 0.019	0.001		1.0
Carrots	708	3	0.4	0.015 - 0.019	0.015		0.5
Cauliflower	531	12	2.3	0.002 - 0.070	0.001		1.0
Celery	354	1	0.3	0.032	0.005		5.0
Eggplant	703	0			0.001 - 0.015		1.0
Grape Juice	700	0			0.002		2.0
Green Beans	700	45	6.4	0.001 - 0.023	0.001		0.2
Peaches	518	0			0.005		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
Peaches, Frozen	154	0			0.005		1.0
Plums	277	0			0.001		1.0
Summer Squash	698	43	6.2	0.001 - 0.33	0.001 - 0.010		1.0
Sweet Bell Peppers	328	41	12.5	0.006 - 0.21	0.005		1.0
Tangerines	531	0			0.010		1.0
Watermelon	175	4	2.3	0.011 - 0.041	0.010		1.0
Winter Squash	706	31	4.4	0.001 - 0.021	0.001		1.0
TOTAL	**8,825**	**286**					
Metaldehyde (molluscicide)							
Carrots	708	0			0.055		NT
Eggplant	346	1	0.3	0.093	0.055	V-1	NT
Grape Juice	700	0			0.050		NT
TOTAL	**1,754**	**1**					
Metamitron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Metconazole (fungicide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,825**	**0**					
Methacrifos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	667	0			0.001		NT
TOTAL	**1,732**	**0**					
Methamidophos (insecticide) (also a metabolite of Acephate)							
Blueberries, Cultivated, Fresh	692	0			0.005		0.02 TP
Blueberries, Frozen	14	0			0.005		0.02 TP
Cantaloupe	328	0			0.005		0.02 TP
Carrots	708	0			0.035		0.02 TP
Cauliflower	531	9	1.7	0.005 - 0.030	0.004		2.0 TP
Celery	354	9	2.5	0.012 - 0.089	0.010		10 TP
Eggplant	703	0			0.001 - 0.035		0.02 TP
Grape Juice	700	0			0.025		0.02 TP
Green Beans	700	48	6.9	0.001 - 1.9	0.001	X-26	0.02 TP
Peaches	518	0			0.010		0.02 TP
Peaches, Frozen	154	0			0.010		0.02 TP
Pears	707	0			0.025		0.02 TP
Plums	277	0			0.005		0.02 TP
Summer Squash	698	0			0.001 - 0.020		0.02 TP
Sweet Bell Peppers	319	3	0.9	0.015 - 0.059	0.010		4.0 TP
Tangerines	531	0			0.10		0.02 TP
Watermelon	175	0			0.020		0.02 TP
Winter Squash	706	4	0.6	0.010 - 0.073	0.001	X-2	0.02 TP
TOTAL	**8,815**	**73**					

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
Methfuroxam (fungicide)							
Summer Squash	365	0			0.001		NT
Winter Squash	639	0			0.001		NT
TOTAL	**1,004**	**0**					
Methidathion (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.001 - 0.003		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.015		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.015		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.010		0.05 IT
Peaches, Frozen	154	0			0.010		0.05 IT
Pears	707	0			0.020		0.05 IT
Plums	277	0			0.010		0.05 IT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.002		6.0 IT
Winter Squash	706	0			0.003		NT
TOTAL	**8,315**	**0**					
Methiocarb (insecticide)							
Broccoli	708	0			0.001		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,766**	**0**					
Methiocarb sulfone (metabolite of Methiocarb)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	677	0			0.003		NT
TOTAL	**1,742**	**0**					
Methiocarb sulfoxide (metabolite of Methiocarb)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Methomyl (insecticide)							
Blueberries, Cultivated, Fresh	692	10	1.4	0.032 - 1.0	0.030		6
Blueberries, Frozen	14	0			0.030		6
Broccoli	708	5	0.7	0.011 - 0.037	0.008		3
Cantaloupe	328	0			0.030		0.2
Carrots	708	0			0.015		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
Cauliflower	531	4	0.8	0.009 - 0.26	0.008		6.0
Celery	354	18	5.1	0.010 - 0.082	0.010		3
Eggplant	703	13	1.8	0.011 - 0.24	0.002 - 0.015		0.2
Grape Juice	700	0			0.005		5 IT
Green Beans	700	21	3	0.013 - 1.5	0.010		2
Peaches	518	0			0.010		5
Peaches, Frozen	154	1	0.6	0.29	0.010		5
Pears	707	1	0.1	0.008	0.005		4 R
Plums	277	0			0.030		NT
Summer Squash	698	6	0.9	0.006 - 0.072	0.005 - 0.010		0.2
Sweet Bell Peppers	319	16	5	0.013 - 0.92	0.010		2
Tangerines	531	0			0.010		2
Watermelon	175	10	5.7	0.005 - 0.039	0.005		0.2
Winter Squash	706	1	0.1	0.027	0.010		0.2
TOTAL	**9,523**	**106**					
Methomyl oxime (insecticide metabolite)							
Carrots	708	0			0.10		0.2
Eggplant	346	0			0.10		0.2
Summer Squash	333	0			0.10		0.2
Tangerines	531	0			0.10		2
Watermelon	175	0			0.10		0.2
TOTAL	**2,093**	**0**					
Methoprene (insect growth regulator)							
Broccoli	708	0			0.015		EX3
Carrots	708	0			0.060		EX3
Cauliflower	531	0			0.050		EX3
Eggplant	703	0			0.050 - 0.060		EX3
TOTAL	**2,650**	**0**					
Methoprotryne (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Methoxychlor (insecticide)							
Broccoli	708	0			0.003		NT
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.003		NT
Eggplant	703	0			0.003 - 0.020		NT
Green Beans	690	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	690	0			0.001		NT
TOTAL	**4,395**	**0**					
Methoxychlor olefin (metabolite of Methoxychlor)							
Broccoli	708	0			0.001		NT
Cauliflower	531	0			0.001		NT
Eggplant	357	0			0.001		NT
TOTAL	**1,596**	**0**					
Methoxychlor p,p' (isomer of Methoxychlor)							
Celery	354	0			0.005		NT
Peaches	518	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
Peaches, Frozen	154	0			0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
TOTAL	**1,354**	**0**					
Methoxyfenozide (insecticide)							
Blueberries, Cultivated, Fresh	692	31	4.5	0.004 - 0.28	0.003		3.0
Blueberries, Frozen	14	1	7.1	0.027	0.003		3.0
Broccoli	708	11	1.6	0.002 - 0.14	0.001 - 0.003		7.0
Cantaloupe	328	0			0.003		0.3
Carrots	708	0			0.010 - 0.020		0.90
Cauliflower	531	0			0.001		7.0
Celery	354	17	4.8	0.010 - 0.22	0.010		25
Eggplant	703	18	2.6	0.004 - 0.024	0.003 - 0.010		2.0
Grape Juice	700	479	68.4	0.002 - 0.031	0.001		1.0
Green Beans	700	25	3.6	0.003 - 0.27	0.003		1.5
Peaches	518	109	21	0.010 - 0.13	0.010		3.0
Peaches, Frozen	154	0			0.010		3.0
Pears	707	105	14.9	0.002 - 0.077	0.001		2.0
Plums	277	120	43.3	0.003 - 0.12	0.003		0.30
Summer Squash	698	6	0.9	0.003 - 0.012	0.002 - 0.003		0.3
Sweet Bell Peppers	319	16	5	0.010 - 0.076	0.010		2.0
Tangerines	531	0			0.010		3.0
Watermelon	175	0			0.002		0.3
Winter Squash	706	28	4	0.003 - 0.10	0.003		0.3
TOTAL	**9,523**	**966**					
Metobromuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Metolachlor (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.001		0.40
Blueberries, Frozen	14	0			0.001		0.40
Broccoli	708	0			0.001		0.60
Cantaloupe	328	0			0.001		0.50
Carrots	708	0			0.010		0.40
Cauliflower	531	0			0.001		0.60
Celery	354	0			0.005		0.10
Eggplant	703	0			0.001 - 0.010		0.10
Green Beans	700	0			0.001		0.30
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.001		NT
Summer Squash	698	0			0.001 - 0.005		0.50
Sweet Bell Peppers	328	0			0.005		0.10
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.50
Winter Squash	706	0			0.001		0.50
TOTAL	**8,125**	**0**					
Metolachlor oxanilic acid (OA) (herbicide metabolite)							
Summer Squash	333	2	0.6	0.051 - 0.063	0.050		0.50
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.050		0.50
TOTAL	**1,039**	**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
Metolcarb (insecticide, acaricide)							
Green Beans	700	0			0.010		NT
Summer Squash	365	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**1,771**	**0**					
Metoxuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Metrafenone (fungicide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.005		0.90
Grape Juice	700	0			0.005		4.5
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		0.70
Peaches, Frozen	154	0			0.010		0.70
Pears	707	0			0.005		1.5
Summer Squash	698	4	0.6	0.002 - 0.012	0.001 - 0.010		0.50
Sweet Bell Peppers	319	0			0.010		0.90
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		0.50
Winter Squash	706	7	1	0.002 - 0.016	0.001		0.50
TOTAL	**6,616**	**11**					
Metribuzin (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	1	0.1	0.003	0.002	V-1	NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.020		0.3
Cauliflower	531	0			0.002		NT
Eggplant	703	0			0.002 - 0.020		NT
Green Beans	700	0			0.005		NT
Plums	277	0			0.005		NT
Summer Squash	365	0			0.005		NT
Tangerines	531	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**6,263**	**1**					
Metsulfuron methyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Mevinphos (insecticide)							
Broccoli	708	0			0.002		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.002		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.010		NT
Green Beans	700	0			0.003		NT
Peaches	518	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
Peaches, Frozen	154	0			0.005		NT
Summer Squash	698	0			0.003 - 0.010		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**6,814**	**0**					
Mexacarbate (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
MGK-264 (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.10		5 FF
Blueberries, Frozen	14	0			0.10		5 FF
Broccoli	708	0			0.002		5 FF
Cantaloupe	328	0			0.10		5 FF
Carrots	708	0			0.015		5 FF
Cauliflower	531	0			0.002		5 FF
Celery	354	0			0.010		5 FF
Eggplant	703	0			0.005 - 0.015		5 FF
Grape Juice	700	0			0.006		5 FF
Green Beans	700	0			0.001		5 FF
Peaches	417	0			0.010		5 FF
Peaches, Frozen	149	0			0.010		5 FF
Plums	277	0			0.10		5 FF
Summer Squash	698	0			0.001 - 0.025		5 FF
Sweet Bell Peppers	319	0			0.010		5 FF
Tangerines	531	0			0.025		5 FF
Watermelon	175	0			0.025		5 FF
Winter Squash	706	0			0.001		5 FF
TOTAL	**8,710**	**0**					
MGK-326 (insecticide)							
Carrots	708	0			0.015		NT
Eggplant	346	0			0.015		NT
TOTAL	**1,054**	**0**					
Molinate (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Monocrotophos (insecticide)							
Carrots	708	0			0.020		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.020		NT
Green Beans	700	0			0.003		NT
Peaches	500	0			0.010		NT
Peaches, Frozen	152	0			0.010		NT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**4,150**	**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
Monolinuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Monuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Myclobutanil (fungicide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.086	0.003	V-1	NT
Blueberries, Frozen	14	0			0.003		NT
Broccoli	708	0			0.003		0.03 IN
Cantaloupe	328	5	1.5	0.003 - 0.007	0.003		0.20
Carrots	708	51	7.2	0.001 - 0.006	0.001		0.03 IN
Cauliflower	531	0			0.001		0.03 IN
Celery	354	1	0.3	0.005	0.005		0.03 IN
Eggplant	703	6	0.9	0.002 - 0.010	0.001		4.0
Grape Juice	700	0			0.004		1.0
Green Beans	700	50	7.1	0.003 - 0.096	0.003		1.0
Peaches	518	31	6	0.005 - 0.17	0.005		2.0
Peaches, Frozen	154	2	1.3	0.006 - 0.009	0.005		2.0
Pears	707	2	0.3	0.007	0.004	V-2	NT
Plums	277	0			0.003		2.0
Summer Squash	698	22	3.2	0.003 - 0.044	0.003 - 0.010		0.20
Sweet Bell Peppers	328	23	7	0.006 - 0.062	0.005		4.0
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		0.20
Winter Squash	706	29	4.1	0.003 - 0.021	0.003		0.20
TOTAL	**9,532**	**223**					
Naled (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.020		0.5 FF
Blueberries, Frozen	14	0			0.020		0.5 FF
Carrots	708	0			0.20		0.5 FF
Eggplant	346	0			0.20		0.5
Grape Juice	700	0			0.015		0.5 FF
Plums	277	0			0.020		0.5 FF
TOTAL	**2,737**	**0**					
1-Naphthol (metabolite of Carbaryl)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.095	0.015		3.0 TP
Blueberries, Frozen	14	0			0.015		3.0 TP
Cantaloupe	162	0			0.015		3.0 TP
Carrots	708	0			0.20		2.0 TP
Eggplant	346	1	0.3	0.20	0.20		5.0 TP
Grape Juice	700	0			0.25		10 TP
Pears	707	0			0.25		12 TP
Plums	277	0			0.015 - 0.030		10 TP
TOTAL	**3,606**	**2**					
Napropamide (herbicide)							
Broccoli	708	0			0.002		0.1
Carrots	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
Cauliflower	531	0			0.002		0.1
Celery	354	0			0.010		NT
Eggplant	703	0			0.002 - 0.010		0.1
Grape Juice	700	0			0.002		0.1
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	698	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		0.1
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,505**	**0**					
Neburon (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Nicosulfuron (herbicide)							
Summer Squash	218	0			0.005		NT
Tangerines	400	0			0.005		NT
Watermelon	175	0			0.005		NT
TOTAL	**793**	**0**					
Nitenpyram (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Nitrapyrin (nitrification inhibitor)							
Summer Squash	698	0			0.003 - 0.005		NT
Tangerines	531	0			0.005		0.06
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,110**	**0**					
Nitrofen (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Norflurazon (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.002		0.2
Blueberries, Frozen	14	0			0.002		0.2
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.002		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.005		NT
Grape Juice	700	0			0.015		0.1
Green Beans	700	0			0.003		NT
Peaches	518	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
Peaches, Frozen	154	0			0.010		0.1
Pears	707	0			0.015		0.1
Plums	277	0			0.002		0.1
Summer Squash	698	0			0.003 - 0.010		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.010		0.2
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**9,523**	**0**					
Norflurazon desmethyl (metabolite of Norflurazon)							
Blueberries, Cultivated, Fresh	692	0			0.005		0.2
Blueberries, Frozen	14	0			0.005		0.2
Broccoli	708	2	0.3	0.002	0.001 - 0.003	V-2	NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.010		NT
Cauliflower	531	1	0.2	0.002	0.001	V-1	NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.010		0.1
Green Beans	700	0			0.003		NT
Peaches	518	0			0.010		0.1
Peaches, Frozen	154	0			0.010		0.1
Plums	277	0			0.005		0.1
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.005		0.2
Winter Squash	706	0			0.003		NT
TOTAL	**8,308**	**3**					
Novaluron (insecticide)							
Blueberries, Cultivated, Fresh	692	5	0.7	0.018 - 0.38	0.009		7.0
Blueberries, Frozen	14	0			0.009		7.0
Broccoli	708	10	1.4	0.002 - 0.042	0.001 - 0.003		0.7
Cantaloupe	328	0			0.009		0.20
Carrots	708	0			0.010		0.05
Cauliflower	531	1	0.2	0.002	0.001 - 0.003		0.7
Celery	354	1	0.3	0.063	0.010	X-1	0.01 FF
Eggplant	682	10	1.5	0.002 - 0.031	0.001 - 0.010		2
Grape Juice	700	0			0.003		0.01 FF
Green Beans	700	47	6.7	0.003 - 0.11	0.003		0.70
Peaches	518	7	1.4	0.013 - 0.13	0.010		1.9
Peaches, Frozen	154	0			0.010		1.9
Pears	707	166	23.5	0.005 - 0.92	0.003		3.0
Plums	277	0			0.009 - 0.017		1.9
Summer Squash	698	4	0.6	0.009 - 0.028	0.003 - 0.005		0.20
Sweet Bell Peppers	319	17	5.3	0.011 - 0.046	0.010		2
Tangerines	531	0			0.025		0.01 FF
Winter Squash	706	16	2.3	0.003 - 0.032	0.003		0.20
TOTAL	**9,327**	**284**					
Nuarimol (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**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
Octhilinone (fungicide)							
Green Beans	431	0			0.005		NT
Summer Squash	160	0			0.005		NT
Winter Squash	376	0			0.005		NT
TOTAL	**967**	**0**					
Omethoate (insecticide) (also a metabolite of Dimethoate)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.028	0.020		1.0 TP
Blueberries, Frozen	14	0			0.020		1.0 TP
Broccoli	708	1	0.1	0.004	0.002		2.0 TP
Cantaloupe	328	0			0.020		1.0 TP
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.002		2.0 TP
Celery	354	9	2.5	0.011 - 0.039	0.010		2.0 TP
Eggplant	703	2	0.3	0.016 - 0.019	0.002 - 0.010	V-2	NT
Green Beans	700	36	5.1	0.001 - 0.086	0.001		2.0 TP
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	0			0.005		2.0 TP
Plums	277	0			0.020		NT
Summer Squash	698	0			0.001 - 0.015		NT
Sweet Bell Peppers	319	0			0.010		2.0 TP
Tangerines	531	0			0.030		2.0 TP
Watermelon	175	0			0.015		1.0 TP
Winter Squash	706	1	0.1	0.006	0.001	V-1	NT
TOTAL	**8,823**	**50**					
Oryzalin (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.020		0.05
Blueberries, Frozen	14	0			0.020		0.05
Cantaloupe	328	0			0.020		NT
Carrots	708	0			0.10		NT
Celery	354	0			0.020		NT
Eggplant	346	0			0.10		NT
Grape Juice	700	0			0.008		0.05
Peaches	518	0			0.020		0.05
Peaches, Frozen	154	0			0.020		0.05
Pears	707	0			0.008		0.05
Plums	247	0			0.020		0.05
Sweet Bell Peppers	319	0			0.10		NT
Tangerines	531	0			0.20		0.05
TOTAL	**5,618**	**0**					
Oxadiazon (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,805**	**0**					
Oxadixyl (fungicide)							
Broccoli	708	0			0.003		NT
Cauliflower	531	0			0.003		NT
Celery	354	0			0.010		NT
Eggplant	357	0			0.003 - 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
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,712**	**0**					
Oxamyl (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.003		NT
Blueberries, Frozen	14	0			0.003		NT
Cantaloupe	328	0			0.003		2.0
Carrots	708	0			0.005		0.1
Cauliflower	531	0			0.006		NT
Celery	354	10	2.8	0.010 - 0.047	0.010		10.0
Eggplant	346	9	2.6	0.005 - 0.088	0.005		2.0
Green Beans	700	1	0.1	0.005	0.005	V-1	NT
Peaches	500	0			0.010		NT
Peaches, Frozen	152	0			0.010		NT
Pears	707	0			0.015		2.0
Plums	246	0			0.003		NT
Summer Squash	698	22	3.2	0.005 - 1.5	0.005		2.0
Sweet Bell Peppers	319	22	6.9	0.012 - 0.18	0.010		2.0
Tangerines	531	0			0.005		3
Watermelon	175	1	0.6	0.017	0.005		2.0
Winter Squash	706	0			0.005		2.0
TOTAL	**7,707**	**65**					
Oxamyl oxime (metabolite of Oxamyl)							
Blueberries, Cultivated, Fresh	692	0			0.007		NT
Blueberries, Frozen	14	0			0.007		NT
Cantaloupe	328	24	7.3	0.008 - 0.15	0.007		2.0
Carrots	708	0			0.040		0.1
Celery	354	6	1.7	0.011 - 0.036	0.010		10.0
Eggplant	346	11	3.2	0.041 - 0.19	0.040		2.0
Green Beans	700	0			0.005		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.007		NT
Summer Squash	698	12	1.7	0.006 - 0.76	0.005 - 0.050		2.0
Sweet Bell Peppers	319	81	25.4	0.010 - 0.46	0.010		2.0
Tangerines	531	0			0.050		3
Watermelon	175	1	0.6	0.054	0.050		2.0
Winter Squash	706	1	0.1	0.063	0.005		2.0
TOTAL	**6,520**	**136**					
Oxathiapiprolin (fungicide)							
Carrots	708	0			0.020 - 0.10		0.10 IN
Eggplant	346	0			0.020		0.50
Grape Juice	700	0			0.003		0.70 FU
Green Beans	700	0			0.001		0.10 IN
Summer Squash	698	0			0.001 - 0.010		0.20
Tangerines	531	0			0.010		0.06
Watermelon	175	0			0.010		0.20
Winter Squash	706	6	0.8	0.001 - 0.006	0.001		0.20
TOTAL	**4,564**	**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
Oxycarboxin (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Oxydemeton methyl (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Cantaloupe	328	0			0.002		0.2
Carrots	708	0			0.005		NT
Celery	353	0			0.010		NT
Eggplant	346	0			0.005		1.0
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.002		NT
Summer Squash	365	0			0.001		1.0
Sweet Bell Peppers	319	0			0.010		0.75
Winter Squash	706	0			0.001		0.3
TOTAL	**5,480**	**0**					
Oxydemeton methyl sulfone (metabolite of Oxydemeton methyl)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Cantaloupe	328	0			0.002		0.2
Carrots	708	0			0.005		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.005		1.0
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.002		NT
Summer Squash	698	0			0.001 - 0.020		1.0
Sweet Bell Peppers	319	0			0.010		0.75
Tangerines	531	0			0.020		NT
Watermelon	175	0			0.020		0.2
Winter Squash	706	0			0.001		0.3
TOTAL	**6,520**	**0**					
Oxyfluorfen (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.050		NT
Blueberries, Frozen	14	0			0.050		NT
Broccoli	708	6	0.8	0.002	0.001 - 0.003		0.05
Cantaloupe	327	0			0.050		NT
Carrots	708	0			0.040		NT
Cauliflower	531	0			0.001 - 0.003		0.05
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.040		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		0.05
Peaches, Frozen	154	0			0.005		0.05
Plums	246	0			0.050		0.05
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,054**	**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
Paclobutrazol (plant growth regulator)							
Carrots	708	0			0.010		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,179**	**0**					
Parathion (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	0			0.003		NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.003		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.003 - 0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,086**	**0**					
Parathion oxygen analog (metabolite of Parathion)							
Broccoli	708	0			0.001		NT
Carrots	708	0			0.005		NT
Cauliflower	531	1	0.2	0.003	0.001	V-1	NT
Eggplant	703	0			0.001 - 0.005		NT
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**4,421**	**1**					
Parathion methyl (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.002		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.002		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	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
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,125**	**0**					
Parathion methyl oxygen analog (metabolite of Parathion methyl)							
Blueberries, Cultivated, Fresh	692	0			0.020		NT
Blueberries, Frozen	14	0			0.020		NT
Cantaloupe	328	0			0.020		NT
Carrots	708	0			0.025		NT
Eggplant	346	0			0.025		NT
Green Beans	700	0			0.010		NT
Plums	277	0			0.020		NT
Summer Squash	365	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**4,136**	**0**					
Pebulate (herbicide)							
Celery	354	0			0.005		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
TOTAL	**1,354**	**0**					
Penconazole (fungicide)							
Carrots	708	0			0.010		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,179**	**0**					
Pencycuron (fungicide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**4,170**	**0**					
Pendimethalin (herbicide)							
Blueberries, Cultivated, Fresh	663	0			0.050		0.1
Blueberries, Frozen	13	0			0.050		0.1
Broccoli	708	26	3.7	0.002 - 0.014	0.001		0.1
Cantaloupe	328	0			0.050		0.10
Carrots	708	0			0.020		0.5
Cauliflower	531	0			0.001		0.1
Celery	354	3	0.8	0.007 - 0.009	0.005		0.2
Eggplant	703	0			0.001 - 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
Grape Juice	700	0			0.007		0.1
Green Beans	700	14	2	0.001 - 0.007	0.001		0.10
Peaches	518	2	0.4	0.005 - 0.008	0.005		0.1
Peaches, Frozen	154	0			0.005		0.1
Pears	707	1	0.1	0.037	0.007		0.1
Plums	277	0			0.050		0.1
Summer Squash	698	5	0.7	0.001 - 0.002	0.001 - 0.005	V-5	NT
Sweet Bell Peppers	328	0			0.005		0.1
Tangerines	531	0			0.005		0.1
Watermelon	175	0			0.005		0.10
Winter Squash	706	4	0.6	0.002 - 0.007	0.001	V-4	NT
TOTAL	**9,502**	**55**					
Penflufen (fungicide)							
Green Beans	700	0			0.001		0.01
Summer Squash	698	0			0.001		NT
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,810**	**0**					
Penoxsulam (herbicide)							
Celery	354	0			0.010		NT
Grape Juice	700	0			0.002		0.01
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		0.01
Peaches, Frozen	154	0			0.010		0.01
Pears	707	0			0.002		0.01
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,523**	**0**					
Pentachloroaniline - PCA (metabolite of Quintozene)							
Blueberries, Cultivated, Fresh	692	0			0.004		NT
Blueberries, Frozen	14	0			0.004		NT
Broccoli	708	6	0.8	0.002 - 0.010	0.001		0.1
Cantaloupe	328	0			0.004		NT
Carrots	708	4	0.6	0.005 - 0.010	0.005	V-4	NT
Cauliflower	531	0			0.001		0.1
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.005		0.1
Green Beans	700	0			0.001		0.1
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.004		NT
Summer Squash	698	12	1.7	0.001 - 0.010	0.001 - 0.005	V-12	NT
Sweet Bell Peppers	328	2	0.6	0.005 - 0.014	0.005		0.1
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	7	1	0.001 - 0.006	0.001	V-7	NT
TOTAL	**8,125**	**31**					
Pentachlorobenzene - PCB (metabolite of Quintozene)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Broccoli	708	0			0.003 - 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
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.002		NT
Cauliflower	531	0			0.003 - 0.010		0.1
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.010		0.1
Green Beans	700	0			0.001		0.1
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.005		NT
Summer Squash	698	2	0.3	0.007 - 0.008	0.001 - 0.002	V-2	NT
Sweet Bell Peppers	328	0			0.005		0.1
Tangerines	531	0			0.002		NT
Watermelon	175	0			0.002		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,125**	**2**					
Pentachlorophenyl methyl sulfide - PCPMS (metabolite of Quintozene)							
Broccoli	708	1	0.1	0.002	0.001		0.1
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.003		0.1
Celery	354	0			0.005		NT
Eggplant	294	0			0.010		0.1
Green Beans	700	0			0.003		0.1
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	698	0			0.003 - 0.015		NT
Sweet Bell Peppers	328	0			0.005		0.1
Tangerines	531	0			0.015		NT
Watermelon	175	0			0.015		NT
Winter Squash	706	0			0.003		NT
TOTAL	**6,405**	**1**					
Penthiopyrad (fungicide)							
Broccoli	621	8	1.3	0.002 - 0.24	0.001 - 0.003		5
Carrots	708	36	5.1	0.001 - 0.067	0.001		3.0
Cauliflower	488	0			0.001 - 0.006		5
Celery	354	18	5.1	0.010 - 0.14	0.010		30
Eggplant	703	15	2.1	0.001 - 0.034	0.001		3.0
Green Beans	700	49	7	0.001 - 0.11	0.001		4.0
Peaches	518	21	4.1	0.010 - 0.20	0.010		4
Peaches, Frozen	154	0			0.010		4
Pears	707	0			0.001		0.50
Summer Squash	698	6	0.9	0.001 - 0.006	0.001		0.60
Sweet Bell Peppers	319	23	7.2	0.010 - 0.20	0.010		3.0
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		0.60
Winter Squash	706	5	0.7	0.002 - 0.004	0.001		0.60
TOTAL	**7,382**	**181**					
Permethrin Total (insecticide)							
Celery	354	171	48.3	0.005 - 0.27	0.005		5
Green Beans	700	8	1.1	0.004 - 0.076	0.003	V-8	NT
Peaches	518	15	2.9	0.029 - 0.42	0.005		2
Peaches, Frozen	154	0			0.005		2
Summer Squash	698	0			0.003 - 0.050		1.5
Sweet Bell Peppers	328	13	4	0.006 - 0.054	0.005		0.50
Tangerines	531	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
Watermelon	175	0			0.050		1.5
Winter Squash	706	15	2.1	0.003 - 0.015	0.003		1.5
TOTAL	**4,164**	**222**					
Permethrin cis (isomer of Permethrin)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	50	7.1	0.002 - 0.13	0.001		2.0
Cantaloupe	328	0			0.010		1.5
Carrots	708	0			0.010		NT
Cauliflower	531	4	0.8	0.002 - 0.012	0.001		0.5
Eggplant	703	35	5	0.002 - 0.12	0.001 - 0.010		0.50
Grape Juice	700	0			0.007		2 R
Pears	707	0			0.007		0.05
Plums	277	0			0.010		NT
TOTAL	**5,368**	**89**					
Permethrin trans (isomer of Permethrin)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	44	6.2	0.002 - 0.14	0.001		2.0
Cantaloupe	328	0			0.010		1.5
Carrots	708	0			0.010		NT
Cauliflower	531	4	0.8	0.002	0.001		0.5
Eggplant	703	33	4.7	0.002 - 0.12	0.001 - 0.010		0.50
Grape Juice	700	0			0.007		2 R
Pears	707	0			0.007		0.05
Plums	277	0			0.010		NT
TOTAL	**5,368**	**81**					
Phenmedipham (herbicide)							
Summer Squash	333	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
TOTAL	**1,039**	**0**					
Phenothrin (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.050		0.01 FF
Blueberries, Frozen	14	0			0.050		0.01 FF
Broccoli	708	0			0.002		0.01 FF
Cantaloupe	328	0			0.050		0.01 FF
Carrots	708	0			0.075		0.01 FF
Cauliflower	531	0			0.002		0.01 FF
Celery	354	0			0.005		0.01 FF
Eggplant	703	0			0.002 - 0.075		0.01 FF
Grape Juice	700	0			0.015		0.01 FF
Green Beans	700	0			0.010		0.01 FF
Peaches	518	0			0.005		0.01 FF
Peaches, Frozen	154	0			0.005		0.01 FF
Pears	707	0			0.015		0.01 FF
Plums	277	0			0.050		0.01 FF
Summer Squash	698	0			0.010 - 0.025		0.01 FF
Sweet Bell Peppers	328	0			0.005		0.01 FF
Tangerines	531	0			0.025		0.01 FF
Watermelon	175	0			0.025		0.01 FF
Winter Squash	706	0			0.010		0.01 FF
TOTAL	**9,532**	**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
Phenthoate (insecticide)							
Broccoli	708	0			0.001		NT
Cauliflower	531	0			0.001		NT
Eggplant	357	0			0.001		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,367**	**0**					
o-Phenylphenol (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Cantaloupe	328	7	2.1	0.005 - 0.035	0.005		10 PH
Carrots	708	0			0.040		20 PH
Eggplant	346	0			0.040		NT
Pears	707	41	5.8	0.003 - 6.1	0.002		25.0 PH
Plums	277	0			0.005		20 PH
TOTAL	**3,072**	**48**					
Phorate (insecticide)							
Broccoli	708	0			0.003		NT
Carrots	708	0			0.085		NT
Cauliflower	531	0			0.001 - 0.003		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.003 - 0.085		NT
Green Beans	700	0			0.003		0.05
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	698	0			0.003 - 0.030		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.030		NT
Watermelon	175	0			0.030		NT
Winter Squash	706	0			0.003		NT
TOTAL	**6,814**	**0**					
Phorate oxygen analog (metabolite of Phorate)							
Broccoli	708	0			0.001		NT
Cauliflower	531	0			0.001		NT
Eggplant	357	0			0.001		NT
Green Beans	700	0			0.005		0.05
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**3,367**	**0**					
Phorate oxygen analog sulfone (metabolite of Phorate)							
Broccoli	708	0			0.001		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		0.05
Summer Squash	698	0			0.001 - 0.010		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,460**	**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
Phorate oxygen analog sulfoxide (metabolite of Phorate)							
Broccoli	708	0			0.001		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.001		NT
Eggplant	703	0			0.001 - 0.005		NT
Green Beans	700	0			0.001		0.05
Summer Squash	698	0			0.001 - 0.010		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,460**	**0**					
Phorate sulfone (metabolite of Phorate)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.002		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.030		NT
Cauliflower	531	0			0.002		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.030		NT
Green Beans	700	0			0.003		0.05
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.003 - 0.025		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.025		NT
Winter Squash	706	0			0.003		NT
TOTAL	**8,125**	**0**					
Phorate sulfoxide (metabolite of Phorate)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		0.05
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.001 - 0.002		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.002		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,116**	**0**					
Phosalone (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.001		NT
Blueberries, Frozen	14	0			0.001		NT
Broccoli	708	0			0.005		NT
Cantaloupe	328	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
Carrots	708	0			0.015		NT
Cauliflower	531	0			0.002 - 0.005		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.015		NT
Grape Juice	700	0			0.015		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Pears	707	0			0.015		NT
Plums	277	0			0.001		NT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**8,493**	**0**					
Phosmet (insecticide)							
Blueberries, Cultivated, Fresh	692	78	11.3	0.010 - 1.6	0.010		10
Blueberries, Frozen	14	4	28.6	0.019 - 0.10	0.010		10
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.025		NT
Celery	354	0			0.005		NT
Eggplant	616	0			0.005 - 0.025		NT
Grape Juice	700	6	0.9	0.012	0.007		10
Green Beans	700	0			0.001		NT
Peaches	518	9	1.7	0.009 - 0.16	0.005		10
Peaches, Frozen	154	0			0.005		10
Pears	707	0			0.007		10
Plums	277	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.020		5
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,873**	**97**					
Phosmet oxygen analog (metabolite of Phosmet)							
Blueberries, Cultivated, Fresh	692	2	0.3	0.006 - 0.008	0.004		10
Blueberries, Frozen	14	1	7.1	0.015	0.004		10
Cantaloupe	328	0			0.004		NT
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
Grape Juice	700	0			0.005		10
Green Beans	700	0			0.001		NT
Pears	707	0			0.005		10
Plums	277	0			0.004		NT
Summer Squash	698	0			0.001 - 0.005		NT
Tangerines	531	0			0.005		5
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,582**	**3**					
Phosphamidon (insecticide)							
Broccoli	708	0			0.001		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	357	0			0.001		NT
Green Beans	700	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
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.005		NT
TOTAL	**4,712**	**0**					
Phoxim (insecticide)							
Carrots	708	0			0.025		NT
Eggplant	346	0			0.025		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,825**	**0**					
Picolinafen (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Picoxystrobin (fungicide)							
Broccoli	708	0			0.001 - 0.003		2.0
Carrots	708	0			0.001		0.50
Cauliflower	424	0			0.001 - 0.006		2.0
Eggplant	703	0			0.001		0.70
Green Beans	700	0			0.005		2.0
Summer Squash	698	0			0.005		0.30
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		0.30
Winter Squash	706	0			0.005		0.30
TOTAL	**5,353**	**0**					
Pinoxaden (herbicide)							
Green Beans	528	0			0.020		NT
Summer Squash	284	0			0.020		NT
Winter Squash	588	0			0.020		NT
TOTAL	**1,400**	**0**					
Piperonyl butoxide (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.005		10 FF
Blueberries, Frozen	14	0			0.005		10 FF
Broccoli	708	1	0.1	0.003	0.002		10 FF
Cantaloupe	328	0			0.005		10 FF
Carrots	708	0			0.015		10 FF
Cauliflower	531	0			0.002		10 FF
Celery	354	3	0.8	0.007 - 0.025	0.005		10 FF
Eggplant	703	0			0.002 - 0.015		10 FF
Grape Juice	700	1	0.1	0.007	0.004		10 FF
Green Beans	700	2	0.3	0.008 - 0.033	0.003		10 FF
Peaches	518	0			0.005		10 FF
Peaches, Frozen	154	0			0.005		10 FF
Pears	707	0			0.004		10 FF
Plums	277	0			0.005		10 FF
Summer Squash	698	0			0.003 - 0.025		10 FF
Sweet Bell Peppers	328	1	0.3	0.045	0.005		10 FF
Tangerines	531	0			0.025		10 FF

