

PDP Database Search Application – User Guide

December 2022

Overview

The Pesticide Data Program (PDP) Database Search Application allows the generation of customized data sets from all pesticide residue data points released to date by PDP. You can select any or all the years in which PDP data have been published (from 1994 to present) and search for specific commodities or pesticides.

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A. How to Search for Data

1. The PDP Database Search Application is launched by clicking either the “PDP Database Search” link or the big, green [Search PDP Data] button on any of the PDP Web pages.
2. A search is done by selecting all or specific values from three criteria elements – commodities, pesticides, and report years – then selecting one of five output preferences, as seen in the screenshot below. The data returned by the search can be exported to an Excel/