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
Watermelon	175	0			0.025		10 FF
Winter Squash	706	0			0.003		10 FF
TOTAL	**9,532**	**8**					
Pirimicarb (insecticide)							
Broccoli	708	0			0.001		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,766**	**0**					
Pirimicarb desmethyl (metabolite of Pirimicarb)							
Carrots	708	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.001		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,170**	**0**					
Pirimiphos ethyl (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Pirimiphos methyl (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.001		NT
Blueberries, Frozen	14	0			0.001		NT
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.001		NT
Carrots	708	0			0.010		NT
Cauliflower	531	1	0.2	0.005	0.001	V-1	NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.001		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,086**	**1**					
Prallethrin (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.008		1.0 FF
Blueberries, Frozen	14	0			0.008		1.0 FF

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
Cantaloupe	328	0			0.008		1.0 FF
Carrots	708	0			0.045		1.0 FF
Celery	354	0			0.010		1.0 FF
Eggplant	346	0			0.045		1.0 FF
Grape Juice	700	0			0.005		1.0 FF
Green Beans	700	0			0.020		1.0 FF
Peaches	518	0			0.010		1.0 FF
Peaches, Frozen	154	0			0.010		1.0 FF
Pears	707	0			0.005		1.0 FF
Plums	277	0			0.008		1.0 FF
Summer Squash	365	0			0.020		1.0 FF
Sweet Bell Peppers	319	0			0.010		1.0 FF
Tangerines	531	0			0.030		1.0 FF
Winter Squash	706	0			0.020		1.0 FF
TOTAL	**7,419**	**0**					
Pretilachlor (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Primisulfuron methyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Prochloraz (fungicide)							
Celery	354	0			0.005		NT
Green Beans	700	0			0.005		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**3,125**	**0**					
Procymidone (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.010		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,490**	**0**					
Prodiamine (herbicide)							
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		NT
TOTAL	**1,054**	**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
Profenofos (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.075		NT
Blueberries, Frozen	14	0			0.075		NT
Broccoli	708	0			0.003		NT
Cantaloupe	328	0			0.075		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	4	0.6	0.002 - 0.009	0.001	V-4	NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.075		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,116**	**4**					
Profluralin (herbicide)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Promecarb (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Prometon (herbicide)							
Broccoli	708	1	0.1	0.002	0.001	V-1	NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Eggplant	703	0			0.001 - 0.010		NT
TOTAL	**2,650**	**1**					
Prometryn (herbicide)							
Broccoli	708	3	0.4	0.002	0.001	V-3	NT
Carrots	708	3	0.4	0.017 - 0.039	0.010		0.45
Cauliflower	531	1	0.2	0.002	0.001	V-1	NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		0.05
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,421**	**7**					
Pronamide (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.002		0.05
Blueberries, Frozen	14	0			0.002		0.05
Broccoli	708	44	6.2	0.002 - 0.008	0.001 - 0.003	V-44	NT
Cantaloupe	328	0			0.002		NT
Carrots	708	0			0.010		NT
Cauliflower	531	1	0.2	0.002	0.001	V-1	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
Celery	354	1	0.3	0.005	0.005	V-1	NT
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.010		0.1
Green Beans	700	1	0.1	0.002	0.001	V-1	NT
Peaches	518	0			0.005		0.1
Peaches, Frozen	154	0			0.005		0.1
Pears	707	0			0.010		0.1
Plums	277	0			0.002		0.1
Summer Squash	698	1	0.1	0.006	0.001 - 0.005	V-1	NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**9,532**	**48**					
Propachlor (herbicide)							
Broccoli	708	0			0.001		NT
Cauliflower	531	0			0.001		NT
Eggplant	357	0			0.001 - 0.003		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,367**	**0**					
Propamocarb (fungicide)							
Celery	354	1	0.3	0.010	0.010	V-1	NT
Green Beans	700	11	1.6	0.001 - 0.12	0.001	V-11	NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	19	5.2	0.001 - 0.41	0.001		1.5
Sweet Bell Peppers	319	22	6.9	0.010 - 0.64	0.010		4
Winter Squash	706	55	7.8	0.002 - 0.34	0.001		1.5
TOTAL	**3,116**	**108**					
Propamocarb hydrochloride [4] (fungicide)							
Blueberries, Cultivated, Fresh	664	0			0.002		NT
Blueberries, Frozen	12	0			0.002		NT
Cantaloupe	328	69	21	0.002 - 0.018	0.002		1.5
Carrots	708	1	0.1	0.008	0.005	V-1	NT
Eggplant	346	6	1.7	0.005 - 0.053	0.005		4
Plums	277	0			0.002		NT
Summer Squash	333	25	7.5	0.001 - 0.16	0.001		1.5
Tangerines	531	0			0.001		NT
Watermelon	175	5	2.9	0.001 - 0.002	0.001		1.5
TOTAL	**3,374**	**106**					
Propanil (herbicide)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Propaquizafop (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**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
Propargite (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.050		NT
Blueberries, Frozen	14	0			0.050		NT
Broccoli	708	0			0.006		NT
Cantaloupe	328	0			0.050		NT
Carrots	708	0			0.040		NT
Cauliflower	531	0			0.006 - 0.020		NT
Celery	354	0			0.020		NT
Eggplant	703	0			0.006 - 0.040		NT
Grape Juice	700	0			0.008		10.0
Green Beans	700	1	0.1	0.002	0.001	V-1	NT
Peaches	518	0			0.020		NT
Peaches, Frozen	154	0			0.020		NT
Pears	707	0			0.008		NT
Plums	277	0			0.050		NT
Summer Squash	698	0			0.001 - 0.025		NT
Sweet Bell Peppers	328	0			0.020		NT
Tangerines	531	0			0.025		NT
Watermelon	175	0			0.025		NT
Winter Squash	706	0			0.001		NT
TOTAL	**9,532**	**1**					
Propazine (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Propetamphos (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.001 - 0.003		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.001 - 0.020		NT
Grape Juice	700	0			0.005		NT
Green Beans	700	0			0.005		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**8,308**	**0**					
Propham (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Propiconazole (fungicide)							
Blueberries, Cultivated, Fresh	692	2	0.3	0.020 - 0.047	0.010		1.3
Blueberries, Frozen	14	0			0.010		1.3

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
Broccoli	708	1	0.1	0.022	0.005 - 0.015	V-1	NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.020		0.3
Cauliflower	531	0			0.005		NT
Celery	354	108	30.5	0.010 - 0.14	0.010		5
Eggplant	703	0			0.005 - 0.020		NT
Green Beans	700	5	0.7	0.001 - 0.051	0.001		0.70
Peaches	518	208	40.2	0.010 - 4.3	0.010	X-1	4.0
Peaches, Frozen	154	12	7.8	0.010 - 0.051	0.010		4.0
Plums	277	40	14.4	0.010 - 0.23	0.010		0.60
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	84	15.8	0.005 - 0.13	0.005		8.0
Watermelon	175	0			0.005		NT
Winter Squash	706	2	0.3	0.001	0.001	V-2	NT
TOTAL	**8,116**	**462**					
Proquinazid (fungicide)							
Grape Juice	700	0			0.002		0.50 FU
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**2,471**	**0**					
Prosulfuron (herbicide)							
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.003 - 0.010		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,864**	**0**					
Prothioconazole (fungicide)							
Summer Squash	246	0			0.10		0.30
Tangerines	531	0			0.10		NT
Watermelon	175	0			0.10		0.30
TOTAL	**952**	**0**					
Prothioconazole desthio (metabolite of Prothioconazole)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		0.30
Winter Squash	706	6	0.8	0.001 - 0.005	0.001		0.30
TOTAL	**1,771**	**6**					
Prothiofos (insecticide)							
Carrots	708	0			0.040		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.040		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	677	0			0.001		NT
TOTAL	**4,150**	**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
Pydiflumetofen (fungicide)							
Carrots	708	0			0.010		0.5
Eggplant	346	1	0.3	0.021	0.010		0.60
Grape Juice	700	0			0.015		1.5
Green Beans	700	3	0.4	0.002 - 0.007	0.001		1
Pears	707	0			0.015		0.2
Summer Squash	698	24	3.4	0.004 - 0.063	0.001 - 0.005		0.50
Tangerines	531	0			0.005		1
Watermelon	175	0			0.005		0.50
Winter Squash	706	42	5.9	0.001 - 0.18	0.001		0.50
TOTAL	**5,271**	**70**					
Pymetrozine (insecticide)							
Broccoli	708	0			0.005		0.5
Carrots	708	0			0.085		NT
Cauliflower	531	0			0.005		0.5
Celery	354	0			0.010		0.6
Eggplant	703	0			0.005 - 0.085		0.2
Green Beans	700	1	0.1	0.003	0.001	V-1	NT
Peaches	500	0			0.010		NT
Peaches, Frozen	152	0			0.010		NT
Summer Squash	365	0			0.001		0.1
Sweet Bell Peppers	319	2	0.6	0.010 - 0.012	0.010		0.2
Winter Squash	706	0			0.001		0.1
TOTAL	**5,746**	**3**					
Pyraclofos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Pyraclostrobin (fungicide)							
Blueberries, Cultivated, Fresh	692	130	18.8	0.003 - 0.56	0.003		4.0
Blueberries, Frozen	14	5	35.7	0.008 - 0.021	0.003		4.0
Broccoli	708	64	9	0.002 - 1.0	0.001 - 0.003		5.0
Cantaloupe	328	0			0.003		0.5
Carrots	708	72	10.2	0.005 - 0.046	0.005		0.4
Cauliflower	531	0			0.001		5.0
Celery	354	40	11.3	0.003 - 0.075	0.003		29
Eggplant	703	18	2.6	0.002 - 0.028	0.001 - 0.005		1.4
Grape Juice	700	0			0.002		2.0
Green Beans	700	143	20.4	0.001 - 0.20	0.001		0.5
Peaches	518	100	19.3	0.003 - 0.13	0.003		2.5
Peaches, Frozen	154	0			0.003		2.5
Pears	707	100	14.1	0.003 - 0.18	0.002		1.5
Plums	277	1	0.4	0.004	0.003		2.5
Summer Squash	698	67	9.6	0.001 - 0.033	0.001		0.5
Sweet Bell Peppers	319	65	20.4	0.003 - 0.12	0.003		1.4
Tangerines	531	5	0.9	0.002 - 0.012	0.001		2.0
Watermelon	175	0			0.001		0.5
Winter Squash	706	38	5.4	0.001 - 0.006	0.001		0.5
TOTAL	**9,523**	**848**					
Pyraflufen ethyl (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	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
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.030		NT
Eggplant	346	0			0.030		NT
Grape Juice	700	0			0.003		0.01
Green Beans	700	0			0.001		NT
Pears	707	0			0.003		0.01
Plums	277	0			0.010		0.01
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**5,543**	**0**					
Pyrazon (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Pyrazophos (fungicide)							
Carrots	708	0			0.010		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,170**	**0**					
Pyrethrins (insecticide)							
Carrots	708	0			0.20		1.0 FF
Eggplant	346	0			0.20		1.0 FF
Green Beans	700	0			0.005		1.0 PH
Summer Squash	365	0			0.005		1.0 FF
Winter Squash	706	0			0.005		1.0 FF
TOTAL	**2,825**	**0**					
Pyridaben (insecticide, acaricide)							
Blueberries, Cultivated, Fresh	692	0			0.005		2.5
Blueberries, Frozen	14	0			0.005		2.5
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.001		NT
Grape Juice	700	0			0.001		2.0
Green Beans	700	0			0.001		NT
Peaches	518	3	0.6	0.008 - 0.011	0.005		3.0
Peaches, Frozen	154	0			0.005		3.0
Pears	707	6	0.8	0.002 - 0.016	0.001		0.75
Plums	277	0			0.005		3.0
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.005		0.9
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,936**	**9**					

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
Pyridalyl (insecticide)							
Carrots	708	0			0.020		NT
Green Beans	700	0			0.001		NT
Summer Squash	698	0			0.001 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	143	0			0.005		NT
Winter Squash	706	2	0.3	0.003 - 0.009	0.001	V-2	NT
TOTAL	**3,486**	**2**					
Pyridaphenthion (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Pyrifluquinazon (insecticide)							
Grape Juice	700	0			0.001		0.30
Green Beans	700	0			0.001		NT
Pears	707	0			0.001		0.07
Summer Squash	698	0			0.001 - 0.005		0.07
Tangerines	531	0			0.005		0.70
Watermelon	175	0			0.005		0.07
Winter Squash	706	0			0.001		0.07
TOTAL	**4,217**	**0**					
Pyrimethanil (fungicide)							
Blueberries, Cultivated, Fresh	692	31	4.5	0.051 - 1.0	0.050		8.0
Blueberries, Frozen	14	0			0.050		8.0
Broccoli	708	1	0.1	0.006	0.001	V-1	NT
Cantaloupe	328	0			0.050		NT
Carrots	708	3	0.4	0.010 - 0.018	0.005	V-3	NT
Cauliflower	531	0			0.003		NT
Celery	354	0			0.003		NT
Eggplant	703	0			0.001 - 0.005		NT
Grape Juice	700	11	1.6	0.003 - 0.022	0.002		5.0
Green Beans	700	2	0.3	0.27 - 0.51	0.005	V-2	NT
Peaches	518	83	16	0.003 - 18	0.003	X-2	10
Peaches, Frozen	154	1	0.6	0.39	0.003		10
Pears	707	450	63.6	0.003 - 17.9	0.002	X-1	15
Plums	277	0			0.050		10
Summer Squash	698	0			0.005		NT
Sweet Bell Peppers	319	1	0.3	0.003	0.003	V-1	NT
Tangerines	531	102	19.2	0.005 - 0.52	0.005		10
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**9,523**	**685**					
Pyriofenone (fungicide)							
Grape Juice	700	0			0.005		1.5
Green Beans	700	0			0.001		NT
Summer Squash	698	1	0.1	0.001	0.001 - 0.005		0.30
Watermelon	175	0			0.005		0.30
Winter Squash	706	1	0.1	0.006	0.001		0.30
TOTAL	**2,979**	**2**					
Pyriproxyfen (insecticide, growth regulator)							
Blueberries, Cultivated, Fresh	663	0			0.001		1.0
Blueberries, Frozen	13	0			0.001		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
Broccoli	708	0			0.001		0.70
Cantaloupe	328	0			0.001		0.10
Carrots	708	0			0.005		0.15
Cauliflower	531	0			0.001		0.70
Celery	354	0			0.005		3.0
Eggplant	703	5	0.7	0.002 - 0.009	0.001 - 0.005		0.80
Grape Juice	700	0			0.006		2.5
Green Beans	700	11	1.6	0.001 - 0.031	0.001		0.20
Peaches	518	12	2.3	0.005 - 0.046	0.005		1.0
Peaches, Frozen	154	0			0.005		1.0
Pears	707	10	1.4	0.010	0.006		0.20
Plums	277	0			0.001		1.0
Summer Squash	698	2	0.3	0.002	0.001		0.10
Sweet Bell Peppers	328	27	8.2	0.005 - 0.051	0.005		0.80
Tangerines	531	2	0.4	0.001	0.001		0.50
Watermelon	175	0			0.001		0.10
Winter Squash	706	1	0.1	0.004	0.001		0.10
TOTAL	**9,502**	**70**					
Pyroxasulfone (herbicide)							
Carrots	708	0			0.005 - 0.050		NT
Eggplant	346	0			0.005 - 0.050		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,825**	**0**					
Pyroxsulam (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Quinalphos (insecticide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,179**	**0**					
Quinoxyfen (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.020		1.0
Blueberries, Frozen	14	0			0.020		1.0
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.020		0.08
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	1	0.1	0.010	0.001 - 0.005		1.7
Grape Juice	700	0			0.001		2.0
Green Beans	700	0			0.001		NT
Peaches	518	1	0.2	0.035	0.010		0.70

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
Peaches, Frozen	154	0			0.010		0.70
Plums	277	0			0.020		0.70
Summer Squash	698	7	1	0.002 - 0.005	0.001	V-7	NT
Sweet Bell Peppers	319	1	0.3	0.018	0.010		1.7
Tangerines	531	0			0.001		NT
Watermelon	175	1	0.6	0.001	0.001		0.08
Winter Squash	706	21	3	0.001 - 0.012	0.001		0.20
TOTAL	**8,816**	**32**					
Quintozene - PCNB (fungicide) (parent of HCB, PCA, PCB and PCPMS)							
Broccoli	708	2	0.3	0.004	0.001		0.1
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		0.1
Celery	354	0			0.005		NT
Eggplant	703	0			0.003 - 0.010		0.1
Green Beans	700	1	0.1	0.003	0.001		0.1
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	698	2	0.3	0.005 - 0.009	0.001 - 0.005	V-2	NT
Sweet Bell Peppers	328	1	0.3	0.008	0.005		0.1
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**6,814**	**6**					
Quizalofop ethyl (herbicide)							
Green Beans	700	0			0.001		0.25
Summer Squash	698	0			0.001 - 0.025		NT
Tangerines	531	0			0.025		NT
Watermelon	175	0			0.025		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,810**	**0**					
Resmethrin (insecticide)							
Carrots	708	0			0.030		3.0 FF
Celery	354	0			0.020		3.0 FF
Eggplant	346	0			0.030		3.0 FF
Grape Juice	700	0			0.012		3.0 FF
Green Beans	700	0			0.003		3.0 FF
Peaches	518	0			0.020		3.0 FF
Peaches, Frozen	154	0			0.020		3.0 FF
Pears	707	0			0.012		3.0 FF
Summer Squash	365	0			0.003		3.0 FF
Sweet Bell Peppers	328	0			0.020		3.0 FF
Tangerines	531	0			0.050		3.0 FF
Winter Squash	706	0			0.003		3.0 FF
TOTAL	**6,117**	**0**					
Resmethrin trans (isomer of Resmethrin)							
Blueberries, Cultivated, Fresh	692	0			0.050		3.0 FF
Blueberries, Frozen	14	0			0.050		3.0 FF
Broccoli	685	0			0.002 - 0.008		3.0 FF
Cantaloupe	328	0			0.050		3.0 FF
Eggplant	357	0			0.002		3.0 FF
Plums	277	0			0.10		3.0 FF
TOTAL	**2,353**	**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
Rimsulfuron (herbicide)							
Celery	354	0			0.010		NT
Grape Juice	700	0			0.005		0.01
Peaches	518	0			0.010		0.01
Peaches, Frozen	154	0			0.010		0.01
Pears	707	0			0.005		0.01
Summer Squash	333	0			0.005		NT
Sweet Bell Peppers	299	0			0.010		NT
Tangerines	531	0			0.010		0.01
Watermelon	175	0			0.005		NT
TOTAL	**3,771**	**0**					
Rotenone (insecticide)							
Green Beans	700	0			0.003		EX4
Summer Squash	365	0			0.003		EX4
Winter Squash	706	0			0.003		EX4
TOTAL	**1,771**	**0**					
Saflufenacil (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Celery	354	0			0.005		NT
Grape Juice	700	0			0.003		0.03
Green Beans	700	0			0.003		0.03
Peaches	518	0			0.005		0.03
Peaches, Frozen	154	0			0.005		0.03
Pears	707	0			0.003		0.03
Plums	277	0			0.010		0.03
Summer Squash	698	0			0.003 - 0.020		NT
Sweet Bell Peppers	299	0			0.005		NT
Tangerines	531	0			0.020		0.03
Watermelon	175	0			0.020		NT
Winter Squash	706	0			0.003		NT
TOTAL	**6,853**	**0**					
S-Bioallethrin (insecticide)							
Green Beans	700	0			0.010		NT
Summer Squash	365	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**1,771**	**0**					
Sedaxane (fungicide)							
Carrots	708	0			0.050		NT
Eggplant	346	0			0.050		NT
Green Beans	700	0			0.005		0.01
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**2,825**	**0**					
Sethoxydim (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.003		4.0
Blueberries, Frozen	14	0			0.003		4.0
Cantaloupe	328	0			0.003		4.0
Carrots	708	0			0.010		4.0
Eggplant	346	0			0.010		4.0
Grape Juice	700	0			0.002		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
Green Beans	700	0			0.003		15
Pears	707	0			0.002		0.2
Plums	277	0			0.003		NT
Summer Squash	698	0			0.003 - 0.005		4.0
Tangerines	531	0			0.005		0.5
Watermelon	175	0			0.005		4.0
Winter Squash	706	0			0.003		4.0
TOTAL	**6,582**	**0**					
Siduron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Simazine (herbicide)							
Blueberries, Cultivated, Fresh	692	3	0.4	0.006 - 0.013	0.005		0.20
Blueberries, Frozen	14	0			0.005		0.20
Broccoli	708	0			0.001 - 0.003		NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001 - 0.003		NT
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.002		0.20
Green Beans	700	0			0.001		NT
Pears	707	0			0.002		0.25
Plums	277	0			0.005		0.20
Summer Squash	698	0			0.001 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,178**	**3**					
Simeconazole (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Simetryn (herbicide)							
Celery	354	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,125**	**0**					
Spinetoram (insecticide)							
Blueberries, Cultivated, Fresh	692	37	5.3	0.003 - 0.036	0.003		0.90
Blueberries, Frozen	14	1	7.1	0.004	0.003		0.90
Broccoli	688	16	2.3	0.003 - 0.20	0.003		2
Cantaloupe	328	0			0.003		0.30
Carrots	708	0			0.010		0.10
Cauliflower	531	2	0.4	0.005 - 0.020	0.001 - 0.003		2
Celery	354	0			0.010		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
Eggplant	703	4	0.6	0.002 - 0.003	0.001 - 0.010		0.40
Grape Juice	700	0			0.003		0.50
Green Beans	700	0			0.010		0.30
Peaches	518	43	8.3	0.010 - 0.037	0.010		0.30
Peaches, Frozen	154	0			0.010		0.30
Pears	707	186	26.3	0.005 - 0.059	0.003		0.20
Plums	277	0			0.003		0.30
Summer Squash	365	0			0.010		0.30
Sweet Bell Peppers	319	0			0.010		0.40
Tangerines	531	0			0.005		0.30
Winter Squash	706	0			0.010		0.30
TOTAL	**8,995**	**289**					
Spinetoram J (metabolite of Spinetoram)							
Summer Squash	333	0			0.005		0.30
Watermelon	175	0			0.005		0.30
TOTAL	**508**	**0**					
Spinetoram L (metabolite of Spinetoram)							
Summer Squash	333	0			0.005		0.30
Watermelon	175	0			0.005		0.30
TOTAL	**508**	**0**					
Spinosad (insecticide) (total of spinosyns A and D)							
Broccoli	708	6	0.8	0.004 - 0.022	0.003		2
Carrots	708	0			0.010		0.10
Cauliflower	531	1	0.2	0.012	0.003		2
Celery	354	0			0.004		8
Eggplant	703	1	0.1	0.006	0.003 - 0.010		0.40
Grape Juice	700	0			0.003		0.50
Green Beans	700	5	0.7	0.003 - 0.045	0.003		0.30
Peaches	508	83	16.3	0.004 - 0.21	0.004	X-1	0.20
Peaches, Frozen	127	0			0.004		0.20
Pears	707	14	2	0.005 - 0.038	0.003		0.20
Summer Squash	365	0			0.003		0.3
Sweet Bell Peppers	319	2	0.6	0.004 - 0.013	0.004		0.40
Winter Squash	706	0			0.003		0.3
TOTAL	**7,136**	**112**					
Spinosad A (isomer of Spinosad)							
Blueberries, Cultivated, Fresh	692	42	6.1	0.003 - 0.17	0.003		0.90
Blueberries, Frozen	14	1	7.1	0.007	0.003		0.90
Cantaloupe	328	0			0.003		0.3
Plums	277	0			0.003		0.20
Summer Squash	333	0			0.002		0.3
Tangerines	531	0			0.002		0.30
Watermelon	175	0			0.002		0.3
TOTAL	**2,350**	**43**					
Spinosad D (isomer of Spinosad)							
Summer Squash	333	0			0.002		0.3
Tangerines	531	0			0.002		0.30
Watermelon	175	0			0.002		0.3
TOTAL	**1,039**	**0**					
Spirodiclofen (acaricide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	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
Broccoli	708	3	0.4	0.010 - 0.020	0.006	V-3	NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.010		NT
Cauliflower	531	2	0.4	0.010	0.006	V-2	NT
Celery	354	0			0.010		NT
Eggplant	703	0			0.006 - 0.010		NT
Grape Juice	700	0			0.004		2.0
Green Beans	700	0			0.003		NT
Peaches	518	125	24.1	0.010 - 0.18	0.010		1.0
Peaches, Frozen	154	0			0.010		1.0
Pears	707	149	21.1	0.007 - 0.16	0.004		0.80
Plums	277	7	2.5	0.010 - 0.053	0.010		1.0
Summer Squash	698	0			0.003 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.005		0.50
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**9,523**	**286**					
Spiromesifen Total (parent + enol metabolite) (insecticide)							
Broccoli	708	0			0.002		2.0
Cauliflower	531	0			0.002		2.0
Eggplant	357	3	0.8	0.004 - 0.019	0.002 - 0.008		0.45
TOTAL	**1,596**	**3**					
Spiromesifen (insecticide)							
Blueberries, Cultivated, Fresh	662	0			0.010		2.0
Blueberries, Frozen	13	0			0.010		2.0
Cantaloupe	328	0			0.010		0.10
Carrots	708	0			0.020		NT
Celery	354	0			0.002		6.0
Eggplant	346	3	0.9	0.022 - 0.035	0.020		0.45
Green Beans	700	0			0.003		0.80
Peaches	518	0			0.002		NT
Peaches, Frozen	154	0			0.002		NT
Plums	250	0			0.010		NT
Summer Squash	698	0			0.003 - 0.010		0.10
Sweet Bell Peppers	319	46	14.4	0.002 - 0.12	0.002		0.45
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		0.10
Winter Squash	706	4	0.6	0.003 - 0.010	0.003		0.10
TOTAL	**6,462**	**53**					
Spiromesifen alcohol (metabolite of Spiromesifen)							
Green Beans	700	0			0.001		0.80
Summer Squash	365	0			0.001		0.10
Winter Squash	706	1	0.1	0.001	0.001		0.10
TOTAL	**1,771**	**1**					
Spiromesifen enol [5] (metabolite of Spiromesifen)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		0.45
TOTAL	**1,054**	**0**					
Spirotetramat (insecticide)							
Blueberries, Cultivated, Fresh	692	18	2.6	0.003 - 0.37	0.002		3.0
Blueberries, Frozen	14	0			0.002		3.0
Broccoli	708	7	1	0.003 - 0.010	0.002		2.5

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
Cantaloupe	328	0			0.002		0.30
Carrots	708	0			0.005		0.15
Cauliflower	531	0			0.002		2.5
Celery	354	0			0.010		9.0
Eggplant	703	0			0.002 - 0.005		2.5
Grape Juice	700	0			0.002		1.3
Green Beans	700	0			0.001		2.5
Peaches	518	0			0.010		4.5
Peaches, Frozen	154	0			0.010		4.5
Pears	707	75	10.6	0.003 - 0.034	0.002		0.70
Plums	277	63	22.7	0.002 - 0.025	0.002		4.5
Summer Squash	698	0			0.001 - 0.002		0.30
Sweet Bell Peppers	319	2	0.6	0.012 - 0.023	0.010		2.5
Tangerines	531	0			0.002		0.60
Watermelon	175	0			0.002		0.30
Winter Squash	706	0			0.001		0.30
TOTAL	**9,523**	**165**					
Spiroxamine (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.005		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.005		1.2 FU
Grape Juice	700	0			0.001		1.0 IM
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.001 - 0.002		NT
Sweet Bell Peppers	319	0			0.010		1.2 FU
Tangerines	499	0			0.002		NT
Watermelon	175	0			0.002		NT
Winter Squash	706	0			0.001		NT
TOTAL	**7,188**	**0**					
Sulfallate (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Sulfentrazone (herbicide)							
Carrots	708	0			0.035		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.035		0.15
Grape Juice	700	0			0.060		0.15
Green Beans	700	0			0.003		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	698	0			0.003 - 0.025		NT
Sweet Bell Peppers	328	0			0.005		0.15
Tangerines	531	0			0.050		0.15
Watermelon	175	0			0.025		0.15
Winter Squash	706	0			0.003		NT
TOTAL	**5,918**	**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
Sulfometuron methyl (herbicide)							
Green Beans	700	0			0.010		NT
Summer Squash	365	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**1,771**	**0**					
Sulfosulfuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Sulfoxaflor (insecticide)							
Carrots	708	0			0.10		0.05
Cauliflower	531	4	0.8	0.005 - 0.050	0.004		0.08
Eggplant	703	25	3.6	0.002 - 0.071	0.001 - 0.10		0.70
Grape Juice	700	0			0.010		2.0
Green Beans	700	11	1.6	0.003 - 0.079	0.003		4.0
Pears	707	8	1.1	0.017	0.010		0.50
Summer Squash	698	3	0.4	0.003 - 0.004	0.003 - 0.050		0.40
Tangerines	531	0			0.15		0.70
Watermelon	175	0			0.050		0.40
Winter Squash	706	0			0.003		0.40
TOTAL	**6,159**	**51**					
Sulprofos (insecticide)							
Broccoli	708	0			0.002		NT
Cauliflower	531	0			0.002		NT
Eggplant	357	0			0.002		NT
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,367**	**0**					
TCMTB (fungicide)							
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		NT
Green Beans	700	0			0.005		NT
Summer Squash	698	0			0.005 - 0.10		NT
Tangerines	531	0			0.10		NT
Watermelon	175	0			0.10		NT
Winter Squash	706	0			0.005		NT
TOTAL	**3,864**	**0**					
Tebuconazole (fungicide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.098	0.010	V-1	NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	1	0.1	0.002	0.001	V-1	NT
Cantaloupe	328	0			0.010		0.4
Carrots	708	2	0.3	0.020 - 0.026	0.015	V-2	NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	3	0.4	0.002 - 0.006	0.001 - 0.015		1.3
Grape Juice	700	155	22.1	0.003	0.002		6
Green Beans	700	35	5	0.001 - 0.092	0.001		0.1
Peaches	518	98	18.9	0.006 - 0.61	0.005		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
Peaches, Frozen	154	11	7.1	0.005 - 0.043	0.005		2
Pears	707	4	0.6	0.003 - 0.016	0.002		1
Plums	277	1	0.4	0.012	0.010		1
Summer Squash	698	8	1.1	0.002 - 0.009	0.001 - 0.005		0.4
Sweet Bell Peppers	328	13	4	0.009 - 0.14	0.005		1.3
Tangerines	531	0			0.005		NT
Watermelon	175	1	0.6	0.014	0.005		0.4
Winter Squash	706	41	5.8	0.001 - 0.023	0.001		0.4
TOTAL	**9,532**	**374**					
Tebufenozide (insecticide)							
Blueberries, Cultivated, Fresh	692	3	0.4	0.025 - 0.040	0.002		3.0
Blueberries, Frozen	14	1	7.1	0.014	0.002		3.0
Broccoli	667	0			0.002 - 0.005		5.0
Cantaloupe	328	0			0.002		NT
Carrots	708	0			0.005		NT
Cauliflower	384	0			0.002		5.0
Celery	354	0			0.005		2.0
Eggplant	703	0			0.002 - 0.005		1.0
Grape Juice	700	0			0.001		3.0
Green Beans	700	0			0.005		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Pears	707	0			0.001		1.5 IT
Plums	277	0			0.002		NT
Summer Squash	698	0			0.005		NT
Sweet Bell Peppers	319	0			0.005		1.0
Tangerines	531	0			0.010		2.0
Winter Squash	706	0			0.005		NT
TOTAL	**9,160**	**4**					
Tebufenpyrad (insecticide, acaricide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,179**	**0**					
Tebupirimfos (insecticide)							
Broccoli	685	0			0.001		NT
Cauliflower	531	0			0.001		NT
Eggplant	357	0			0.001		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,344**	**0**					
Tebutam (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**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
Tebuthiuron (herbicide)							
Broccoli	668	0			0.001 - 0.003		NT
Carrots	708	0			0.010		NT
Cauliflower	508	0			0.001 - 0.003		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,358**	**0**					
Tecnazene (plant growth regulator)							
Broccoli	708	0			0.001		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	357	0			0.001		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,721**	**0**					
Teflubenzuron (insecticide)							
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		NT
Green Beans	700	0			0.005		NT
Pears	707	0			0.025		NT
Summer Squash	365	0			0.005		NT
Tangerines	531	0			0.050		NT
Watermelon	175	0			0.050		0.30 FU
Winter Squash	706	0			0.005		NT
TOTAL	**4,238**	**0**					
Tefluthrin (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.002		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.010		NT
Grape Juice	700	0			0.002		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Pears	707	0			0.002		NT
Plums	277	0			0.002		NT
Summer Squash	698	0			0.003 - 0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**9,532**	**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
Temephos (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Tepraloxydim (herbicide)							
Green Beans	700	0			0.010		NT
Summer Squash	365	0			0.010		NT
Tangerines	531	0			0.010		NT
Winter Squash	706	0			0.010		NT
TOTAL	**2,302**	**0**					
Terbacil (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		0.2
Blueberries, Frozen	14	0			0.010		0.2
Broccoli	708	0			0.003		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.003		NT
Celery	354	0			0.008		NT
Eggplant	703	0			0.003 - 0.020		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.008		0.2
Peaches, Frozen	154	0			0.008		0.2
Plums	277	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.008		NT
Watermelon	175	0			0.005		1.0
Winter Squash	706	0			0.001		NT
TOTAL	**7,261**	**0**					
Terbufos (insecticide)							
Carrots	708	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.001		NT
Summer Squash	698	0			0.001 - 0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,864**	**0**					
Terbufos oxygen analog (metabolite of Terbufos)							
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		NT
Summer Squash	333	0			0.001		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.001		NT
TOTAL	**2,093**	**0**					
Terbufos oxygen analog sulfone (metabolite of Terbufos)							
Carrots	708	0			0.005		NT
Eggplant	346	0			0.005		NT
Summer Squash	333	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
TOTAL	**2,093**	**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
Terbufos oxygen analog sulfoxide (metabolite of Terbufos)							
Summer Squash	333	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
TOTAL	**1,039**	**0**					
Terbufos sulfone (metabolite of Terbufos)							
Broccoli	708	0			0.001		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Tangerines	531	0			0.025		NT
Winter Squash	706	0			0.005		NT
TOTAL	**4,952**	**0**					
Terbufos sulfoxide (metabolite of Terbufos)							
Carrots	708	1	0.1	0.027	0.005	V-1	NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.003		NT
Summer Squash	698	0			0.002 - 0.003		NT
Tangerines	531	0			0.002		NT
Watermelon	175	0			0.002		NT
Winter Squash	706	0			0.003		NT
TOTAL	**3,864**	**1**					
Terbuthylazine (herbicide)							
Carrots	708	0			0.005		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,179**	**0**					
Terbutryn (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Tetrachlorvinphos (insecticide)							
Broccoli	708	0			0.005		NT
Cauliflower	531	0			0.002 - 0.005		NT
Eggplant	357	0			0.002		NT
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Tangerines	531	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**3,898**	**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
Tetraconazole (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		0.25
Blueberries, Frozen	14	0			0.010		0.25
Broccoli	601	0			0.001		NT
Cantaloupe	328	0			0.010		0.15
Carrots	708	0			0.010		NT
Cauliflower	474	0			0.001 - 0.003		NT
Eggplant	657	0			0.003 - 0.010		0.30
Grape Juice	700	0			0.002		0.20
Green Beans	700	0			0.001		NT
Plums	277	0			0.010		NT
Summer Squash	698	17	2.4	0.002 - 0.040	0.001		0.15
Tangerines	531	0			0.001		NT
Watermelon	175	2	1.1	0.001	0.001		0.15
Winter Squash	706	2	0.3	0.002 - 0.027	0.001		0.15
TOTAL	**7,261**	**21**					
Tetradifon (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	0			0.002		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.020		NT
Cauliflower	531	0			0.002		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.002 - 0.020		NT
Green Beans	700	0			0.005		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**7,086**	**0**					
Tetrahydrophthalimide - THPI (metabolite of Captafol and Captan)							
Blueberries, Cultivated, Fresh	692	165	23.8	0.010 - 4.0	0.010		20.0 TP
Blueberries, Frozen	14	8	57.1	0.012 - 0.81	0.010		20.0 TP
Broccoli	708	0			0.004		0.05 TP
Cantaloupe	328	0			0.010		0.05 TP
Cauliflower	531	0			0.004		0.05 TP
Eggplant	357	0			0.012		0.05 TP
Grape Juice	700	46	6.6	0.017 - 0.29	0.010		25.0 TP
Green Beans	700	12	1.7	0.007 - 0.084	0.005	X-1	0.05 TP
Pears	707	67	9.5	0.038 - 0.86	0.010		25.0 TP
Plums	277	1	0.4	0.012	0.010		10.0 TP
Summer Squash	365	0			0.005		0.05 TP
Winter Squash	706	3	0.4	0.006 - 0.010	0.005		0.05 TP
TOTAL	**6,085**	**302**					
Tetramethrin (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.005		NT
Blueberries, Frozen	14	0			0.005		NT
Cantaloupe	328	0			0.005		NT
Carrots	708	0			0.025		NT
Celery	354	0			0.005		NT
Eggplant	346	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
Green Beans	700	0			0.005		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Pears	707	0			0.005		NT
Plums	277	0			0.005		NT
Summer Squash	698	0			0.005 - 0.010		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.005		NT
TOTAL	**7,236**	**0**					
Thiabendazole (fungicide) (parent of 5-hydroxythiabendazole)							
Blueberries, Cultivated, Fresh	692	0			0.002		NT
Blueberries, Frozen	14	0			0.002		NT
Broccoli	708	0			0.003		0.02
Cantaloupe	328	48	14.6	0.002 - 0.11	0.002		15.0 FU
Carrots	708	3	0.4	0.005 - 0.39	0.005		10
Cauliflower	531	11	2.1	0.002 - 0.006	0.001		0.02
Celery	354	0			0.010		NT
Eggplant	703	1	0.1	0.005	0.003 - 0.005	V-1	NT
Green Beans	700	1	0.1	0.002	0.001		0.02
Peaches	518	4	0.8	0.013 - 0.031	0.010	V-4	NT
Peaches, Frozen	154	0			0.010		NT
Pears	707	322	45.5	0.002 - 2.8	0.001		10
Plums	277	4	1.4	0.002 - 0.003	0.002	V-4	NT
Summer Squash	698	0			0.001 - 0.005		0.02
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	401	75.5	0.010 - 2.5	0.010		10
Watermelon	175	1	0.6	0.014	0.005		0.02
Winter Squash	706	1	0.1	0.005	0.001		0.02
TOTAL	**8,823**	**797**					
Thiacloprid (insecticide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.061	0.001	V-1	NT
Blueberries, Frozen	14	0			0.001		NT
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.001		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.010		NT
Eggplant	703	4	0.6	0.004 - 0.008	0.001 - 0.005	V-4	NT
Green Beans	700	1	0.1	0.002	0.001	V-1	NT
Peaches	518	19	3.7	0.010 - 0.042	0.010		0.5 FU
Peaches, Frozen	154	0			0.010		0.5 FU
Pears	707	9	1.3	0.042 - 0.14	0.025		0.30 FU
Plums	277	0			0.001		0.05 FU
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	319	20	6.3	0.010 - 0.080	0.010		1.0 FU
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**8,823**	**54**					
Thiamethoxam (insecticide) (also a parent of Clothianidin)							
Blueberries, Cultivated, Fresh	692	8	1.2	0.003 - 0.022	0.003		0.30
Blueberries, Frozen	14	0			0.003		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
Broccoli	708	165	23.3	0.003 - 0.045	0.002 - 0.005		4.5
Cantaloupe	328	10	3	0.003 - 0.008	0.003		0.2
Carrots	708	0			0.005		0.05
Cauliflower	531	125	23.5	0.003 - 0.080	0.002 - 0.005		4.5
Celery	354	9	2.5	0.010 - 0.031	0.010		4.0
Eggplant	703	168	23.9	0.003 - 0.19	0.002 - 0.005		0.25
Grape Juice	700	0			0.075		0.20
Green Beans	700	1	0.1	0.071	0.001	X-1	0.02
Peaches	518	0			0.010		0.5
Peaches, Frozen	154	0			0.010		0.5
Pears	707	0			0.075		0.2
Plums	277	0			0.003		0.5
Summer Squash	698	154	22.1	0.001 - 0.15	0.001 - 0.010		0.2
Sweet Bell Peppers	319	71	22.3	0.010 - 0.095	0.010		0.25
Tangerines	531	0			0.020		0.40
Watermelon	175	6	3.4	0.013 - 0.052	0.010		0.2
Winter Squash	706	103	14.6	0.001 - 0.030	0.001		0.2
TOTAL	**9,523**	**820**					
Thiazopyr (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.008		NT
Blueberries, Frozen	14	0			0.008		NT
Cantaloupe	328	0			0.008		NT
Green Beans	700	0			0.003		NT
Plums	277	0			0.008		NT
Summer Squash	698	0			0.001 - 0.003		NT
Tangerines	531	0			0.001		NT
Watermelon	175	0			0.001		NT
Winter Squash	706	0			0.003		NT
TOTAL	**4,121**	**0**					
Thidiazuron (plant growth regulator)							
Green Beans	700	0			0.005		NT
Summer Squash	365	0			0.005		NT
Winter Squash	706	0			0.005		NT
TOTAL	**1,771**	**0**					
Thiencarbazone methyl (herbicide)							
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		NT
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**2,825**	**0**					
Thifensulfuron methyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Thiobencarb (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Broccoli	708	1	0.1	0.007	0.003	V-1	NT
Cantaloupe	328	0			0.010		NT
Cauliflower	531	3	0.6	0.002 - 0.025	0.001	V-3	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
Eggplant	357	0			0.001		NT
Green Beans	700	0			0.003		NT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**4,678**	**4**					
Thiodicarb (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.003		NT
Blueberries, Frozen	14	0			0.003		NT
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		NT
Green Beans	677	0			0.010		NT
Plums	277	0			0.003		NT
Summer Squash	305	0			0.010		NT
Winter Squash	480	0			0.010		NT
TOTAL	**3,499**	**0**					
Thionazin (insecticide, fumigant)							
Green Beans	700	0			0.003		NT
Summer Squash	365	0			0.003		NT
Winter Squash	706	0			0.003		NT
TOTAL	**1,771**	**0**					
Thiophanate methyl (fungicide)							
Carrots	552	0			0.10		NT
Eggplant	230	0			0.10		NT
Grape Juice	700	0			0.010		5.0
Pears	707	107	15.1	0.017 - 0.22	0.010		3.0
Summer Squash	333	1	0.3	0.25	0.020		1.0
Tangerines	531	0			0.020		NT
Watermelon	175	0			0.020		1.0
TOTAL	**3,228**	**108**					
Tolclofos methyl (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Tolfenpyrad (insecticide)							
Carrots	708	0			0.025		NT
Eggplant	346	2	0.6	0.029 - 0.045	0.025		1.5
Grape Juice	700	0			0.003		2.0
Green Beans	700	6	0.9	0.011 - 0.044	0.003	V-6	NT
Pears	707	179	25.3	0.005 - 0.29	0.003		1.0
Summer Squash	698	0			0.003 - 0.005		0.70
Tangerines	531	0			0.005		1.5 IT
Watermelon	175	0			0.005		0.70
Winter Squash	706	0			0.003		0.70
TOTAL	**5,271**	**187**					
Tolylfluanid (fungicide)							
Carrots	708	0			0.050 - 0.10		NT
Eggplant	346	0			0.050 - 0.10		NT
Grape Juice	700	0			0.006		11 FU
TOTAL	**1,754**	**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
Tri-Allate (herbicide)							
Celery	354	0			0.005		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	698	0			0.001 - 0.005		NT
Sweet Bell Peppers	328	0			0.005		NT
Tangerines	531	0			0.005		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,164**	**0**					
Triadimefon (fungicide) (also a parent of Triadimenol)							
Broccoli	708	0			0.001		NT
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.005		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.003		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**5,775**	**0**					
Triadimenol (fungicide) (also a metabolite of Triadimefon)							
Carrots	708	0			0.040		NT
Celery	354	0			0.005		NT
Eggplant	346	0			0.040		NT
Green Beans	700	0			0.040		NT
Peaches	518	0			0.005		NT
Peaches, Frozen	154	0			0.005		NT
Summer Squash	365	0			0.040		NT
Sweet Bell Peppers	328	0			0.005		NT
Winter Squash	706	0			0.040		NT
TOTAL	**4,179**	**0**					
Triasulfuron (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Triazophos (insecticide)							
Carrots	708	0			0.010		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,179**	**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
Tribenuron methyl (herbicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Trichlorfon (insecticide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	0			0.010		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.050 - 0.10		NT
Eggplant	346	0			0.050 - 0.10		NT
Green Beans	700	0			0.003		NT
Plums	277	0			0.010		NT
Summer Squash	698	0			0.003 - 0.040		NT
Tangerines	531	0			0.040		NT
Watermelon	175	0			0.040		NT
Winter Squash	706	0			0.003		NT
TOTAL	**5,175**	**0**					
Trichloronate (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Tricyclazole (fungicide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Trifloxystrobin (fungicide)							
Blueberries, Cultivated, Fresh	692	1	0.1	0.002	0.002		1.5
Blueberries, Frozen	14	0			0.002		1.5
Broccoli	708	4	0.6	0.010 - 0.016	0.003		2.0
Cantaloupe	328	0			0.002		0.50
Carrots	708	0			0.005		0.1
Cauliflower	531	0			0.001		2.0
Celery	354	8	2.3	0.006 - 0.033	0.005		9.0
Eggplant	703	2	0.3	0.002 - 0.011	0.001 - 0.005		0.5
Grape Juice	700	0			0.001		2.0
Green Beans	700	0			0.001		NT
Peaches	518	82	15.8	0.005 - 0.16	0.005		2
Peaches, Frozen	154	0			0.005		2
Pears	707	5	0.7	0.002 - 0.036	0.001		0.5
Plums	277	43	15.5	0.002 - 0.032	0.002		2
Summer Squash	698	4	0.6	0.001 - 0.017	0.001		0.50
Sweet Bell Peppers	319	7	2.2	0.005 - 0.061	0.005		0.5
Tangerines	531	0			0.001		0.6
Watermelon	175	0			0.001		0.50
Winter Squash	706	5	0.7	0.002 - 0.004	0.001		0.50
TOTAL	**9,523**	**161**					
Trifloxysulfuron (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.020		NT
Blueberries, Frozen	14	0			0.020		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
Cantaloupe	328	0			0.020		NT
Green Beans	700	0			0.001		NT
Plums	277	0			0.020		NT
Summer Squash	698	0			0.001 - 0.010		NT
Tangerines	531	0			0.010		0.03
Watermelon	175	0			0.010		NT
Winter Squash	706	0			0.001		NT
TOTAL	**4,121**	**0**					
Triflumezopyrim (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Triflumizole (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		2.0
Blueberries, Frozen	14	0			0.010		2.0
Broccoli	708	0			0.002		8.0
Cantaloupe	328	0			0.010		0.5
Carrots	708	0			0.005		NT
Cauliflower	531	0			0.002 - 0.005		8.0
Celery	354	0			0.003		NT
Eggplant	703	0			0.002 - 0.005		NT
Grape Juice	700	0			0.001		2.5
Green Beans	700	0			0.003		NT
Peaches	518	0			0.003		NT
Peaches, Frozen	154	0			0.003		NT
Pears	707	0			0.001		0.50
Plums	277	0			0.010		NT
Summer Squash	698	3	0.4	0.003 - 0.019	0.003 - 0.010		0.5
Sweet Bell Peppers	319	2	0.6	0.006 - 0.008	0.003	V-2	NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.010		0.5
Winter Squash	706	1	0.1	0.004	0.003		0.5
TOTAL	**9,523**	**6**					
Trifluralin (herbicide)							
Blueberries, Cultivated, Fresh	692	0			0.001		NT
Blueberries, Frozen	14	0			0.001		NT
Broccoli	708	3	0.4	0.002	0.001		0.05
Cantaloupe	328	0			0.001		0.05
Carrots	708	6	0.8	0.012 - 0.049	0.010		1.0
Cauliflower	531	0			0.001		0.05
Celery	354	1	0.3	0.009	0.005		0.05
Eggplant	703	0			0.001 - 0.010		0.05
Grape Juice	700	0			0.003		0.05
Green Beans	700	0			0.001		0.05
Peaches	518	0			0.005		0.05
Peaches, Frozen	154	0			0.005		0.05
Plums	277	0			0.001		0.05
Summer Squash	698	4	0.6	0.001 - 0.004	0.001 - 0.005		0.05
Sweet Bell Peppers	328	0			0.005		0.05
Tangerines	531	0			0.005		0.05
Watermelon	175	0			0.005		0.05
Winter Squash	706	5	0.7	0.001 - 0.003	0.001		0.05
TOTAL	**8,825**	**19**					

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
Triforine (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		1.0 FU
Blueberries, Frozen	14	0			0.010		1.0 FU
Cantaloupe	328	0			0.010		NT
Plums	277	0			0.010		NT
TOTAL	**1,311**	**0**					
Triticonazole (fungicide)							
Carrots	708	0			0.010		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.010		NT
Green Beans	700	0			0.003		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	698	0			0.003 - 0.005		NT
Sweet Bell Peppers	319	0			0.010		NT
Tangerines	531	0			0.010		NT
Watermelon	175	0			0.005		NT
Winter Squash	706	0			0.003		NT
TOTAL	**5,209**	**0**					
Uniconazole (fungicide)							
Carrots	708	0			0.020		NT
Eggplant	346	0			0.020		0.01
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**2,825**	**0**					
Valifenalate (fungicide)							
Grape Juice	700	0			0.003		5 FU
Green Beans	700	0			0.001		NT
Summer Squash	698	0			0.001 - 0.010		0.3
Watermelon	175	0			0.010		0.3
Winter Squash	706	0			0.001		0.3
TOTAL	**2,979**	**0**					
Vamidothion (insecticide)							
Green Beans	700	0			0.001		NT
Summer Squash	365	0			0.001		NT
Winter Squash	706	0			0.001		NT
TOTAL	**1,771**	**0**					
Vernolate (herbicide)							
Celery	354	0			0.010		NT
Green Beans	700	0			0.040		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	365	0			0.040		NT
Sweet Bell Peppers	319	0			0.010		NT
Winter Squash	706	0			0.040		NT
TOTAL	**3,116**	**0**					
Vinclozolin (fungicide)							
Blueberries, Cultivated, Fresh	692	0			0.010		NT
Blueberries, Frozen	14	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
Broccoli	708	0			0.001		NT
Cantaloupe	328	0			0.010		NT
Carrots	708	0			0.010		NT
Cauliflower	531	0			0.001		NT
Celery	354	0			0.005		NT
Eggplant	703	0			0.001 - 0.010		NT
Green Beans	700	0			0.001		2.0 IT
Peaches	518	0			0.005		25.0 IT
Peaches, Frozen	154	0			0.005		25.0 IT
Plums	277	0			0.010		NT
Summer Squash	365	0			0.001		NT
Sweet Bell Peppers	328	0			0.005		3.0 IT
Winter Squash	706	0			0.001		NT
TOTAL	**7,086**	**0**					
Zoxamide (fungicide)							
Carrots	708	0			0.020		NT
Celery	354	0			0.010		NT
Eggplant	346	0			0.020		1.0
Grape Juice	700	0			0.004		5.0
Green Beans	700	0			0.001		NT
Peaches	518	0			0.010		NT
Peaches, Frozen	154	0			0.010		NT
Summer Squash	698	4	0.6	0.004 - 0.011	0.001 - 0.002		1.0
Sweet Bell Peppers	319	0			0.010		1.0
Tangerines	531	0			0.002		NT
Watermelon	175	0			0.002		1.0
Winter Squash	706	5	0.7	0.001 - 0.011	0.001		1.0
TOTAL	**5,909**	**9**					

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 2021 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

^ = When a range is not listed, only one distinct detected concentration or LOD value was reported for the pesticide/commodity pair.

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

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 Propamocarb analytically determined as the salt (hydrochloride).

5 Enol metabolite calculated as the parent, Spiromesifen.

Tolerance Violation Codes:

(X) = Residue was found which exceeds EPA tolerance or FDA action level. Following "X" are the number of occurrences. Refer to pages 1 through 3 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 4 through 7 in Appendix J to see the number of occurrences broken down by sample origin (domestic, imported, or unknown) for a commodity/pesticide pair.

EPA Tolerance Codes:

EX1 = Exempt from the requirement of a tolerance in or on raw agricultural commodities that have no established tolerance when residues are present as a result of subsequent uptake by crops rotated into fields where crops with tolerances were treated with cyclaniliprole.

EX2 = Exempt from the requirement of a tolerance in or on all food and feed commodities when applied as an herbicide in accordance with good agricultural practices.

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

EX3 = Exempt from the requirement of a tolerance in or on all food commodities when used to control insect larvae.

EX4 = Exempt from the requirement of a tolerance when applied to growing crops in accordance with good agricultural practices.

FF = All food/feed commodities tolerance except those covered by a higher tolerance.

FU = Foreign use compound; There are no U.S. registrations.

IM = Import Tolerance.

IN = Inadvertent/negligible residue tolerance.

IT = Interim Tolerance/Temporary or time limited tolerance/Section 18.

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

PH = Post-harvest application.

R = Regional tolerance.

TP = Tolerance is from parent compound.

Appendix C

Distribution of Residues by Pesticide in Corn Grain

Appendix C shows residue detections for all compounds tested in corn grain, 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 2021 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 2021, the Pesticide Data Program (PDP) analyzed 418 corn grain samples. PDP detected 6 different residues for 5 distinct pesticides in the corn grain samples. All residue detections were lower than the established tolerances for those compounds with established tolerances.

Results for environmental contaminants across all commodities, including corn grain, 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 CORN GRAIN

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
1-Naphthol	IM	418				0.050	0.02 TP
3-Hydroxycarbofuran	IM	418				0.025	NT
Acephate	I	418				0.12	NT
Acetamiprid	I	418				0.020	NT
Acetochlor	H	418				0.10	0.05
Alachlor	H	418				0.050	0.2
Ametryn	H	418				0.50	0.05
Amicarbazone	H	418				0.10	0.05
Aminomethylphosphonic acid (AMPA)	HM	418				0.10	5.0
Atrazine	H	418				0.050	0.20
Azinphos methyl	I	418				0.020	NT
Azoxystrobin	F	418				0.010	0.05
Bendiocarb	I	418				0.025	NT
Benoxacor	S	418				0.25	0.01
Bifenthrin	I	418				0.010	0.05
Boscalid	F	418				0.005	0.20 IN
Carbaryl	I	418				0.025	0.02
Carbendazim (MBC)	F	418				0.15	NT
Carbofuran	I	418				0.010	NT
Carboxin	F	418				0.050	0.2
Carfentrazone ethyl	H	418				0.001	0.10
Chlorantraniliprole	I	418				0.10	0.04
Chlorethoxyfos	I	418				0.001	0.01
Chlorfenapyr	I	418				0.001	NT
Chlorpyrifos	I	418	3	0.7	0.001 - 0.003	0.001	0.05
Clothianidin	I	418				0.010	0.02 TP
Cyantraniliprole	I	418				0.25	0.01
Cyfluthrin	I	418				0.005	0.05
Cyhalothrin, Lambda	I	418				0.005	0.05
Cypermethrin	I	418	1	0.2	0.016	0.005	0.05
DCPA	H	418				0.001	0.05 IN
Deltamethrin [1]	I	418	5	1.2	0.016 - 0.083	0.005	1.0
Dichlorvos (DDVP)	I	418				0.050	0.5 TP
Dimethenamid	H	418				0.005	0.01
Dimethoate	I	418				0.005	0.1
Dinotefuran	I	418				0.12	0.01 FF
Diuron	H	418				0.020	0.1
Esfenvalerate+Fenvalerate Total	I	418				0.001	0.02
Ethoprop	I	418				0.020	0.02
Etofenprox	I	418				0.020	5.0 FF
Etoxazole	A	389				0.002	0.01
Etridiazole	F	418				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
Fenamidone	F	418				0.40	0.1 IN
Fenpyroximate	A	418				0.005	0.02
Fipronil	I	418				0.020	0.02
Flubendiamide	I	418				0.10	0.03
Fludioxonil	F	418				0.050	0.02
Flufenacet	H	418				0.005	0.05
Fluometuron	H	418				0.010	0.5 IN
Fluopyram	F	418				0.003	0.02
Flupyradifurone	I	418				0.005	0.05
Fluridone	H	418				0.040	0.1 IN
Fluroxypyr	HM	418				0.50	0.02
Flutriafol	F	418				0.020	0.01
Fluvalinate	I	418				0.010	NT
Fluxapyroxad	F	418				0.005	0.01
Glyphosate	H	418	146	34.9	0.050 - 0.14	0.035	5.0
Hexythiazox	I	418				0.020	0.02
Imidacloprid	I	418				0.015	0.05
Imiprothrin	I	418				0.15	NT
Isoxaflutole	H	418				0.050	0.02
Linuron	H	418				0.050	0.1
Malathion	I	418	7	1.7	0.025 - 2.7	0.025	8 PH
Malathion oxygen analog	IM	418	1	0.2	0.021	0.015	8 PH
Mesotrione	H	418				0.10	0.01
Metalaxyl/Mefenoxam [2]	F	418				0.004	0.1
Metconazole	F	418				0.10	0.02
Methamidophos	I	418				0.050	NT
Methomyl	I	418				0.005	0.1
Methoxyfenozide	I	418				0.005	0.05
Metolachlor	H	418				0.001	0.10
Metribuzin	H	418				0.001	0.05
MGK-264	I	418				0.050	NT
Myclobutanil	F	418				0.020	0.03 IN
Nitrapyrin	N	418				0.010	0.1
Novaluron	I	418				0.015	0.01 FF
Omethoate	IM	418				0.025	0.1 TP
Oxyfluorfen	H	418				0.020	0.05
Parathion methyl	I	418				0.002	NT
Pendimethalin	H	418				0.002	0.1
Penthiopyrad	F	418				0.004	0.01
Permethrin Total	I	418				0.010	0.05
Phenothrin	I	418				0.35	0.01 FF
Phorate	I	418				0.050	0.05
Phorate sulfone	IM	418				0.25	0.05
Phorate sulfoxide	IM	418				0.050	0.05

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
Phosmet	I	418				0.005	NT
Phosmet oxygen analog	IM	418				0.005	NT
Picoxystrobin	F	418				0.003	0.04
Prallethrin	I	418				0.001	1.0 FF
Propachlor	H	418				0.15	0.2
Propetamphos	I	418				0.10	NT
Propiconazole	F	418				0.025	0.2
Pyraclostrobin	F	418				0.012	0.1
Pyrethrins	I	418				0.020	3.0 PH
Pyriproxyfen	I	418				0.030	1.1
Saflufenacil	H	418				0.010	0.03
Sethoxydim	H	418				0.020	0.5
Simazine	H	418				0.050	0.20
Spinetoram J	IM	418				0.010	0.04
Spinosad	I	418				0.10	1.5
Spiromesifen	I	418				0.030	0.02
Sulfoxaflor	I	418				0.015	0.015
Tebuconazole	F	418				0.050	0.05
Tefluthrin	I	418				0.001	0.06
Tetraconazole	F	418				0.010	0.01
Tetrahydrophthalimide (THPI)	FM	418				0.050	0.05 TP
Tetramethrin	I	418				0.005	NT
Thiabendazole	F	418				0.005	0.01
Thiamethoxam	I	418				0.010	0.02
Thiodicarb	I	418				0.010	NT
Triadimenol	F	418				0.10	0.05
Trifloxystrobin	F	418				0.005	0.05
Trifluralin	H	418				0.001	0.05
Triticonazole	F	418				0.10	0.01

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 2021 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

^ = When a range is not listed, only one distinct detected concentration or LOD value was reported for the pesticide/commodity pair.

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	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

Pesticide Types:

A = Acaricide

F = Fungicide, FM = Fungicide Metabolite

H = Herbicide, HM = Herbicide Metabolite

I = Insecticide, IM = Insecticide Metabolite

N = Nitrification Inhibitor

S = Herbicide Safener

EPA Tolerance Codes:

FF = All food/feed commodities tolerance except those covered by a higher tolerance.

IN = Inadvertent/negligible residue tolerance.

NT = No tolerance established.

PH = Post-harvest application.

TP = Tolerance is from parent compound.

Appendix D

Distribution of Residues by Pesticide in Butter

Appendix D shows residue detections for all compounds tested in butter, 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 2021 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 2021, the Pesticide Data Program (PDP) analyzed 177 butter samples. PDP detected 15 different residues for 14 distinct pesticides in the butter samples. All residue detections were lower than the established tolerances for those compounds with established tolerances.

PDP 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 “Pesticide” column to the right of the pesticide name 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 butter, 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 BUTTER

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
3-Hydroxycarbofuran	IM	177				0.001	NT
Acephate	I	177				0.002	0.1
Acetamiprid	I	177				0.001	0.30
Acetochlor	H	177				0.001 - 0.004	0.02
Acibenzolar S methyl	F	177				0.015	NT
Afidopyropen	I	177				0.001	0.04
Alachlor	H	177				0.002	0.02
Aldicarb	I	177				0.001	NT
Aldicarb sulfone	IM	177				0.004	NT
Aldicarb sulfoxide	IM	177				0.002	NT
Ametoctradin (V-1)	F	177	1	0.6	0.002	0.001	NT
Atrazine	H	177				0.001	0.02
Azinphos methyl	I	177				0.007	NT
Azoxystrobin	F	177				0.001	0.006
Bendiocarb	I	177				0.001	NT
Benoxacor	S	177				0.001	0.01
Benzovindiflupyr	F	177				0.002 - 0.007	0.02
Bifenthrin	I	177	65	36.7	0.002	0.001	1.0
Boscalid	F	177				0.001	0.10
Buprofezin	I	177	2	1.1	0.002	0.001	0.01
Carbaryl	I	177				0.001	1.0
Carbendazim (MBC)	F	177				0.001	NT
Carbofuran	I	177				0.001	NT
Carfentrazone ethyl	H	177				0.005 - 0.018	0.05
Chlorantraniliprole	I	177				0.006	0.1
Chlorfenapyr	I	177				0.003	0.01 FF
Chlorfenvinphos total	I	177				0.002 - 0.006	NT
Chlorpropham	H	177				0.001	0.30
Chlorpyrifos	I	177				0.001	0.25
Chlorpyrifos oxygen analog	IM	177				0.001 - 0.004	0.25
Clethodim	H	177				0.009	0.05
Clomazone	H	177				0.003	NT
Clothianidin	I	177				0.002	0.02 TP
Coumaphos	I	177				0.002 - 0.006	0.5
Coumaphos oxygen analog	IM	177				0.004	0.5
Cyantraniliprole	I	177				0.003	0.20
Cyazofamid	F	177				0.007	NT
Cyfluthrin	I	177				0.030	5.0
Cyhalothrin, Total [1]	I	177	41	23.2	0.006	0.004	10.0
Cypermethrin	I	177				0.040	2.5
Cyprodinil	F	177				0.001	NT
Cyromazine	R	177				0.003 - 0.010	0.05
DCPA	H	177				0.001	NT
Deltamethrin [2]	I	177				0.048	0.1

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	177				0.001	NT
Diazinon oxygen analog	IM	177				0.001	NT
Dichlobenil	H	177				0.001	NT
Dichlorvos (DDVP)	I	177				0.004	0.5 FF
Dicloran	F	177				0.003	NT
Dicofol p,p'	I	177				0.001	22.0 IT
Dicrotophos	I	177				0.001	NT
Difenoconazole	F	177	2	1.1	0.002	0.001 - 0.004	0.02
Diflubenzuron	I	99				0.004	0.05
Dimethenamid	H	177				0.001	NT
Dimethoate	I	177				0.001 - 0.004	0.002
Dimethomorph	F	177				0.001	NT
Dinotefuran	I	177				0.007	0.05
Diphenamid	H	177				0.009	NT
Diphenylamine (DPA)	F	177	1	0.6	0.006	0.004	0.01
Disulfoton oxygen analog	IM	177				0.001	NT
Disulfoton sulfone	IM	177				0.001	NT
Disulfoton sulfoxide	IM	177				0.001	NT
Diuron	H	177				0.005	NT
Emamectin benzoate	I	177				0.001 - 0.004	0.003
Endosulfan I	IM	177				0.005	2.0 IT
Endosulfan II	IM	177				0.005	2.0 IT
Endosulfan sulfate	IM	177				0.021	2.0 IT
EPTC	H	177				0.004	NT
Esfenvalerate+Fenvalerate Total	I	177				0.009	7.0
Ethalfluralin	H	177				0.003	NT
Ethiofencarb	I	177				0.003 - 0.009	NT
Ethion	I	177				0.004	NT
Ethoprop	I	177				0.001	NT
Etofenprox	I	177				0.004	0.60
Etoxazole	A	158				0.004	0.01
Famoxadone	F	177				0.009	0.06
Fenamidone	F	177				0.003	0.02
Fenamiphos	I	177				0.001 - 0.004	NT
Fenamiphos sulfone	IM	177				0.002	NT
Fenamiphos sulfoxide	IM	177				0.002	NT
Fenarimol	F	177				0.003	NT
Fenbuconazole	F	177				0.001 - 0.004	NT
Fenitrothion	I	177				0.003	NT
Fenpropathrin	I	177				0.003	2.0
Fenpyroximate	A	118	1	0.8	0.005	0.004	0.015
Fipronil	I	177				0.001	1.50
Flonicamid	I	177				0.001	0.05
Flubendiamide	I	177	3	1.7	0.002	0.001	1.0
Fludioxonil	F	177				0.007	0.01
Flumioxazin	H	177				0.004 - 0.012	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
Fluopicolide	F	177				0.004	NT
Fluopyram	F	177				0.001	0.15
Fluoxastrobin	F	177				0.004	0.75
Flupyradifurone	I	177				0.001	0.15
Fluridone	H	177				0.001	0.05
Flutriafol	F	177				0.001	0.02
Fluxapyroxad	F	177				0.001	0.15
Fonofos	I	177				0.004	NT
Hexythiazox	I	118				0.007	0.05
Hydroprene	R	177				0.004 - 0.012	0.2 FF
Imidacloprid	I	177				0.001	0.10
Iprodione	F	177				0.011	0.5
Kresoxim-methyl	F	177				0.002	NT
Linuron	H	177				0.002	0.05
Malathion	I	177				0.001	0.5
Malathion oxygen analog	IM	177				0.002	0.5
Mandipropamid	F	177				0.004	NT
Mefentrifluconazole	F	177				0.001	4
Metalaxyl/Mefenoxam [3]	F	177				0.001	0.02
Methamidophos	I	177				0.001	0.1 TP
Methidathion	I	177				0.001	NT
Methiocarb	I	177				0.001	NT
Methomyl	I	177				0.003	NT
Methoprene	R	177				0.009 - 0.030	EX
Methoxychlor olefin	IM	177				0.001	NT
Methoxyfenozide	I	177	3	1.7	0.002	0.001	0.10
Metolachlor	H	177				0.001	0.02
Metrafenone	F	177				0.004	NT
Metribuzin	H	177				0.002	0.05
Mevinphos Total	I	177				0.002	NT
MGK-264	I	177				0.002	5 FF
Myclobutanil	F	157				0.001 - 0.004	0.2
Napropamide	H	177				0.002	NT
Norflurazon	H	177				0.001	0.1
Norflurazon desmethyl	HM	157				0.001 - 0.004	0.1
Novaluron	I	177	75	42.4	0.002 - 0.023	0.001	20
Omethoate	IM	177				0.003	0.002 TP
Oxadixyl	F	177				0.004	NT
Oxamyl	I	177				0.002	NT
Oxyfluorfen	H	177				0.004	0.01
Parathion ethyl	I	177				0.004	NT
Parathion methyl	I	177				0.003	NT
Parathion oxygen analog	IM	177				0.001	NT
Pendimethalin	H	177				0.004	0.04
Pentachloroaniline (PCA)	FM	177				0.001	NT
Pentachlorophenyl methyl sulfide (PCPMS)	FM	177				0.001	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
Penthiopyrad	F	177				0.001 - 0.004	0.02
Permethrin cis	IM	177	71	40.1	0.002 - 0.007	0.001	3.0
Permethrin trans	IM	177	69	39	0.002 - 0.008	0.001	3.0
Phenothrin	I	177				0.003	0.01 FF
Phenthoate	I	177				0.001	NT
Phorate	I	58				0.004	NT
Phorate oxygen analog	IM	177				0.001	NT
Phorate oxygen analog sulfone	IM	177				0.001	NT
Phorate oxygen analog sulfoxide	IM	177				0.001	NT
Phorate sulfone	IM	177				0.002	NT
Phorate sulfoxide	IM	177				0.001	NT
Phosalone	I	177				0.006	NT
Phosmet	I	177				0.006	0.1
Phosphamidon	I	177				0.001	NT
Picoxystrobin	F	177				0.001 - 0.004	0.01
Piperonyl butoxide	I	177	42	23.7	0.003 - 0.009	0.002 - 0.006	0.25
Pirimicarb	I	177				0.001	NT
Pirimiphos methyl	I	177				0.001	NT
Profenofos	I	177				0.004	0.01
Prometon	H	177				0.001	NT
Prometryn	H	177				0.001 - 0.004	NT
Pronamide (Propyzamide)	H	177				0.001	0.02
Propachlor	H	177				0.001	0.02
Propargite	I	116				0.007 - 0.024	2.0
Propetamphos	I	157				0.004	NT
Propiconazole	F	177				0.005	0.05
Pydiflumetofen	F	177				0.004	0.03
Pymetrozine	I	177				0.002	NT
Pyraclostrobin	F	177	2	1.1	0.002	0.001 - 0.004	0.1
Pyrimethanil	F	177				0.001	0.05
Pyriproxyfen	I	177				0.004	0.10 SU
Quinoxyfen	F	177				0.001	NT
Quintozene (PCNB)	F	177				0.004	NT
Resmethrin trans	IM	177				0.003	3.0 FF
Simazine	H	177				0.004	0.03
metabolite)	I	177				0.003	0.25
Spirotetramat	I	177				0.002 - 0.006	0.01
Sulfoxaflor	I	177				0.001	0.3
Sulprofos	I	177				0.002	NT
Tebuconazole	F	177				0.001 - 0.004	0.1
Tebupirimfos	I	177				0.001	NT
Tebuthiuron	H	177				0.001	0.8
Tecnazene	P	177				0.001	NT
Tefluthrin	I	177				0.001	NT
Terbacil	H	177				0.004	NT
Terbufos sulfone	IM	177				0.001 - 0.004	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
Tetrachlorvinphos	I	177				0.002 - 0.006	0.05
Tetraconazole	F	119				0.001	0.75
Tetradifon	I	177				0.003	NT
Tetrahydrophthalimide (THPI)	FM	177				0.015	0.10
Tetraniliprole	I	177				0.001 - 0.004	0.05
Thiabendazole	F	177	1	0.6	0.004	0.001 - 0.004	0.1
Thiacloprid	I	177				0.001	0.030 FU
Thiamethoxam	I	177				0.006	0.02
Thiobencarb	H	177				0.004	0.05
Triadimefon	F	177				0.001	NT
Trifloxystrobin	F	177				0.004	0.02
Triflumizole	F	177				0.002	NT
Trifluralin	H	177				0.001	NT
Vinclozolin	F	177				0.001	0.05 IT

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 2021 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.

(V) = Residue was found where no tolerance was established by EPA. Following "V" are the number of occurrences. Refer to pages 4 through 7 in Appendix J to see the number of occurrences broken down by sample origin (domestic, imported, or unknown) for a commodity/pesticide pair.

1 = Includes cyhalothrin lambda plus R157836 epimer.

2 = Deltamethrin 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
P = Plant Growth Regulator
R = Insect Growth Regulator
S = Herbicide Safener

EPA Tolerance Codes:
EX = Exempt from the requirement of a tolerance.
FF = All food/feed commodities tolerance except those covered by a higher tolerance.
FU = Foreign use compound; There are no U.S. registrations.
IT = Interim Tolerance/Temporary or time limited tolerance/Section 18.
NT = No tolerance established.
SU = Safe when used as a crack and crevice treatment in food establishments; no tolerance published.
TP = Tolerance is from parent compound.

Appendix E

Distribution of Residues for Environmental Contaminants

Appendix E shows residue detections across all commodities for 21 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 U.S. Food and Drug Administration (FDA) 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 2021 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 FDA. ALs are used for environmental contaminants when tolerances are not available.

The Pesticide Data Program (PDP) 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 "Pesticide/Commodity" column to the right of the commodity and are annotated as "X" (if the residue exceeded the established tolerance) or "V" (if the residue did not have a tolerance listed in the Code of Federal Regulations, Title 40, Part 180). In both cases, these annotations are followed by a number indicating the number of samples reported to FDA.

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)						
Blueberries, Cultivated, Fresh	692	0			0.003	0.05 AL
Blueberries, Frozen	14	0			0.003	0.05 AL
Broccoli	708	0			0.001	0.03 AL
Butter	177	0			0.001 - 0.004	0.3 AL
Cantaloupe	328	0			0.003	0.1 AL
Carrots	708	0			0.020	0.1 AL
Cauliflower	531	0			0.001	0.03 AL
Celery	354	0			0.005	0.03 AL
Corn Grain	418	0			0.010	0.02 AL
Eggplant	703	0			0.001 - 0.020	0.05 AL
Grape Juice	700	0			0.003	0.05 AL
Green Beans	700	0			0.001	0.05 AL
Peaches	518	0			0.005	0.02 AL
Peaches, Frozen	154	0			0.005	0.02 AL
Pears	707	0			0.003	0.03 AL
Plums	277	0			0.003	0.3 AL
Summer Squash	698	0			0.001 - 0.005	0.1 AL
Sweet Bell Peppers	328	0			0.005	0.05 AL
Tangerines	531	0			0.005	0.02 AL
Watermelon	175	0			0.005	0.1 AL
Winter Squash	706	0			0.001	0.1 AL
TOTAL	**10,127**	**0**				
BHC alpha (insecticide) (isomer of BHC)						
Blueberries, Cultivated, Fresh	692	0			0.012	0.05 AL
Blueberries, Frozen	14	0			0.012	0.05 AL
Broccoli	708	0			0.001	0.05 AL
Butter	177	0			0.001	0.3 AL
Cantaloupe	328	0			0.012	0.05 AL
Carrots	708	0			0.005	0.3 AL
Cauliflower	531	0			0.001	0.05 AL
Celery	354	0			0.005	0.05 AL
Eggplant	703	0			0.001 - 0.005	0.05 AL
Grape Juice	700	0			0.002	0.05 AL
Green Beans	700	0			0.001	0.05 AL
Peaches	518	0			0.005	0.05 AL
Peaches, Frozen	154	0			0.005	0.05 AL
Pears	707	0			0.002	0.05 AL
Plums	277	0			0.012	0.05 AL
Summer Squash	698	0			0.001 - 0.010	0.05 AL
Sweet Bell Peppers	328	0			0.005	0.05 AL
Tangerines	531	0			0.010	0.05 AL
Watermelon	175	0			0.010	0.05 AL
Winter Squash	706	0			0.001	0.05 AL
TOTAL	**9,709**	**0**				
BHC beta (isomer of BHC)						
Blueberries, Cultivated, Fresh	692	0			0.014	0.05 AL
Blueberries, Frozen	14	0			0.014	0.05 AL
Cantaloupe	328	0			0.014	0.05 AL
Celery	354	0			0.005	0.05 AL
Grape Juice	700	0			0.003	0.05 AL
Green Beans	700	0			0.001	0.05 AL
Peaches	518	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
Peaches, Frozen	154	0			0.005	0.05 AL
Pears	707	0			0.003	0.05 AL
Plums	277	0			0.014	0.05 AL
Summer Squash	698	0			0.001 - 0.005	0.05 AL
Sweet Bell Peppers	328	0			0.005	0.05 AL
Tangerines	531	0			0.005	0.05 AL
Watermelon	175	0			0.005	0.05 AL
Winter Squash	706	0			0.001	0.05 AL
TOTAL	**6,882**	**0**				
BHC delta (isomer of BHC)						
Carrots	708	0			0.005	0.3 AL
Eggplant	346	0			0.005	0.05 AL
Green Beans	700	0			0.001	0.05 AL
Summer Squash	365	0			0.001	0.05 AL
Winter Squash	706	0			0.001	0.05 AL
TOTAL	**2,825**	**0**				
BHC epsilon (isomer of BHC)						
Carrots	708	0			0.005	0.3 AL
Eggplant	346	0			0.005	0.05 AL
TOTAL	**1,054**	**0**				
Chlordane cis (insecticide) (isomer of Chlordane)						
Blueberries, Cultivated, Fresh	692	0			0.010	0.1 AL
Blueberries, Frozen	14	0			0.010	0.1 AL
Broccoli	708	0			0.001	0.1 AL
Butter	177	0			0.001	NT
Cantaloupe	328	0			0.010	0.1 AL
Carrots	708	0			0.010	0.1 AL
Cauliflower	531	0			0.001	0.1 AL
Celery	354	0			0.005	0.1 AL
Eggplant	703	1	0.1	0.005	0.001 - 0.010	0.1 AL
Grape Juice	700	0			0.002	0.1 AL
Green Beans	700	0			0.001	0.1 AL
Peaches	518	0			0.005	0.1 AL
Peaches, Frozen	154	0			0.005	0.1 AL
Pears	707	0			0.002	0.1 AL
Plums	277	0			0.010	0.1 AL
Summer Squash	365	5	1.4	0.001 - 0.004	0.001	0.1 AL
Sweet Bell Peppers	328	0			0.005	0.1 AL
Tangerines	531	0			0.010	0.1 AL
Winter Squash	706	9	1.3	0.001 - 0.020	0.001	0.1 AL
TOTAL	**9,201**	**15**				
Chlordane trans (isomer of Chlordane)						
Blueberries, Cultivated, Fresh	692	0			0.010	0.1 AL
Blueberries, Frozen	14	0			0.010	0.1 AL
Broccoli	708	2	0.3	0.002 - 0.017	0.001	0.1 AL
Butter	177	0			0.001	NT
Cantaloupe	328	0			0.010	0.1 AL
Carrots	708	0			0.010	0.1 AL
Cauliflower	531	0			0.001	0.1 AL
Celery	354	0			0.005	0.1 AL
Eggplant	703	0			0.001 - 0.010	0.1 AL
Grape Juice	700	0			0.002	0.1 AL
Green Beans	700	0			0.001	0.1 AL
Peaches	518	0			0.005	0.1 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
Peaches, Frozen	154	0			0.005	0.1 AL
Pears	707	0			0.002	0.1 AL
Plums	277	0			0.010	0.1 AL
Summer Squash	365	0			0.001	0.1 AL
Sweet Bell Peppers	328	0			0.005	0.1 AL
Tangerines	531	0			0.005	0.1 AL
Winter Squash	706	8	1.1	0.001 - 0.010	0.001	0.1 AL
TOTAL	**9,201**	**10**				
DDD o,p' (metabolite of DDT)						
Blueberries, Cultivated, Fresh	692	0			0.001	0.1 AL
Blueberries, Frozen	14	0			0.001	0.1 AL
Broccoli	708	0			0.001	0.5 AL
Butter	177	0			0.001	1.25 AL
Cantaloupe	328	0			0.001	0.1 AL
Cauliflower	531	0			0.001	0.5 AL
Corn Grain	418	0			0.020	0.5 AL
Eggplant	357	0			0.001	0.1 AL
Green Beans	700	0			0.001	0.2 AL
Plums	277	0			0.001	0.2 AL
Summer Squash	365	1	0.3	0.001	0.001	0.1 AL
Winter Squash	706	3	0.4	0.001 - 0.002	0.001	0.1 AL
TOTAL	**5,273**	**4**				
DDD p,p' (metabolite of DDT)						
Blueberries, Cultivated, Fresh	692	0			0.005	0.1 AL
Blueberries, Frozen	14	0			0.005	0.1 AL
Broccoli	708	0			0.001	0.5 AL
Butter	177	0			0.001	1.25 AL
Cantaloupe	328	0			0.005	0.1 AL
Carrots	708	0			0.005	3.0 AL
Cauliflower	531	0			0.001	0.5 AL
Celery	354	0			0.005	0.5 AL
Corn Grain	418	0			0.001	0.5 AL
Eggplant	703	0			0.001 - 0.005	0.1 AL
Peaches	518	0			0.005	0.2 AL
Peaches, Frozen	154	0			0.005	0.2 AL
Plums	277	0			0.005	0.2 AL
Summer Squash	333	1	0.3	0.005	0.005	0.1 AL
Sweet Bell Peppers	328	0			0.005	0.1 AL
Tangerines	531	0			0.005	0.1 AL
Watermelon	175	0			0.005	0.1 AL
TOTAL	**6,949**	**1**				
DDE o,p' (metabolite of DDT)						
Blueberries, Cultivated, Fresh	692	0			0.001	0.1 AL
Blueberries, Frozen	14	0			0.001	0.1 AL
Cantaloupe	328	0			0.001	0.1 AL
Corn Grain	418	0			0.001	0.5 AL
Grape Juice	700	0			0.003	0.05 AL
Green Beans	700	0			0.001	0.2 AL
Pears	707	0			0.003	0.1 AL
Plums	277	0			0.001	0.2 AL
Summer Squash	365	0			0.001	0.1 AL
Winter Squash	706	0			0.001	0.1 AL
TOTAL	**4,907**	**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)						
Blueberries, Cultivated, Fresh	692	0			0.010	0.1 AL
Blueberries, Frozen	14	0			0.010	0.1 AL
Broccoli	708	35	4.9	0.002 - 0.005	0.001	0.5 AL
Butter	177	80	45.2	0.002 - 0.014	0.001	1.25 AL
Cantaloupe	328	0			0.010	0.1 AL
Carrots	708	17	2.4	0.010 - 0.030	0.010	3.0 AL
Cauliflower	531	0			0.001	0.5 AL
Celery	354	2	0.6	0.006 - 0.008	0.005	0.5 AL
Corn Grain	418	0			0.001	0.5 AL
Eggplant	703	0			0.001 - 0.010	0.1 AL
Grape Juice	700	0			0.002	0.05 AL
Green Beans	700	15	2.1	0.001 - 0.005	0.001	0.2 AL
Peaches	518	0			0.005	0.2 AL
Peaches, Frozen	154	0			0.005	0.2 AL
Pears	707	0			0.002	0.1 AL
Plums	277	0			0.010	0.2 AL
Summer Squash	365	19	5.2	0.001 - 0.008	0.001	0.1 AL
Sweet Bell Peppers	328	0			0.005	0.1 AL
Tangerines	531	1	0.2	0.005	0.005	0.1 AL
Winter Squash	706	21	3	0.001 - 0.007	0.001	0.1 AL
TOTAL	**9,619**	**190**				
DDT o,p' (insecticide)						
Broccoli	708	0			0.001	0.5 AL
Butter	177	0			0.001	1.25 AL
Cauliflower	531	0			0.001	0.5 AL
Eggplant	357	0			0.001	0.1 AL
Grape Juice	700	0			0.004	0.05 AL
Green Beans	700	0			0.001	0.2 AL
Pears	707	0			0.004	0.1 AL
Summer Squash	365	14	3.8	0.001 - 0.005	0.001	0.1 AL
Winter Squash	671	7	1	0.001 - 0.007	0.001	0.1 AL
TOTAL	**4,916**	**21**				
DDT p,p' (insecticide)						
Blueberries, Cultivated, Fresh	638	0			0.001	0.1 AL
Blueberries, Frozen	12	0			0.001	0.1 AL
Broccoli	708	0			0.001 - 0.003	0.5 AL
Butter	177	0			0.001 - 0.007	1.25 AL
Cantaloupe	328	0			0.001	0.1 AL
Carrots	708	1	0.1	0.011	0.010	3.0 AL
Cauliflower	531	0			0.001	0.5 AL
Celery	354	0			0.005	0.5 AL
Corn Grain	418	0			0.005	0.5 AL
Eggplant	703	0			0.003 - 0.010	0.1 AL
Grape Juice	700	0			0.004	0.05 AL
Green Beans	700	0			0.001	0.2 AL
Peaches	518	0			0.005	0.2 AL
Peaches, Frozen	154	0			0.005	0.2 AL
Pears	707	0			0.004	0.1 AL
Plums	250	0			0.001	0.2 AL
Summer Squash	365	7	1.9	0.001 - 0.009	0.001	0.1 AL
Sweet Bell Peppers	328	0			0.005	0.1 AL
Winter Squash	705	7	1	0.002 - 0.015	0.001	0.1 AL
TOTAL	**9,004**	**15**				

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
Dieldrin (insecticide) (also a metabolite of Aldrin)						
Blueberries, Cultivated, Fresh	692	0			0.010	0.05 AL
Blueberries, Frozen	14	0			0.010	0.05 AL
Broccoli	708	3	0.4	0.004	0.002	0.03 AL
Butter	177	0			0.003	0.3 AL
Cantaloupe	328	1	0.3	0.011	0.010	0.1 AL
Carrots	708	0			0.020	0.1 AL
Cauliflower	531	0			0.002	0.03 AL
Celery	354	0			0.005	0.03 AL
Corn Grain	418	0			0.010	0.02 AL
Eggplant	703	0			0.002 - 0.020	0.05 AL
Grape Juice	700	0			0.006	0.05 AL
Green Beans	700	0			0.003	0.05 AL
Peaches	518	0			0.005	0.02 AL
Peaches, Frozen	154	0			0.005	0.02 AL
Pears	707	0			0.006	0.03 AL
Plums	277	0			0.010	0.3 AL
Summer Squash	365	29	7.9	0.003 - 0.060	0.003	0.1 AL
Sweet Bell Peppers	328	0			0.005	0.05 AL
Tangerines	531	0			0.025	0.02 AL
Winter Squash	706	71	10.1	0.003 - 0.19	0.003	0.1 AL
TOTAL	**9,619**	**104**				
Endrin (insecticide)						
Blueberries, Cultivated, Fresh	692	0			0.010	NT
Blueberries, Frozen	14	0			0.010	NT
Broccoli	708	0			0.005	NT
Butter	177	0			0.006	NT
Cantaloupe	328	0			0.010	NT
Carrots	708	0			0.020	NT
Cauliflower	531	0			0.005	NT
Celery	354	0			0.005	NT
Eggplant	703	0			0.005 - 0.020	NT
Green Beans	700	0			0.003	NT
Peaches	518	0			0.005	NT
Peaches, Frozen	154	0			0.005	NT
Plums	277	0			0.010	NT
Summer Squash (V-7)	698	7	1	0.003 - 0.018	0.003 - 0.005	NT
Sweet Bell Peppers	328	0			0.005	NT
Tangerines	531	0			0.005	NT
Watermelon	175	0			0.005	NT
Winter Squash (V-9)	706	9	1.3	0.003 - 0.014	0.003	NT
TOTAL	**8,302**	**16**				
Heptachlor (insecticide)						
Blueberries, Cultivated, Fresh	692	0			0.002	0.05 AL
Blueberries, Frozen	14	0			0.002	0.05 AL
Broccoli	708	0			0.001	0.05 AL
Butter	177	0			0.001	NT
Cantaloupe	328	0			0.002	0.05 AL
Carrots	708	0			0.025	NT
Cauliflower	531	0			0.001	0.05 AL
Celery	354	0			0.005	0.05 AL
Eggplant	703	0			0.001 - 0.025	0.03 AL
Grape Juice	700	0			0.002	0.05 AL
Green Beans	700	0			0.001	0.05 AL
Peaches	518	0			0.005	0.05 AL
Peaches, Frozen	154	0			0.005	0.05 AL
Pears	707	0			0.002	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
Plums	277	0			0.002	0.05 AL
Summer Squash	698	0			0.001	0.05 AL
Sweet Bell Peppers	328	0			0.005	NT
Tangerines	531	0			0.001	0.05 AL
Watermelon	175	0			0.001	0.05 AL
Winter Squash	706	0			0.001	0.05 AL
TOTAL	**9,709**	**0**				
Heptachlor epoxide (metabolite of Heptachlor)						
Blueberries, Cultivated, Fresh	692	0			0.005	0.05 AL
Blueberries, Frozen	14	0			0.005	0.05 AL
Broccoli	708	0			0.002	0.05 AL
Butter	177	0			0.003	NT
Cantaloupe	328	0			0.005	0.05 AL
Carrots	708	0			0.040	NT
Cauliflower	531	0			0.002	0.05 AL
Celery	354	0			0.005	0.05 AL
Eggplant	703	0			0.002 - 0.040	0.03 AL
Grape Juice	700	0			0.003	0.05 AL
Green Beans	700	0			0.001	0.05 AL
Peaches	518	0			0.005	0.05 AL
Peaches, Frozen	154	0			0.005	0.05 AL
Pears	707	0			0.003	0.05 AL
Plums	277	0			0.005	0.05 AL
Summer Squash	698	15	2.1	0.001 - 0.006	0.001	0.05 AL
Sweet Bell Peppers	328	0			0.005	NT
Tangerines	531	0			0.001	0.05 AL
Watermelon	175	0			0.001	0.05 AL
Winter Squash	706	8	1.1	0.002 - 0.050	0.001	0.05 AL
TOTAL	**9,709**	**23**				
Hexachlorobenzene - HCB (fungicide) (metabolite and impurity of Quintozene)						
Carrots	708	0			0.005	NT
Celery	354	0			0.005	NT
Eggplant	346	0			0.005	0.1
Green Beans	700	0			0.001	0.1
Peaches	518	0			0.005	NT
Peaches, Frozen	154	0			0.005	NT
Summer Squash	698	0			0.001 - 0.005	NT
Sweet Bell Peppers	328	0			0.005	0.1
Tangerines	531	0			0.005	NT
Watermelon	175	0			0.005	NT
Winter Squash	706	0			0.001	NT
TOTAL	**5,218**	**0**				
Lindane - BHC gamma (insecticide) (also an isomer of BHC)						
Blueberries, Cultivated, Fresh	692	0			0.013	0.5 AL
Blueberries, Frozen	14	0			0.013	0.5 AL
Broccoli	708	0			0.001	NT
Butter	177	0			0.001	0.3 AL
Cantaloupe	328	0			0.013	NT
Carrots	708	0			0.005	0.5 AL
Cauliflower	531	0			0.001	NT
Celery	354	0			0.005	NT
Corn Grain	418	0			0.001	0.1 AL
Eggplant	703	0			0.001 - 0.005	NT
Green Beans	700	0			0.001	0.5 AL
Peaches	518	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
Peaches, Frozen	154	0			0.005	NT
Plums	277	0			0.013	NT
Summer Squash	698	0			0.001 - 0.005	NT
Sweet Bell Peppers	328	0			0.005	NT
Tangerines	531	0			0.005	0.5 AL
Watermelon	175	0			0.005	NT
Winter Squash	706	0			0.001	NT
TOTAL	**8,720**	**0**				
Mirex (insecticide)						
Blueberries, Cultivated, Fresh	692	0			0.001	NT
Blueberries, Frozen	14	0			0.001	NT
Cantaloupe	328	0			0.001	NT
Green Beans	700	0			0.001	NT
Plums	277	0			0.001	NT
Summer Squash	365	0			0.001	NT
Winter Squash	706	0			0.001	NT
TOTAL	**3,082**	**0**				
Oxychlordane (metabolite of Chlordane)						
Green Beans	679	0			0.005	0.1 AL
Summer Squash	327	0			0.005	0.1 AL
Winter Squash	706	1	0.1	0.011	0.005	0.1 AL
TOTAL	**1,712**	**1**				

NOTES

^ = When a range is not listed, 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.

(V) = Residue was found where no tolerance was established by EPA. Following "V" are the number of occurrences. Refer to pages 4 through 7 in Appendix J to see the number of occurrences broken down by sample origin (domestic, imported, or unknown).

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 26 foreign countries. There were 366 domestic samples from unknown States. There were an additional 48 samples from unknown origins. Overall, 66.5 percent of samples were from U.S. sources, 32.1 percent were imports from single countries, 0.9 percent were of mixed national origin, and 0.5 percent were of unknown origin.

Corn grain is excluded from Appendix F because the targeted corn samples rely on a different sampling frame and are not collected from routine Pesticide Data Program (PDP) sample collection locations. The origins for the corn grain samples are shown on Figure 5.

APPENDIX F. SAMPLE ORIGIN BY STATE OR COUNTRY [1]
(Determined by Grower, Packer, or Distributor)

Part 1. Domestic Samples

	Fresh F&V																Processed F&V			Dairy	# of	% of
	BB	BR	CE	CF	CN	CR	EP	GB	PC	PE	PP	PU	SS	TA	WM	WS	BZ	GJ	HZ	BU	Samples	Total
Alabama								4	1				3								8	0.1
Arizona		9		7	17	32	1	2					1			4		2	2	1	78	0.8
Arkansas			2	2		2		3					3	5				25	5	9	56	0.6
California	119	469	266	447	46	376	111	113	235	102	27	242	79	262	19	119	1	105	57	23	3218	33.1
Colorado		2	6	1	1	6	1	9	3	7		3	10	1		8				3	61	0.6
Connecticut			2				3	1		1			1								8	0.1
Delaware								3	2							1					6	0.1
Florida	29	6	7	4	2	17	71	106	2	1	54		57	18	8	15		21			418	4.3
Georgia	8	5			1		64	19	17		10		46			22					192	2.0
Idaho									2			2						11	5	2	22	0.2
Illinois	4	10	2		1	20		13			1		6	6		1		26		14	104	1.1
Indiana		1						1		3	1										6	0.1
Iowa																				1	1	< 0.1
Kansas																				5	5	0.1
Kentucky								1													1	< 0.1
Louisiana											1										1	< 0.1
Maine		4	1	3		1		2		1				3				1		1	17	0.2
Maryland	1	3	3	1		2	9	17	8		6	2	20	2	5	5		6		1	91	0.9
Massachusetts																1		219			220	2.3
Michigan	23	1	18		1	15	16	27	4	1			25		2	39	1	36	12	13	234	2.4
Minnesota	3							2	1			1						5	3	31	46	0.5
Missouri																		1		1	2	< 0.1
Montana																				2	2	< 0.1
Nevada		5	1																		6	0.1
New Hampshire																		4	1	2	7	0.1
New Jersey	12	2				1	16	9	7			2	4	1		6		4		1	65	0.7
New Mexico															1						1	< 0.1
New York	1	16		1		5	2	13	4	1			12	1	5	13	1	12	6	10	103	1.1
North Carolina	17	6					13	5	3		3		10			7		1	1	1	67	0.7
Ohio	2	4		3		26	13	20	4	4		3	21	4		19		24	15	10	172	1.8
Oklahoma															1						1	< 0.1
Oregon	14							5		104		1	3			5			2	2	136	1.4
Pennsylvania						4	1	16	4				1	2	1	1		5	1	5	41	0.4
Rhode Island																		5	1	1	7	0.1
South Carolina		1					3		33		1		1								39	0.4
Tennessee			1										1			4		3			9	0.1
Texas	2	10	7	11	5	16	12	44	6	13	5	2	29	4	10	2		19	14	7	218	2.2
Vermont																				2	2	< 0.1
Virginia							2	3					1					1			7	0.1
Washington	14	8	10	6		1	8	4	4	313	1	1	8			9			2	9	398	4.1
West Virginia									2												2	< 0.1
Wisconsin								1								1				7	9	0.1
Unknown State	12	19	12	21	9	10	47	42	27	18	11	18	35	15	18	29		16	1	6	366	3.8
# of Domestic	261	581	338	507	83	534	393	485	369	569	121	277	377	324	70	311	3	552	128	170	6,453	
% of Total	38	82	95	95	25	75	56	69	71	80	37	100	54	61	40	44	21	79	83	96		66.5

Part 2. Imported Samples

	Fresh F&V																Processed F&V			Dairy	# of	% of
	BB	BR	CE	CF	CN	CR	EP	GB	PC	PE	PP	PU	SS	TA	WM	WS	BZ	GJ	HZ	BU	Samples	Total
Argentina	9									103								35			147	1.5
Australia										1				9							10	0.1
Canada	41	7	7	5		112	8				20		6			14	5		2		227	2.3
Chile	84								148	28				55			5	3	6		329	3.4
China																			1		1	< 0.1
Costa Rica					8																8	0.1
France																				1	1	< 0.1
Germany																				1	1	< 0.1
Greece																			16		16	0.2
Guatemala					160			36			1		1		8						206	2.1
Honduras					64		1				5					24					94	1.0
Ireland																				4	4	< 0.1
Israel						13								9							22	0.2
Japan																		2			2	< 0.1
Mexico	135	119	8	16	13	48	289	173		2	181		305	1	97	353	1		1		1742	17.9
Morocco														22							22	0.2
Netherlands							5														5	0.1
New Zealand																				1	1	< 0.1
Peru	160									1				75							236	2.4
Poland																		1			1	< 0.1
South Africa										1				10							11	0.1
Turkey																		2			2	< 0.1
Uruguay	2													26							28	0.3
# of Imports	431	126	15	21	245	173	303	209	148	136	207	0	312	207	105	391	11	43	26	7	3,116	
% of Total	62	18	4	4	75	24	43	30	29	19	63	0	45	39	60	55	79	6	17	4		32.1

Part 3. Mixed National Origin Samples

	Fresh F&V																Processed F&V			Dairy	# of	% of
	BB	BR	CE	CF	CN	CR	EP	GB	PC	PE	PP	PU	SS	TA	WM	WS	BZ	GJ	HZ	BU	Samples	Total
Argentina / Brazil / Chile / Mexico / Spain / USA																		1			1	< 0.1
Argentina / Brazil / Chile / USA																		1			1	< 0.1
Argentina / Chile / Mexico / Spain / USA																		1			1	< 0.1
Argentina / Chile / USA																		3			3	< 0.1
Argentina / Spain																		1			1	< 0.1
Argentina / Spain / USA																		15			15	0.2
Argentina / USA																		61			61	0.6
Austria / Mexico / USA																		1			1	< 0.1
Brazil / USA																		1			1	< 0.1
Chile / USA																		6			6	0.1
South Africa / USA																		1			1	< 0.1
# of Mixed National Origin Samples																		92			92	
% of Total																		13				0.9

Part 4. Unknown Origin Samples

	Fresh F&V																Processed F&V			Dairy	# of	% of
	BB	BR	CE	CF	CN	CR	EP	GB	PC	PE	PP	PU	SS	TA	WM	WS	BZ	GJ	HZ	BU	Samples	Total
Unknown Origin		1	1	3		1	7	6	1	2			9			4		13			48	
% of Total		< 1	< 1	1		< 1	1	1	< 1	< 1			1			1		2				0.5
Sample Totals:	692	708	354	531	328	708	703	700	518	707	328	277	698	531	175	706	14	700	154	177	9,709	

NOTES

1 = Excludes corn grain samples. The origins for corn grain samples are shown on Figure 5.

Commodity Legend		
BB = Blueberries, Cultivated, Fresh	CR = Carrots	PP = Sweet Bell Peppers
BR = Broccoli	EP = Eggplant	PU = Plums
BU = Butter	GB = Green Beans	SS = Summer Squash
BZ = Blueberries, Frozen	GJ = Grape Juice	TA = Tangerines
CE = Celery	HZ = Peaches, Frozen	WM = Watermelon
CF = Cauliflower	PC = Peaches, Fresh	WS = Winter Squash
CN = Cantaloupe	PE = Pears	

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 2021. Residue data for domestic fresh blueberries are compared with data for samples originating in both Mexico and Peru. Residue data for domestic green beans are compared with data for samples originating in Mexico. Residue data for domestic peaches are compared with data for samples originating in Chile. Residue data for domestic pears are compared with data for samples originating in Argentina. These commodities were selected because they are fresh products collected all 12 months of the year and they have more than 100 data points (samples) for each of the countries compared. Only residues detected in more than 5 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

2021 Distribution of Residues for Fresh Blueberry Samples Originating in Mexico and Peru Versus United States

(Only Pesticides with Residue Detections in at least 5 Percent of all Samples)

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Acetamiprid	United States	261	43	16.5	0.002 - 0.45	1.6
	Mexico	135	52	38.5	0.002 - 0.19	1.6
	Peru	160	91	56.9	0.002 - 2.0	1.6
Azoxystrobin	United States	261	91	34.9	0.002 - 0.72	10.0
	Mexico	135	56	41.5	0.002 - 0.31	10.0
	Peru	160	31	19.4	0.002 - 0.18	10.0
Bifenthrin	United States	261	53	20.3	0.002 - 0.71	3
	Mexico	135	32	23.7	0.002 - 0.44	3
	Peru	160	0			3
Boscalid	United States	261	48	18.4	0.004 - 1.7	13.0
	Mexico	135	65	48.1	0.004 - 2.1	13.0
	Peru	160	105	65.6	0.004 - 2.1	13.0
Cypermethrin	United States	261	92	35.2	0.010 - 0.60	0.8
	Mexico	135	54	40	0.010 - 0.54	0.8
	Peru	160	0			0.8
Cyprodinil	United States	261	76	29.1	0.005 - 0.66	5.0
	Mexico	135	52	38.5	0.005 - 1.0	5.0
	Peru	160	53	33.1	0.005 - 1.0	5.0
Difenoconazole	United States	261	1	0.4	0.77	4.0
	Mexico	135	9	6.7	0.029 - 0.10	4.0
	Peru	160	28	17.5	0.010 - 0.77	4.0
Fenhexamid	United States	261	17	6.5	0.016 - 1.1	5
	Mexico	135	21	15.6	0.016 - 0.49	5
	Peru	160	46	28.7	0.016 - 1.2	5
Fludioxonil	United States	261	43	16.5	0.026 - 1.5	3.0
	Mexico	135	46	34.1	0.025 - 1.4	3.0
	Peru	160	50	31.2	0.026 - 1.7	3.0
Fluopyram	United States	261	30	11.5	0.005 - 0.43	7.0
	Mexico	135	0			7.0
	Peru	160	4	2.5	0.005 - 0.08	7.0

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Imidacloprid	United States	261	30	11.5	0.003 - 0.27	3.5
	Mexico	135	17	12.6	0.003 - 0.51	3.5
	Peru	160	16	10	0.003 - 0.025	3.5
Malathion	United States	261	48	18.4	0.002 - 0.15	8
	Mexico	135	4	3	0.002 - 0.012	8
	Peru	160	0			8
Phosmet	United States	261	40	15.3	0.010 - 1.6	10
	Mexico	135	3	2.2	0.019 - 0.20	10
	Peru	160	0			10
Pyraclostrobin	United States	261	23	8.8	0.004 - 0.22	4.0
	Mexico	135	38	28.1	0.004 - 0.56	4.0
	Peru	160	44	27.5	0.003 - 0.49	4.0
Spinetoram	United States	261	6	2.3	0.004 - 0.014	0.90
	Mexico	135	15	11.1	0.003 - 0.035	0.90
	Peru	160	5	3.1	0.004 - 0.036	0.90
Spinosad A	United States	261	19	7.3	0.004 - 0.089	0.90
	Mexico	135	12	8.9	0.004 - 0.17	0.90
	Peru	160	3	1.9	0.004 - 0.012	0.90
Tetrahydrophthalimide (THPI)	United States	261	87	33.3	0.010 - 4.0	20.0 TP
	Mexico	135	20	14.8	0.010 - 0.22	20.0 TP
	Peru	160	2	1.2	0.018 - 0.040	20.0 TP

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

2021 Distribution of Residues for Green Bean Samples Originating in Mexico Versus United States

(Only Pesticides with Residue Detections in at least 5 Percent of all Samples)

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Acephate	United States	485	22	4.5	0.006 - 10	0.02 FF
	Mexico	173	20	11.6	0.006 - 0.73	0.02 FF
Azoxystrobin	United States	485	158	32.6	0.001 - 0.58	3.0
	Mexico	173	18	10.4	0.002 - 0.08	3.0
Bifenthrin	United States	485	139	28.7	0.001 - 0.15	0.6
	Mexico	173	37	21.4	0.002 - 0.077	0.6
Boscalid	United States	485	41	8.5	0.004 - 0.23	5.0
	Mexico	173	16	9.2	0.003 - 0.069	5.0
Carbendazim (MBC)	United States	485	136	28	0.002 - 0.26	2.0 TP
	Mexico	173	89	51.4	0.001 - 0.10	2.0 TP
Chlorantraniliprole	United States	485	41	8.5	0.005 - 0.048	2.0
	Mexico	173	4	2.3	0.005 - 0.035	2.0
Chlorothalonil	United States	485	73	15.1	0.005 - 0.73	5
	Mexico	173	19	11	0.006 - 0.19	5
Cyhalothrin, Total	United States	485	62	12.8	0.003 - 0.056	0.20
	Mexico	173	29	16.8	0.003 - 0.033	0.20
Cypermethrin	United States	485	86	17.7	0.005 - 0.19	0.7
	Mexico	173	16	9.2	0.006 - 0.070	0.7
Dicloran	United States	485	42	8.7	0.001 - 2.2	20
	Mexico	173	19	11	0.002 - 0.44	20
Imidacloprid desnitro	United States	470	16	3.4	0.001 - 0.023	4.0
	Mexico	168	32	19	0.001 - 0.023	4.0
Metalaxyl/Mefenoxam	United States	485	32	6.6	0.001 - 0.022	0.2
	Mexico	173	9	5.2	0.001 - 0.023	0.2
Methamidophos	United States	485	23	4.7	0.001 - 1.9	0.02 TP
	Mexico	173	23	13.3	0.002 - 0.33	0.02 TP
Myclobutanil	United States	485	39	8	0.003 - 0.096	1.0
	Mexico	173	10	5.8	0.004 - 0.089	1.0

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Novaluron	United States	485	43	8.9	0.003 - 0.11	0.70
	Mexico	173	4	2.3	0.016 - 0.028	0.70
Omethoate	United States	485	28	5.8	0.001 - 0.039	2.0 TP
	Mexico	173	2	1.2	0.003 - 0.011	2.0 TP
Penthiopyrad	United States	485	46	9.5	0.001 - 0.11	4.0
	Mexico	173	3	1.7	0.001 - 0.020	4.0
Pyraclostrobin	United States	485	111	22.9	0.001 - 0.20	0.5
	Mexico	173	19	11	0.003 - 0.13	0.5
Tebuconazole	United States	485	8	1.6	0.001 - 0.026	0.1
	Mexico	173	15	8.7	0.001 - 0.092	0.1

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

2021 Distribution of Residues for Peach Samples Originating in Chile Versus United States

(Only Pesticides with Residue Detections in at least 5 Percent of all Samples)

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Acetamiprid	United States	369	28	7.6	0.010 - 0.20	1.5
	Chile	148	69	46.6	0.011 - 0.11	1.5
Azoxystrobin	United States	369	68	18.4	0.002 - 0.091	2.0
	Chile	148	7	4.7	0.003 - 0.045	2.0
Boscalid	United States	369	60	16.3	0.014 - 0.43	3.5
	Chile	148	0			3.5
Captan	United States	369	35	9.5	0.023 - 1.1	15.0
	Chile	148	1	0.7	0.078 - 0.078	15.0
Chlorantraniliprole	United States	369	37	10	0.020 - 0.053	4.0 IT
	Chile	148	16	10.8	0.020 - 0.081	4.0 IT
Clothianidin	United States	369	37	10	0.010 - 0.062	0.80
	Chile	148	1	0.7	0.012 - 0.012	0.80
Cyfluthrin	United States	369	63	17.1	0.006 - 0.13	0.3
	Chile	148	0			0.3
Cyhalothrin, Total	United States	369	46	12.5	0.008 - 0.076	0.50
	Chile	148	44	29.7	0.008 - 0.052	0.50
Cyprodinil	United States	369	82	22.2	0.005 - 0.63	2.0
	Chile	148	9	6.1	0.005 - 0.017	2.0
Difenoconazole	United States	369	56	15.2	0.005 - 0.10	2.5
	Chile	148	4	2.7	0.009 - 0.035	2.5
Etoxazole	United States	369	58	15.7	0.004 - 0.098	1.0
	Chile	148	0			1.0
Fenbuconazole	United States	369	58	15.7	0.005 - 0.12	1.0
	Chile	148	0			1.0
Fenpropathrin	United States	369	53	14.4	0.005 - 0.90	1.4
	Chile	148	0			1.4
Fenpyroximate	United States	369	37	10	0.010 - 0.072	2.0
	Chile	148	0			2.0

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Fludioxonil	United States	369	307	83.2	0.007 - 24	5.0
	Chile	148	146	98.6	0.005 - 10	5.0
Fluopyram	United States	369	85	23	0.010 - 0.25	1.0
	Chile	148	4	2.7	0.011 - 0.048	1.0
Imidacloprid	United States	369	23	6.2	0.011 - 0.32	3.0
	Chile	148	5	3.4	0.016 - 0.036	3.0
Indoxacarb	United States	369	16	4.3	0.010 - 0.045	0.90
	Chile	148	12	8.1	0.010 - 0.045	0.90
Iprodione	United States	369	2	0.5	0.006 - 0.015	20.0 PH
	Chile	148	25	16.9	0.005 - 0.044	20.0 PH
Methoxyfenozide	United States	369	83	22.5	0.011 - 0.13	3.0
	Chile	148	26	17.6	0.010 - 0.042	3.0
Myclobutanil	United States	369	19	5.1	0.005 - 0.17	2.0
	Chile	148	12	8.1	0.006 - 0.031	2.0
Propiconazole	United States	369	162	43.9	0.010 - 4.3	4.0
	Chile	148	45	30.4	0.010 - 0.14	4.0
Pyraclostrobin	United States	369	100	27.1	0.003 - 0.13	2.5
	Chile	148	0			2.5
Pyrimethanil	United States	369	25	6.8	0.003 - 0.53	10
	Chile	148	58	39.2	0.003 - 18	10
Spinetoram	United States	369	34	9.2	0.010 - 0.037	0.30
	Chile	148	9	6.1	0.011 - 0.031	0.30
Spinosad	United States	359	47	13.1	0.004 - 0.21	0.20
	Chile	148	36	24.3	0.004 - 0.14	0.20
Spirodiclofen	United States	369	61	16.5	0.010 - 0.18	1.0
	Chile	148	63	42.6	0.010 - 0.077	1.0
Tebuconazole	United States	369	17	4.6	0.007 - 0.13	2
	Chile	148	81	54.7	0.006 - 0.61	2
Trifloxystrobin	United States	369	82	22.2	0.005 - 0.16	2
	Chile	148	0			2

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

2021 Distribution of Residues for Pear Samples Originating in Argentina Versus United States

(Only Pesticides with Residue Detections in at least 5 Percent of all Samples)

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Acetamiprid	United States	569	118	20.7	0.012 - 0.70	1.0
	Argentina	103	45	43.7	0.012 - 0.092	1.0
Bifenazate	United States	569	36	6.3	0.008 - 0.046	0.7
	Argentina	103	0			0.7
Buprofezin	United States	569	113	19.9	0.002 - 0.83	6.0
	Argentina	103	10	9.7	0.002 - 0.004	6.0
Carbendazim (MBC)	United States	569	202	35.5	0.008 - 0.20	3.0 TP
	Argentina	103	14	13.6	0.008 - 0.048	3.0 TP
Chlorantraniliprole	United States	569	174	30.6	0.007 - 0.066	1.2
	Argentina	103	62	60.2	0.007 - 0.13	1.2
Cyflumetofen	United States	569	45	7.9	0.008 - 0.073	0.30
	Argentina	103	0			0.30
Diphenylamine (DPA)	United States	538	58	10.8	0.005 - 0.069	5.0 PH
	Argentina	81	28	34.6	0.005 - 0.074	5.0 PH
Ethoxyquin	United States	569	102	17.9	0.020 - 0.92	3
	Argentina	103	46	44.7	0.020 - 1.7	3
Etoxazole	United States	569	71	12.5	0.002 - 0.047	0.20
	Argentina	103	0			0.20
Fenpyroximate	United States	569	47	8.3	0.002 - 0.099	0.30
	Argentina	103	0			0.30
Fludioxonil	United States	569	286	50.3	0.017 - 2.2	5.0
	Argentina	103	62	60.2	0.017 - 1.1	5.0
Fluxapyroxad	United States	569	82	14.4	0.003 - 0.23	0.8
	Argentina	103	0			0.8
Imidacloprid	United States	569	62	10.9	0.033 - 0.29	0.6
	Argentina	103	0			0.6
Methoxyfenozide	United States	569	96	16.9	0.002 - 0.077	2.0
	Argentina	103	0			2.0

Pesticide	Origin	# of Samples Analyzed	# of Samples w/ Detections	% of Samples w/ Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Novaluron	United States	569	154	27.1	0.005 - 0.92	3.0
	Argentina	103	11	10.7	0.017 - 0.17	3.0
o-Phenylphenol	United States	569	36	6.3	0.003 - 6.1	25.0 PH
	Argentina	103	1	1	0.003	25.0 PH
Pyraclostrobin	United States	569	97	17	0.003 - 0.18	1.5
	Argentina	103	1	1	0.032	1.5
Pyrimethanil	United States	569	382	67.1	0.003 - 17.9	15
	Argentina	103	38	36.9	0.003 - 3.9	15
Spinetoram	United States	569	181	31.8	0.005 - 0.059	0.20
	Argentina	103	4	3.9	0.005 - 0.005	0.20
Spirodiclofen	United States	569	144	25.3	0.007 - 0.16	0.80
	Argentina	103	0			0.80
Spirotetramat	United States	569	73	12.8	0.003 - 0.034	0.70
	Argentina	103	0			0.70
Tetrahydrophthalimide (THPI)	United States	569	1	0.2	0.039	25.0 TP
	Argentina	103	65	63.1	0.056 - 0.86	25.0 TP
Thiabendazole	United States	569	262	46	0.002 - 2.8	10
	Argentina	103	49	47.6	0.002 - 1.3	10
Thiophanate methyl	United States	569	104	18.3	0.017 - 0.22	3.0
	Argentina	103	2	1.9	0.017	3.0
Tolfenpyrad	United States	569	177	31.1	0.005 - 0.29	1.0
	Argentina	103	0			1.0

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

^ = Only one distinct detected concentration was reported for the commodity/pesticide/country combination.

EPA Tolerance Codes:
FF = All food/feed commodities tolerance except those covered by a higher tolerance.
FU = Foreign use compound; There are no U.S. registrations.
IT = Interim Tolerance/Temporary or time limited tolerance/Section 18.
PH = Post-harvest application.
TP = Tolerance is from parent compound.

Appendix H

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

Appendix H shows 272 commodity/pesticide pairs (including metabolites, isomers, and degradates) with detections in at least 5 percent of the samples tested. This appendix excludes environmental contaminants, which are listed in Appendix E. 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 2021 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 Blueberries, Cultivated, Fresh (17 pesticides)							
Acetamiprid *	I	30.8	692	213	0.002 - 2.0	0.076	1.6
Azoxystrobin	F	27.5	692	190	0.002 - 0.72	0.084	10.0
Bifenthrin *	I	16.3	692	113	0.002 - 0.71	0.093	3
Boscalid	F	41.3	692	286	0.004 - 2.1	0.21	13.0
Cypermethrin *	I	23	692	159	0.010 - 0.60	0.093	0.8
Cyprodinil	F	30.5	692	211	0.005 - 1.6	0.11	5.0
Difenoconazole	F	5.6	692	39	0.010 - 0.77	0.13	4.0
Fenhexamid	F	16.5	692	114	0.013 - 1.2	0.18	5
Fludioxonil	F	24.1	692	167	0.025 - 3.1	0.25	3.0
Fluopyram	F	7.7	692	53	0.005 - 0.43	0.077	7.0
Imidacloprid	I	10.4	692	72	0.003 - 0.51	0.028	3.5
Malathion	I	9.4	692	65	0.002 - 0.15	0.030	8
Phosmet	I	11.3	692	78	0.010 - 1.6	0.16	10
Pyraclostrobin	F	18.8	692	130	0.003 - 0.56	0.049	4.0
Spinetoram	I	5.3	692	37	0.003 - 0.036	0.010	0.90
Spinosad A *	IM	6.1	692	42	0.003 - 0.17	0.023	0.90
Tetrahydrophthalimide (THPI) [1]	FM	23.8	692	165	0.010 - 4.0	0.19	20.0 TP
2 Broccoli (10 pesticides)							
Azoxystrobin	F	10.7	708	76	0.002 - 0.48	0.057	3.0
Boscalid	F	7.2	708	51	0.002 - 0.86	0.075	6.0
Cyhalothrin, Total [2] *	I	5.5	708	39	0.005 - 0.059	0.017	0.4
DCPA	H	33.3	708	236	0.002 - 0.078	0.006	5.0
Fluopyram	F	8.3	708	59	0.002 - 0.024	0.004	4.0
Imidacloprid	I	16.7	708	118	0.003 - 0.053	0.011	3.5
Permethrin (parent)							
Permethrin cis [3]	IM	7.1	708	50	0.002 - 0.13	0.019	2.0
Permethrin trans [3]	IM	6.2	708	44	0.002 - 0.14	0.021	2.0
Pronamide (Propyzamide)	H	6.2	708	44	0.002 - 0.008	0.003	NT
Pyraclostrobin	F	9	708	64	0.002 - 1.0	0.040	5.0
Thiamethoxam (parent) *	I	23.3	708	165	0.003 - 0.045	0.006	4.5
Clothianidin [4] *	I	5.2	708	37	0.006 - 0.031	0.012	4.5 TP
3 Butter (5 pesticides)							
Bifenthrin *	I	36.7	177	65	0.002	0.002	1.0
Cyhalothrin, Total [2] *	I	23.2	177	41	0.006	0.006	10.0
Novaluron *	I	42.4	177	75	0.002 - 0.023	0.010	20
Permethrin (parent)							
Permethrin cis [3]	IM	40.1	177	71	0.002 - 0.007	0.002	3.0
Permethrin trans [3]	IM	39	177	69	0.002 - 0.008	0.003	3.0
Piperonyl butoxide	I	23.7	177	42	0.003 - 0.009	0.003	0.25

	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	**Cantaloupe (9 pesticides)**							
	Acetamiprid *	I	22.6	328	74	0.002 - 0.025	0.006	0.50
	Clothianidin *	I	5.8	328	19	0.011 - 0.057	0.024	0.2 TP
	Dinotefuran *	I	29	328	95	0.003 - 0.082	0.019	0.5
	Fluopyram	F	13.4	328	44	0.005 - 0.036	0.010	1.0
	Imidacloprid	I	19.2	328	63	0.003 - 0.060	0.008	0.5
	Metalaxyl/Mefenoxam [5]	F	21.3	328	70	0.001 - 0.019	0.005	1.0
	Oxamyl oxime [6]	IM	7.3	328	24	0.008 - 0.15	0.041	2.0
	Propamocarb hydrochloride [7]	F	21	328	69	0.002 - 0.018	0.005	1.5
	Thiabendazole	F	14.6	328	48	0.002 - 0.11	0.020	15.0 FU
5	**Carrots (7 pesticides)**							
	Azoxystrobin	F	5.6	708	40	0.010 - 0.034	0.016	1.0
	Boscalid	F	18.2	708	129	0.020 - 0.12	0.043	2.0
	Iprodione	F	9.3	708	66	0.015 - 3.3	0.11	5.0
	Linuron	H	31.9	708	226	0.010 - 0.29	0.036	1.0
	Myclobutanil	F	7.2	708	51	0.001 - 0.006	0.003	0.03 IN
	Penthiopyrad	F	5.1	708	36	0.001 - 0.067	0.007	3.0
	Pyraclostrobin	F	10.2	708	72	0.005 - 0.046	0.008	0.4
6	**Cauliflower (3 pesticides)**							
	Flupyradifurone	I	16.8	531	89	0.002 - 0.11	0.005	6
	Imidacloprid	I	18.1	531	96	0.003 - 1.1	0.019	3.5
	Thiamethoxam *	I	23.5	531	125	0.003 - 0.080	0.005	4.5
7	**Celery (14 pesticides)**							
	Acephate *	I	7.3	354	26	0.056 - 1.2	0.23	10
	Azoxystrobin	F	19.8	354	70	0.002 - 0.14	0.025	30.0
	Bifenthrin *	I	6.5	354	23	0.005 - 0.16	0.033	3.0
	Boscalid	F	7.1	354	25	0.010 - 0.24	0.042	45
	Carbaryl	I	6.2	354	22	0.012 - 0.44	0.08	3.0
	Chlorantraniliprole	I	6.8	354	24	0.021 - 0.16	0.044	13
	Chlorothalonil	F	26.3	354	93	0.005 - 0.86	0.10	15
	Dicloran	F	6.8	354	24	0.006 - 0.44	0.095	15
	Malathion	I	14.4	354	51	0.011 - 0.18	0.052	8
	Methomyl	I	5.1	354	18	0.010 - 0.082	0.030	3
	Penthiopyrad	F	5.1	354	18	0.010 - 0.14	0.046	30
	Permethrin Total	I	48.3	354	171	0.005 - 0.27	0.045	5
	Propiconazole	F	30.5	354	108	0.010 - 0.14	0.023	5
	Pyraclostrobin	F	11.3	354	40	0.003 - 0.075	0.023	29
8	**Corn Grain (1 pesticide)**							
	Glyphosate	H	34.9	418	146	0.050 - 0.14	0.052	5.0
9	**Eggplant (10 pesticides)**							
	Acetamiprid *	I	14.5	703	102	0.002 - 0.14	0.019	0.20
	Bifenthrin *	I	6.3	703	44	0.002 - 0.041	0.010	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
Difenoconazole	F	7.3	703	51	0.002 - 0.033	0.009	0.60
Dinotefuran *	I	11	703	77	0.010 - 0.16	0.033	0.7
Fenpyroximate	A	5.4	703	38	0.003 - 0.022	0.007	0.20
Fluopyram	F	25.6	703	180	0.002 - 0.27	0.019	4.0
Flupyradifurone	I	9.1	703	64	0.002 - 0.18	0.031	1.5
Imidacloprid	I	21.2	703	149	0.002 - 0.13	0.016	1.0
Permethrin cis [3]	IM	5	703	35	0.002 - 0.12	0.020	0.50
Thiamethoxam (parent) *	I	23.9	703	168	0.003 - 0.19	0.014	0.25
Clothianidin [4] *	I	7.8	703	55	0.003 - 0.049	0.011	0.25 TP
10 Grape Juice (9 pesticides)							
Azoxystrobin	F	36	700	252	0.002 - 0.005	0.002	2.0
Boscalid	F	6.6	700	46	0.008 - 0.11	0.015	5.0
Carbaryl	I	10.1	700	71	0.008 - 0.048	0.017	10
Fluopyram	F	44	700	308	0.002 - 0.007	0.002	2.0
Flutriafol	F	11.9	700	83	0.003 - 0.028	0.006	1.5
Mandipropamid	F	7.3	700	51	0.003 - 0.010	0.003	1.4
Methoxyfenozide	I	68.4	700	479	0.002 - 0.031	0.008	1.0
Tebuconazole	F	22.1	700	155	0.003	0.003	6
Tetrahydrophthalimide (THPI) [1]	FM	6.6	700	46	0.017 - 0.29	0.049	25.0 TP
11 Green Beans (18 pesticides)							
Acephate (parent) *	I	6.3	700	44	0.006 - 10	0.86	0.02 FF
Methamidophos [8] *	I	6.9	700	48	0.001 - 1.9	0.19	0.02 TP
Azoxystrobin	F	28	700	196	0.001 - 0.58	0.029	3.0
Bifenthrin *	I	25.7	700	180	0.001 - 0.15	0.030	0.6
Boscalid	F	11	700	77	0.003 - 0.23	0.043	5.0
Carbendazim (MBC) [9]	F	33.4	700	234	0.001 - 0.26	0.033	2.0 TP
Chlorantraniliprole	I	6.6	700	46	0.005 - 0.048	0.014	2.0
Chlorothalonil	F	15.1	700	106	0.005 - 0.73	0.051	5
Cyhalothrin, Total [2] *	I	16	700	112	0.003 - 0.056	0.012	0.20
Cypermethrin *	I	15.6	700	109	0.005 - 0.19	0.04	0.7
Dicloran	F	9	700	63	0.001 - 2.2	0.093	20
Imidacloprid desnitro [10]	IM	8.2	679	56	0.001 - 0.023	0.005	4.0
Metalaxyl/Mefenoxam [5]	F	6.4	700	45	0.001 - 0.023	0.006	0.2
Myclobutanil	F	7.1	700	50	0.003 - 0.096	0.028	1.0
Novaluron *	I	6.7	700	47	0.003 - 0.11	0.023	0.70
Omethoate [11]	IM	5.1	700	36	0.001 - 0.086	0.017	2.0 TP
Penthiopyrad	F	7	700	49	0.001 - 0.11	0.025	4.0
Pyraclostrobin	F	20.4	700	143	0.001 - 0.20	0.017	0.5
Tebuconazole	F	5	700	35	0.001 - 0.092	0.011	0.1
12 Peaches, Fresh (29 pesticides)							
Acetamiprid *	I	18.7	518	97	0.010 - 0.20	0.038	1.5
Azoxystrobin	F	14.5	518	75	0.002 - 0.091	0.021	2.0
Boscalid	F	11.6	518	60	0.014 - 0.43	0.073	3.5
Captan	F	6.9	518	36	0.023 - 1.1	0.20	15.0

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
Chlorantraniliprole	I	10.2	518	53	0.020 - 0.081	0.030	4.0 IT
Clothianidin *	I	7.3	518	38	0.010 - 0.062	0.027	0.80
Cyfluthrin *	I	12.2	518	63	0.006 - 0.13	0.033	0.3
Cyhalothrin, Total [2] *	I	17.4	518	90	0.008 - 0.076	0.024	0.50
Cyprodinil	F	17.6	518	91	0.005 - 0.63	0.088	2.0
Difenoconazole	F	11.6	518	60	0.005 - 0.10	0.028	2.5
Etoxazole	A	11.2	518	58	0.004 - 0.098	0.023	1.0
Fenbuconazole	F	11.2	518	58	0.005 - 0.12	0.029	1.0
Fenpropathrin	I	10.4	518	54	0.005 - 0.90	0.19	1.4
Fenpyroximate	A	7.1	518	37	0.010 - 0.072	0.025	2.0
Fludioxonil	F	87.6	518	454	0.005 - 24	1.2	5.0
Fluopyram	F	17.2	518	89	0.010 - 0.25	0.059	1.0
Imidacloprid	I	5.4	518	28	0.011 - 0.32	0.056	3.0
Indoxacarb	I	5.4	518	28	0.010 - 0.045	0.019	0.90
Iprodione	F	5.2	518	27	0.005 - 0.044	0.014	20.0 PH
Methoxyfenozide	I	21	518	109	0.010 - 0.13	0.037	3.0
Myclobutanil	F	6	518	31	0.005 - 0.17	0.022	2.0
Propiconazole	F	40.2	518	208	0.010 - 4.3	0.23	4.0
Pyraclostrobin	F	19.3	518	100	0.003 - 0.13	0.045	2.5
Pyrimethanil	F	16	518	83	0.003 - 18	0.81	10
Spinetoram	I	8.3	518	43	0.010 - 0.037	0.018	0.30
Spinosad *	I	16.3	508	83	0.004 - 0.21	0.024	0.20
Spirodiclofen	A	24.1	518	125	0.010 - 0.18	0.034	1.0
Tebuconazole	F	18.9	518	98	0.006 - 0.61	0.071	2
Trifloxystrobin	F	15.8	518	82	0.005 - 0.16	0.037	2
13 Peaches, Frozen (5 pesticides)							
Cyprodinil	F	20.1	154	31	0.005 - 0.054	0.024	2.0
Fludioxonil	F	14.9	154	23	0.011 - 0.18	0.064	5.0
Fluopyram	F	6.5	154	10	0.010 - 0.026	0.014	1.0
Propiconazole	F	7.8	154	12	0.010 - 0.051	0.029	4.0
Tebuconazole	F	7.1	154	11	0.005 - 0.043	0.013	2
14 Pears (25 pesticides)							
Acetamiprid *	I	25.2	707	178	0.012 - 0.70	0.082	1.0
Bifenazate	A	5.2	707	37	0.008 - 0.046	0.015	0.7
Buprofezin	I	17.7	707	125	0.002 - 0.83	0.077	6.0
Chlorantraniliprole	I	36.2	707	256	0.007 - 0.13	0.018	1.2
Cyflumetofen	A	6.4	707	45	0.008 - 0.073	0.014	0.30
Diphenylamine (DPA)	F	13.3	648	86	0.005 - 0.074	0.012	5.0 PH
Ethoxyquin	P	21.2	707	150	0.020 - 1.7	0.19	3
Etoxazole	A	10.3	707	73	0.002 - 0.047	0.009	0.20
Fenpyroximate	A	6.6	707	47	0.002 - 0.10	0.025	0.30
Fludioxonil	F	52.6	707	372	0.017 - 2.3	0.54	5.0
Fluopyram	F	5	707	35	0.002 - 0.068	0.004	0.80
Fluxapyroxad	F	11.9	707	84	0.003 - 0.23	0.034	0.8

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
Imidacloprid	I	8.9	707	63	0.033 - 0.29	0.067	0.6
Methoxyfenozide	I	14.9	707	105	0.002 - 0.077	0.006	2.0
Novaluron *	I	23.5	707	166	0.005 - 0.92	0.044	3.0
o-Phenylphenol	F	5.8	707	41	0.003 - 6.1	0.25	25.0 PH
Pyraclostrobin	F	14.1	707	100	0.003 - 0.18	0.032	1.5
Pyrimethanil	F	63.6	707	450	0.003 - 17.9	0.90	15
Spinetoram	I	26.3	707	186	0.005 - 0.059	0.013	0.20
Spirodiclofen	A	21.1	707	149	0.007 - 0.16	0.019	0.80
Spirotetramat	I	10.6	707	75	0.003 - 0.034	0.005	0.70
Tetrahydrophthalimide (THPI) [1]	FM	9.5	707	67	0.038 - 0.86	0.39	25.0 TP
Thiabendazole	F	45.5	707	322	0.002 - 2.8	0.33	10
Thiophanate methyl (parent)	F	15.1	707	107	0.017 - 0.22	0.031	3.0
Carbendazim (MBC) [9]	F	30.7	707	217	0.008 - 0.20	0.032	3.0 TP
Tolfenpyrad	I	25.3	707	179	0.005 - 0.29	0.039	1.0
15 Plums (8 pesticides)							
Cyprodinil	F	5.1	277	14	0.009 - 0.16	0.072	2.0
Fludioxonil	F	85.2	277	236	0.025 - 1.2	0.28	5.0
Fluopyram	F	14.8	277	41	0.006 - 0.060	0.021	0.50
Hexythiazox	I	10.9	247	27	0.002 - 0.013	0.005	1.0
Methoxyfenozide	I	43.3	277	120	0.003 - 0.12	0.027	0.30
Propiconazole	F	14.4	277	40	0.010 - 0.23	0.080	0.60
Spirotetramat	I	22.7	277	63	0.002 - 0.025	0.005	4.5
Trifloxystrobin	F	15.5	277	43	0.002 - 0.032	0.007	2
16 Summer Squash (13 pesticides)							
Acetamiprid *	I	5.6	698	39	0.002 - 0.035	0.008	0.50
Azoxystrobin	F	5.7	698	40	0.001 - 0.026	0.004	0.3
Bifenthrin *	I	5.2	698	36	0.002 - 0.033	0.008	0.4
Chlorothalonil	F	7.4	365	27	0.005 - 0.16	0.039	5.0
Cyflufenamid	F	6	698	42	0.001 - 0.038	0.011	0.10
Fluopyram	F	8	698	56	0.001 - 0.17	0.014	0.60
Flupyradifurone	I	5.7	698	40	0.001 - 0.12	0.017	0.40
Flutriafol	F	9	698	63	0.001 - 0.045	0.007	0.30
Imidacloprid (parent)	I	36.2	698	253	0.003 - 0.36	0.030	0.5
Imidacloprid desnitro [10]	IM	36.1	327	118	0.001 - 0.006	0.002	0.5
Imidacloprid urea [10]	IM	9.6	365	35	0.001 - 0.016	0.003	0.5
Metalaxyl/Mefenoxam [5]	F	6.2	698	43	0.001 - 0.33	0.029	1.0
Propamocarb (parent)	F	5.2	365	19	0.001 - 0.41	0.036	1.5
Propamocarb hydrochloride [7]	F	7.5	333	25	0.001 - 0.16	0.028	1.5
Pyraclostrobin	F	9.6	698	67	0.001 - 0.033	0.008	0.5
Thiamethoxam *	I	22.1	698	154	0.001 - 0.15	0.021	0.2
17 Sweet Bell Peppers (29 pesticides)							
Acetamiprid *	I	15.4	319	49	0.011 - 0.12	0.025	0.20
Azoxystrobin	F	16.9	319	54	0.002 - 0.10	0.019	3.0

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
Bifenthrin *	I	11.9	328	39	0.005 - 0.12	0.026	0.5
Boscalid	F	9.7	319	31	0.012 - 0.22	0.060	3.0
Chlorfenapyr *	I	13.7	328	45	0.005 - 0.16	0.038	2
Chlorothalonil	F	8.2	328	27	0.006 - 0.10	0.025	6.0
Chlorpyrifos *	I	5.8	328	19	0.006 - 0.22	0.055	1.0
Cyfluthrin *	I	5.8	328	19	0.005 - 0.044	0.015	0.50
Cyhalothrin, Total [2] *	I	7.3	328	24	0.008 - 0.11	0.025	0.20
Cypermethrin *	I	21	328	69	0.010 - 0.14	0.033	0.2
Difenoconazole	F	11.9	319	38	0.006 - 0.085	0.028	0.60
Dinotefuran *	I	13.2	319	42	0.010 - 0.62	0.073	0.7
Fenpropathrin	I	8.2	328	27	0.007 - 0.32	0.064	1.0
Flonicamid	I	13.5	319	43	0.011 - 0.53	0.065	3.0
Fluopyram	F	27.6	319	88	0.011 - 0.19	0.036	4.0
Imidacloprid	I	26.6	319	85	0.010 - 0.45	0.047	1.0
Metalaxyl/Mefenoxam [5]	F	12.5	328	41	0.006 - 0.21	0.035	1.0
Methomyl	I	5	319	16	0.013 - 0.92	0.13	2
Methoxyfenozide	I	5	319	16	0.010 - 0.076	0.038	2.0
Myclobutanil	F	7	328	23	0.006 - 0.062	0.022	4.0
Novaluron *	I	5.3	319	17	0.011 - 0.046	0.025	2
Oxamyl (parent)	I	6.9	319	22	0.012 - 0.18	0.050	2.0
Oxamyl oxime [6]	IM	25.4	319	81	0.010 - 0.46	0.086	2.0
Penthiopyrad	F	7.2	319	23	0.010 - 0.20	0.034	3.0
Propamocarb	F	6.9	319	22	0.010 - 0.64	0.099	4
Pyraclostrobin	F	20.4	319	65	0.003 - 0.12	0.030	1.4
Pyriproxyfen *	I	8.2	328	27	0.005 - 0.051	0.019	0.80
Spiromesifen	I	14.4	319	46	0.002 - 0.12	0.021	0.45
Thiacloprid	I	6.3	319	20	0.010 - 0.080	0.026	1.0 FU
Thiamethoxam (parent) *	I	22.3	319	71	0.010 - 0.095	0.027	0.25
Clothianidin [4] *	I	24.8	319	79	0.010 - 0.15	0.033	0.80
18 Tangerines (7 pesticides)							
Acetamiprid *	I	10.2	531	54	0.002 - 0.061	0.010	1.0
Azoxystrobin	F	30.3	531	161	0.002 - 0.24	0.026	15.0
Fludioxonil	F	36.9	531	196	0.005 - 0.26	0.025	10
Imazalil	F	94.9	531	504	0.006 - 1.1	0.19	10.0 PH
Propiconazole	F	15.8	531	84	0.005 - 0.13	0.021	8.0
Pyrimethanil	F	19.2	531	102	0.005 - 0.52	0.072	10
Thiabendazole	F	75.5	531	401	0.010 - 2.5	0.21	10
19 Watermelon (4 pesticides)							
Etoxazole	A	10.7	28	3	0.002 - 0.074	0.028	0.20
Fluopyram	F	5.7	175	10	0.002 - 0.012	0.004	1.0
Imidacloprid	I	17.1	175	30	0.010 - 0.12	0.023	0.5
Methomyl	I	5.7	175	10	0.005 - 0.039	0.014	0.2

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
20 Winter Squash (14 pesticides)							
Acetamiprid *	I	11.2	706	79	0.001 - 0.010	0.003	0.50
Bifenthrin *	I	19.8	706	140	0.001 - 0.14	0.007	0.4
Chlorothalonil	F	12	706	85	0.005 - 0.43	0.048	5.0
Chlorpropham	H	5.8	706	41	0.001 - 0.018	0.004	NT
Cyflufenamid	F	12.2	706	86	0.001 - 0.051	0.009	0.10
Flubendiamide	I	5.2	706	37	0.001 - 0.027	0.006	0.20
Flupyradifurone	I	5.8	706	41	0.001 - 0.085	0.010	0.40
Flutriafol	F	5.2	706	37	0.001 - 0.032	0.007	0.30
Imidacloprid (parent)	I	35.8	706	253	0.003 - 0.21	0.017	0.5
Imidacloprid desnitro [10]	IM	42.4	706	299	0.001 - 0.018	0.003	0.5
Propamocarb	F	7.8	706	55	0.002 - 0.34	0.054	1.5
Pydiflumetofen	F	5.9	706	42	0.001 - 0.18	0.028	0.50
Pyraclostrobin	F	5.4	706	38	0.001 - 0.006	0.003	0.5
Tebuconazole	F	5.8	706	41	0.001 - 0.023	0.004	0.4
Thiamethoxam *	I	14.6	706	103	0.001 - 0.030	0.004	0.2

NOTES

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

^ When a range is not listed, only one distinct detected concentration was reported for the pesticide/commodity pair.

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

1 Metabolite of captafol and captan.

2 Includes cyhalothrin lambda plus R157836 epimer.

3 Isomer of parent, permethrin.

4 Metabolite of parent, thiamethoxam.

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

6 Metabolite of parent, oxamyl.

7 Propamocarb analytically determined as the salt (hydrochloride).

8 Metabolite of parent, acephate.

9 Metabolite of benomyl and thiophanate methyl.

10 Metabolite of parent, imidacloprid.

11 Metabolite of parent, dimethoate.

Pesticide Types:

A = Acaricide
F = Fungicide, FM = Fungicide Metabolite
H = Herbicide
I = Insecticide, IM = Insecticide Metabolite
P = Plant Growth Regulator

EPA Tolerance Codes:

FF = All food/feed commodities tolerance except those covered by a higher tolerance.
FU = Foreign use compound. There are no U.S. registrations.
IN = Inadvertent/negligible residue tolerance.
NT = No tolerance established.
PH = Post-harvest application.
TP = Tolerance is from parent compound.

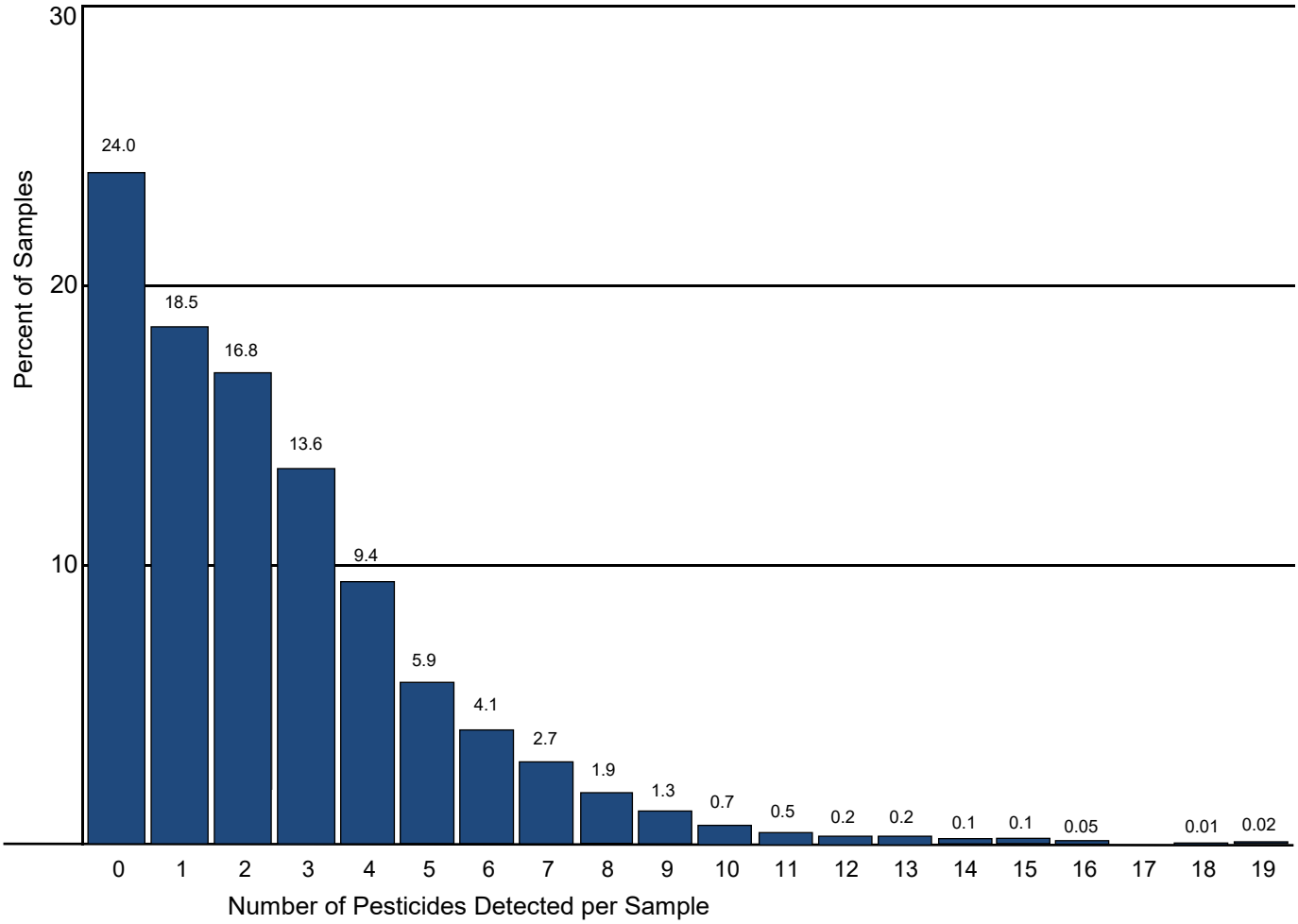
Appendix I

Number of Pesticides Detected per Sample

Appendix I shows the percentage of samples versus the number of pesticides detected per sample. This appendix excludes environmental contaminants, which are listed in Appendix E 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 10,127 samples analyzed, 24.0 percent of the samples had no detectable pesticides, 18.5 percent had 1 pesticide, and 57.5 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	19
# of Samples	2,433	1,877	1,697	1,374	947	596	415	272	188	130	67	53	24	20	12	14	5	0	1	2
% of Total Samples	24.0	18.5	16.8	13.6	9.4	5.9	4.1	2.7	1.9	1.3	0.7	0.5	0.2	0.2	0.1	0.1	0.05	-	0.01	0.02

TOTAL NUMBER OF SAMPLES = 10,127

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	19
Fresh Fruit and Vegetables:	Percent																			
Blueberries, Cultivated (692)	16.0	13.6	12.0	12.3	12.7	9.0	8.8	6.5	3.9	3.0	1.0	0.4	0.3	0.1	0.1	0.1	--	--	--	--
Broccoli (708)	21.0	24.6	24.4	15.3	7.8	4.1	1.8	0.1	0.6	--	0.1	--	0.1	--	--	--	--	--	--	--
Cantaloupe (328)	19.5	28.7	25.3	17.1	5.8	2.1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--
Carrots (708)	46.0	28.0	11.7	8.1	4.5	1.3	0.3	0.1	--	--	--	--	--	--	--	--	--	--	--	--
Cauliflower (531)	41.2	36.9	16.4	3.8	1.1	0.4	--	0.2	--	--	--	--	--	--	--	--	--	--	--	--
Celery (354)	16.4	16.4	21.2	22.3	13.0	4.8	4.2	0.6	0.8	0.3	--	--	--	--	--	--	--	--	--	--
Eggplant (703)	26.5	23.6	17.6	14.1	7.5	5.0	2.8	1.6	0.6	0.4	0.3	--	--	--	--	--	--	--	--	--
Green Beans (700)	15.7	15.1	16.7	16.1	12.4	7.9	5.1	4.7	2.4	1.6	0.9	0.7	0.1	0.3	--	--	0.1	--	--	--
Peaches (518)	2.3	8.9	11.0	13.7	16.2	12.4	9.7	6.6	4.8	3.1	2.5	2.1	1.9	1.9	0.8	1.5	0.2	--	0.2	0.2
Pears (707)	5.2	8.9	7.4	8.8	10.9	9.8	13.0	10.5	8.6	7.1	3.7	3.7	0.7	0.8	0.7	0.1	0.1	--	--	--
Plums (277)	11.6	24.2	23.5	17.7	8.7	11.2	2.5	--	0.7	--	--	--	--	--	--	--	--	--	--	--
Summer Squash (698)	31.1	19.5	17.0	11.6	8.7	5.0	3.0	2.0	1.3	0.6	0.1	--	--	--	--	--	--	--	--	--
Sweet Bell Peppers (328)	10.4	14.0	12.2	12.2	12.2	8.2	9.5	7.6	4.0	3.4	2.1	1.8	0.9	--	0.3	0.6	0.6	--	--	--
Tangerines (531)	2.6	5.8	33.0	31.3	16.9	8.3	1.5	0.6	--	--	--	--	--	--	--	--	--	--	--	--
Watermelon (175)	50.9	32.0	10.9	5.7	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Winter Squash (706)	17.8	15.3	22.1	17.3	8.4	6.7	4.7	2.8	2.0	1.6	0.4	0.1	0.1	0.1	0.1	0.3	--	--	--	0.1
Processed Fruit and Vegetables:																				
Blueberries, Frozen (14)	14.3	7.1	7.1	14.3	--	7.1	7.1	--	7.1	14.3	7.1	7.1	7.1	--	--	--	--	--	--	--
Grape Juice (700)	29.0	8.4	19.9	16.6	15.0	6.3	2.7	1.0	1.1	--	--	--	--	--	--	--	--	--	--	--
Peaches, Frozen (154)	68.8	14.3	5.8	8.4	1.9	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Percent of Total Samples	22.0	18.1	17.4	14.2	9.8	6.1	4.3	2.8	2.0	1.4	0.7	0.6	0.3	0.2	0.2	0.2	0.05	--	0.01	0.02
Actual Number of Samples	2,095	1,721	1,657	1,349	930	579	414	271	188	130	67	53	24	20	12	14	5	--	1	2

TOTAL NUMBER OF FRUIT & VEGETABLE SAMPLES = 9,532

Grain Product:																				
Corn Grain (418)	63.6	34.0	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Actual Number of Samples	266	142	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dairy Product:																				
Butter (177)	40.7	7.9	16.9	14.1	9.6	9.6	0.6	0.6	--	--	--	--	--	--	--	--	--	--	--	--
Actual Number of Samples	72	14	30	25	17	17	1	1	--	--	--	--	--	--	--	--	--	--	--	--

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 2021, a total of 423 samples with 466 pesticides were reported to the FDA as Presumptive Tolerance Violations.

Pesticides exceeding the tolerance were detected in 54 samples, including 4 samples of fresh blueberries, 1 sample of broccoli, 2 samples of celery, 3 samples of eggplant, 31 samples of green beans, 5 samples of peaches, 1 sample of pears, and 7 samples of winter squash. Of those 54 samples, 24 were reported as imported produce. One green bean sample contained 3 pesticides that exceeded the established tolerances. Five green bean samples and 2 peach samples contained 2 pesticides each that exceeded the established tolerances.

In addition, 374 samples were found to have pesticides for which no tolerance was established, including 373 fresh fruit and vegetable samples and 1 butter sample.

- 349 samples contained 1 pesticide for which no tolerance was established.
- 23 samples contained 2 pesticides for which no tolerances were established.
- 1 sample contained 3 pesticides for which no tolerances were established.
- 1 sample contained 5 pesticides for which no tolerances were established.

Five of the 374 samples also contained one or more pesticides 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 (PDP) accounted for both as part of the same tolerance expression.

The Environmental Protection Agency (EPA) tolerances cited in this summary and appendixes apply to 2021 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.

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	Blueberries, Cultivated, Fresh / Acetamiprid	0.002	2	1.6	Peru
2	Blueberries, Cultivated, Fresh / Acetamiprid	0.002	1.9	1.6	Peru
3	Blueberries, Cultivated, Fresh / Chlorfenapyr	0.015	0.041	0.01 FF	Mexico
4	Blueberries, Cultivated, Fresh / Fludioxonil	0.025	3.1	3.0	Chile
5	Broccoli / Cypermethrin	0.022	2.5	2.0	Mexico
6	Celery / Cyhalothrin, Total [1]	0.008	0.037	0.01 FF	U.S.
7	Celery / Novaluron	0.01	0.063	0.01 FF	Canada
8	Eggplant / Acephate [2]	0.075	0.32	0.02 FF	U.S.
9	Eggplant / Acephate [2]	0.075	0.18	0.02 FF	U.S.
10	Eggplant / Acephate [2]	0.075	0.084	0.02 FF	U.S.
11	Green Beans / Acephate [2, 3]	0.005	10	0.02 FF	U.S.
12	Green Beans / Acephate [2, 4]	0.005	7.5	0.02 FF	U.S.
13	Green Beans / Acephate [2, 5]	0.005	5.2	0.02 FF	U.S.
14	Green Beans / Acephate [2, 6]	0.005	4.7	0.02 FF	U.S.
15	Green Beans / Acephate [2, 7]	0.005	3.9	0.02 FF	U.S.
16	Green Beans / Acephate [2, 8]	0.005	1.2	0.02 FF	U.S.
17	Green Beans / Acephate [2, 9]	0.005	0.77	0.02 FF	U.S.
18	Green Beans / Acephate [2, 10]	0.005	0.73	0.02 FF	Mexico
19	Green Beans / Acephate [2, 11]	0.005	0.6	0.02 FF	U.S.
20	Green Beans / Acephate [2, 12]	0.005	0.44	0.02 FF	U.S.
21	Green Beans / Acephate [2, 13]	0.005	0.41	0.02 FF	U.S.
22	Green Beans / Acephate [2, 14]	0.005	0.34	0.02 FF	Mexico
23	Green Beans / Acephate [2, 15]	0.005	0.32	0.02 FF	U.S.
24	Green Beans / Acephate [2, 16]	0.005	0.19	0.02 FF	Mexico
25	Green Beans / Acephate [2, 17]	0.005	0.18	0.02 FF	Mexico
26	Green Beans / Acephate [2, 18]	0.005	0.14	0.02 FF	Mexico
27	Green Beans / Acephate [2, 19]	0.005	0.11	0.02 FF	U.S.
28	Green Beans / Acephate [2, 20]	0.005	0.098	0.02 FF	Mexico
29	Green Beans / Acephate [2, 21]	0.005	0.084	0.02 FF	Mexico
30	Green Beans / Acephate [2, 22]	0.005	0.082	0.02 FF	U.S.
31	Green Beans / Acephate [2, 23]	0.005	0.078	0.02 FF	U.S.

	Commodity / Pesticide	Limit of Detection, ppm	Concentration Detected, ppm	EPA Tolerance Level, ppm	Country of Origin
32	Green Beans / Acephate [2, 24]	0.005	0.075	0.02 FF	Mexico
33	Green Beans / Acephate [2, 25]	0.005	0.075	0.02 FF	U.S.
34	Green Beans / Acephate [2, 26]	0.005	0.067	0.02 FF	U.S.
35	Green Beans / Acephate [2, 27]	0.005	0.05	0.02 FF	Mexico
36	Green Beans / Acephate [2, 28]	0.005	0.045	0.02 FF	Unknown
37	Green Beans / Acephate [2, 29]	0.005	0.044	0.02 FF	U.S.
38	Green Beans / Acephate [2]	0.005	0.036	0.02 FF	Mexico
39	Green Beans / Buprofezin [2, 4]	0.001	0.074	0.02	U.S.
40	Green Beans / Buprofezin [2, 10]	0.001	0.063	0.02	Mexico
41	Green Beans / Buprofezin [2, 3]	0.001	0.055	0.02	U.S.
42	Green Beans / Clothianidin [30, 31]	0.001	0.14	0.02 TP	Mexico
43	Green Beans / Clothianidin [30]	0.001	0.031	0.02 TP	Mexico
44	Green Beans / Dinotefuran [2, 23]	0.003	0.049	0.01 FF	U.S.
45	Green Beans / Dinotefuran [2, 7]	0.003	0.04	0.01 FF	U.S.
46	Green Beans / Dinotefuran [2, 5]	0.003	0.031	0.01 FF	U.S.
47	Green Beans / Dinotefuran [2, 4]	0.003	0.03	0.01 FF	U.S.
48	Green Beans / Methamidophos [2, 3]	0.001	1.9	0.02 TP	U.S.
49	Green Beans / Methamidophos [2, 4]	0.001	1.5	0.02 TP	U.S.
50	Green Beans / Methamidophos [2, 6]	0.001	1.1	0.02 TP	U.S.
51	Green Beans / Methamidophos [2, 5]	0.001	1	0.02 TP	U.S.
52	Green Beans / Methamidophos [2, 7]	0.001	0.9	0.02 TP	U.S.
53	Green Beans / Methamidophos [2, 8]	0.001	0.4	0.02 TP	U.S.
54	Green Beans / Methamidophos [2, 11]	0.001	0.35	0.02 TP	U.S.
55	Green Beans / Methamidophos [2, 10]	0.001	0.33	0.02 TP	Mexico
56	Green Beans / Methamidophos [2, 9]	0.001	0.23	0.02 TP	U.S.
57	Green Beans / Methamidophos [2, 12]	0.001	0.17	0.02 TP	U.S.
58	Green Beans / Methamidophos [2, 13]	0.001	0.17	0.02 TP	U.S.
59	Green Beans / Methamidophos [2, 15]	0.001	0.15	0.02 TP	U.S.
60	Green Beans / Methamidophos [2, 14]	0.001	0.14	0.02 TP	Mexico
61	Green Beans / Methamidophos [2, 16]	0.001	0.072	0.02 TP	Mexico
62	Green Beans / Methamidophos [2, 19]	0.001	0.072	0.02 TP	U.S.
63	Green Beans / Methamidophos [2, 17]	0.001	0.068	0.02 TP	Mexico
64	Green Beans / Methamidophos [2, 18]	0.001	0.064	0.02 TP	Mexico
65	Green Beans / Methamidophos [2, 22]	0.001	0.052	0.02 TP	U.S.
66	Green Beans / Methamidophos [2, 24]	0.001	0.051	0.02 TP	Mexico

	Commodity / Pesticide	Limit of Detection, ppm	Concentration Detected, ppm	EPA Tolerance Level, ppm	Country of Origin
67	Green Beans / Methamidophos [2, 20]	0.001	0.048	0.02 TP	Mexico
68	Green Beans / Methamidophos [2, 21]	0.001	0.047	0.02 TP	Mexico
69	Green Beans / Methamidophos [2, 26]	0.001	0.045	0.02 TP	U.S.
70	Green Beans / Methamidophos [2, 25]	0.001	0.041	0.02 TP	U.S.
71	Green Beans / Methamidophos [2, 27]	0.001	0.033	0.02 TP	Mexico
72	Green Beans / Methamidophos [2, 29]	0.001	0.032	0.02 TP	U.S.
73	Green Beans / Methamidophos [2, 28]	0.001	0.03	0.02 TP	Unknown
74	Green Beans / Tetrahydrophthalimide (THPI) [32]	0.005	0.084	0.05 TP	Mexico
75	Green Beans / Thiamethoxam [31]	0.001	0.071	0.02	Mexico
76	Peaches / Fludioxonil	0.005	24	5.0	U.S.
77	Peaches / Fludioxonil [33]	0.005	10	5.0	Chile
78	Peaches / Fludioxonil [34]	0.005	9	5.0	Chile
79	Peaches / Propiconazole	0.01	4.3	4.0	U.S.
80	Peaches / Pyrimethanil [33]	0.003	18	10	Chile
81	Peaches / Pyrimethanil [34]	0.003	14	10	Chile
82	Peaches / Spinosad	0.004	0.21	0.20	U.S.
83	Pears / Pyrimethanil	0.002	17.9	15	U.S.
84	Winter Squash / Acephate [2, 35]	0.005	0.3	0.02 FF	U.S.
85	Winter Squash / Acephate [2, 36]	0.005	0.16	0.02 FF	U.S.
86	Winter Squash / Acephate [2]	0.005	0.071	0.02 FF	U.S.
87	Winter Squash / Acephate [2]	0.005	0.03	0.02 FF	U.S.
88	Winter Squash / Chlorfenapyr	0.01	0.084	0.01 FF	Honduras
89	Winter Squash / Chlorfenapyr	0.01	0.064	0.01 FF	Honduras
90	Winter Squash / Chlorfenapyr	0.01	0.034	0.01 FF	Honduras
91	Winter Squash / Methamidophos [2, 35]	0.001	0.073	0.02 TP	U.S.
92	Winter Squash / Methamidophos [2, 36]	0.001	0.04	0.02 TP	U.S.

EPA Tolerance Codes:
FF = All food/feed commodities tolerance except those covered by a higher tolerance.
TP = Tolerance is from parent compound.

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 Blueberries, Cultivated, Fresh (7 pesticides)								
Carbendazim (MBC) [37]	692	9	1.3	0.001 - 0.018	0.001	1	8	0
Diflubenzuron	692	1	0.1	0.003	0.002	1	0	0
Fenpropimorph	692	2	0.3	0.003 - 0.004	0.001	0	2	0
Fluvalinate	692	1	0.1	0.051	0.050	1	0	0
Myclobutanil	692	1	0.1	0.086	0.003	0	1	0
Tebuconazole	692	1	0.1	0.098	0.010	0	1	0
Thiacloprid	692	1	0.1	0.061	0.001	0	1	0
2 Broccoli (17 pesticides)								
Atrazine	708	1	0.1	0.002	0.001 - 0.003	0	1	0
Carbendazim (MBC) [37]	708	3	0.4	0.004 - 0.014	0.003	2	1	0
Chlorpropham	708	23	3.2	0.002 - 0.031	0.001 - 0.003	18	5	0
Ethoprop	708	1	0.1	0.005	0.001	1	0	0
Etoxazole	708	1	0.1	0.002	0.001	1	0	0
Famoxadone	708	2	0.3	0.004	0.002 - 0.008	2	0	0
Fluazifop butyl	708	1	0.1	0.002	0.001	0	1	0
Metribuzin	708	1	0.1	0.003	0.002	1	0	0
Norflurazon desmethyl	708	2	0.3	0.002	0.001 - 0.003	2	0	0
Prometon	708	1	0.1	0.002	0.001	0	1	0
Prometryn	708	3	0.4	0.002	0.001	3	0	0
Pronamide (Propyzamide)	708	44	6.2	0.002 - 0.008	0.001 - 0.003	43	1	0
Propiconazole	708	1	0.1	0.022	0.005 - 0.015	1	0	0
Pyrimethanil	708	1	0.1	0.006	0.001	0	1	0
Spirodiclofen	708	3	0.4	0.010 - 0.020	0.006	3	0	0
Tebuconazole	708	1	0.1	0.002	0.001	0	1	0
Thiobencarb	708	1	0.1	0.007	0.003	1	0	0
3 Butter (1 pesticide)								
Ametoctradin	177	1	0.6	0.002	0.001	1	0	0
4 Cantaloupe (1 pesticide)								
Diuron	328	1	0.3	0.004	0.002	0	1	0
5 Carrots (7 pesticides)								
Carbendazim (MBC) [37]	708	1	0.1	0.018	0.010	0	1	0
Ethoprop	708	1	0.1	0.009	0.005	0	1	0
Pentachloroaniline (PCA)	708	4	0.6	0.005 - 0.010	0.005	3	1	0
Propamocarb hydrochloride	708	1	0.1	0.008	0.005	0	0	1
Pyrimethanil	708	3	0.4	0.010 - 0.018	0.005	3	0	0
Tebuconazole	708	2	0.3	0.020 - 0.026	0.015	0	2	0
Terbufos sulfoxide	708	1	0.1	0.027	0.005	0	1	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.
6 Cauliflower (13 pesticides)								
Carbendazim (MBC) [37]	531	1	0.2	0.002	0.001	1	0	0
Chlorpropham	531	10	1.9	0.002 - 0.006	0.001 - 0.003	10	0	0
Fenbuconazole	493	1	0.2	0.003	0.001 - 0.003	1	0	0
Fenpyroximate	531	1	0.2	0.002	0.001	1	0	0
Hexythiazox	531	3	0.6	0.003	0.002	3	0	0
Imazalil	531	1	0.2	0.002	0.001	1	0	0
Norflurazon desmethyl	531	1	0.2	0.002	0.001	1	0	0
Parathion oxygen analog	531	1	0.2	0.003	0.001	1	0	0
Pirimiphos methyl	531	1	0.2	0.005	0.001	1	0	0
Prometryn	531	1	0.2	0.002	0.001	1	0	0
Pronamide (Propyzamide)	531	1	0.2	0.002	0.001	1	0	0
Spirodiclofen	531	2	0.4	0.010	0.006	2	0	0
Thiobencarb	531	3	0.6	0.002 - 0.025	0.001	3	0	0
7 Celery (4 pesticides)								
DCPA	354	2	0.6	0.007 - 0.024	0.005	2	0	0
Fenpropathrin	354	1	0.3	0.008	0.005	0	1	0
Pronamide (Propyzamide)	354	1	0.3	0.005	0.005	1	0	0
Propamocarb	354	1	0.3	0.010	0.010	1	0	0
8 Eggplant (7 pesticides)								
Carbendazim (MBC) [37]	346	1	0.3	0.012	0.010	0	1	0
Chlorpropham	703	5	0.7	0.002 - 0.004	0.001 - 0.010	3	2	0
Dimethoate (parent) [38]	703	1	0.1	0.004	0.001 - 0.010	0	1	0
Omethoate	703	2	0.3	0.016 - 0.019	0.002 - 0.010	1	1	0
Imazalil	703	1	0.1	0.002	0.001 - 0.005	1	0	0
Metaldehyde	346	1	0.3	0.093	0.055	1	0	0
Thiabendazole	703	1	0.1	0.005	0.003 - 0.005	0	1	0
Thiacloprid	703	4	0.6	0.004 - 0.008	0.001 - 0.005	0	4	0
9 Green Beans (23 pesticides)								
Ametryn	700	1	0.1	0.004	0.001	0	1	0
Atrazine	700	14	2	0.001 - 0.010	0.001	12	2	0
Benzovindiflupyr	700	1	0.1	0.002	0.001	1	0	0
Chlorpropham	700	15	2.1	0.001 - 0.036	0.001	10	5	0
Cyproconazole	700	2	0.3	0.002 - 0.004	0.001	1	1	0
Dicrotophos	700	1	0.1	0.003	0.001	1	0	0
Difenoconazole	700	13	1.9	0.002 - 0.040	0.001	6	7	0
Dimethomorph	700	2	0.3	0.006 - 0.012	0.003	1	1	0
Fenpropathrin	700	4	0.6	0.002 - 0.035	0.001	1	3	0
Fipronil (parent) [39]	700	1	0.1	0.009	0.001	0	1	0
Fipronil sulfone (MB46136)	700	1	0.1	0.002	0.001	0	1	0
Fluoxastrobin	700	1	0.1	0.002	0.001	0	1	0
Flutolanil	700	1	0.1	0.019	0.001	1	0	0
Flutriafol	700	14	2	0.002 - 0.027	0.001	11	2	1
Oxamyl	700	1	0.1	0.005	0.005	1	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.
Permethrin Total	700	8	1.1	0.004 - 0.076	0.003	3	5	0
Profenofos	700	4	0.6	0.002 - 0.009	0.001	1	3	0
Pronamide (Propyzamide)	700	1	0.1	0.002	0.001	1	0	0
Propamocarb	700	11	1.6	0.001 - 0.12	0.001	4	7	0
Propargite	700	1	0.1	0.002	0.001	1	0	0
Pymetrozine	700	1	0.1	0.003	0.001	0	1	0
Pyrimethanil	700	2	0.3	0.27 - 0.51	0.005	1	1	0
Thiacloprid	700	1	0.1	0.002	0.001	1	0	0
Tolfenpyrad	700	6	0.9	0.011 - 0.044	0.003	6	0	0
10 Peaches (2 pesticides)								
Chlorpropham	518	5	1	0.005 - 0.024	0.005	4	1	0
Thiabendazole	518	4	0.8	0.013 - 0.031	0.010	1	3	0
11 Pears (2 pesticides)								
Imazalil	707	1	0.1	0.017	0.010	0	1	0
Myclobutanil	707	2	0.3	0.007	0.004	0	2	0
12 Plums (2 pesticides)								
Fenpropimorph	277	1	0.4	0.042	0.001	1	0	0
Thiabendazole	277	4	1.4	0.002 - 0.003	0.002	4	0	0
13 Summer Squash (6 pesticides)								
Endrin	698	7	1	0.003 - 0.018	0.003 - 0.005	1	6	0
Forchlorfenuron	698	4	0.6	0.002 - 0.003	0.001	1	3	0
Pendimethalin	698	5	0.7	0.001 - 0.002	0.001 - 0.005	0	5	0
Pronamide (Propyzamide)	698	1	0.1	0.006	0.001 - 0.005	1	0	0
Quinoxyfen	698	7	1	0.002 - 0.005	0.001	5	2	0
Quintozene (PCNB) (parent) [40]	698	2	0.3	0.005 - 0.009	0.001 - 0.005	2	0	0
Pentachloroaniline (PCA)	698	12	1.7	0.001 - 0.010	0.001 - 0.005	8	3	1
Pentachlorobenzene (PCB)	698	2	0.3	0.007 - 0.008	0.001 - 0.002	2	0	0
14 Sweet Bell Peppers (4 pesticides)								
Chlorpropham	328	4	1.2	0.005 - 0.023	0.005	2	2	0
Fipronil	328	1	0.3	0.013	0.005	0	1	0
Pyrimethanil	319	1	0.3	0.003	0.003	0	1	0
Triflumizole	319	2	0.6	0.006 - 0.008	0.003	0	2	0
15 Tangerines (1 pesticide)								
Flutriafol	531	1	0.2	0.002	0.002	0	1	0
16 Winter Squash (8 pesticides)								
Chlorpropham	706	41	5.8	0.001 - 0.018	0.001	7	33	1
Endrin	706	9	1.3	0.003 - 0.014	0.003	0	9	0
Hexythiazox	706	1	0.1	0.001	0.001	1	0	0
Omethoate	706	1	0.1	0.006	0.001	1	0	0
Pendimethalin	706	4	0.6	0.002 - 0.007	0.001	4	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.
Pentachloroaniline (PCA)	706	7	1	0.001 - 0.006	0.001	5	2	0
Propiconazole	706	2	0.3	0.001	0.001	2	0	0
Pyridalyl	706	2	0.3	0.003 - 0.009	0.001	1	1	0

NOTES

1 Includes cyhalothrin lambda plus its R157836 epimer.
2 Food Handling Estabilishment (FHE) tolerance of 0.02 ppm was applied to both acephate and its metabolite/degradate methamidophos.
3 Green Bean sample had 3 tolerance exceeders: acephate and its methamidophos metabolite and buprofezin.
4 Green Bean sample had 4 tolerance exceeders: acephate and its methamidophos metabolite, buprofezin, and dinotefuron.
5 Green Bean sample had 3 tolerance exceeders: acephate and its methamidophos metabolite and dinotefuron.
6 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
7 Green Bean sample had 3 tolerance exceeders: acephate and its methamidophos metabolite and dinotefuron.
8 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
9 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
10 Green Bean sample had 3 tolerance exceeders: acephate and its methamidophos metabolite and buprofezin.
11 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
12 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
13 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
14 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
15 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
16 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
17 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
18 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
19 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
20 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
21 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
22 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
23 Green Bean sample had 2 tolerance exceeders: acephate and dinotefuron.
24 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
25 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
26 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
27 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
28 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
29 Green Bean sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
30 Clothianidin as also a metabolite of thiamethoxam.
31 Green Bean sample had 2 tolerance exceeders: thiamethoxam and its clothianidin metabolite.
32 Tetrahydrophthalimide (THPI) is a metabolite of captafol and captan.
33 Peach sample had 2 tolerance exceeders: fludioxonil and pyrimethanil.
34 Peach sample had 2 tolerance exceeders: fludioxonil and pyrimethanil.
35 Winter squash sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
36 Winter squash sample had 2 tolerance exceeders: acephate and its methamidophos metabolite.
37 Carbendazim (MBC) is a metabolite of benomyl and thiophanate methyl.
38 One eggplant sample contained both dimethoate and its omethoate metabolite.
39 One green bean sample contained both fipronil and its sulfone metabolite.
40 Two summer squash samples contained quintozene along with its PCA and PCB metabolites.

^ When a range is not listed, only one distinct detected concentration or LOD value was reported for the pesticide/commodity pair.

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 2021

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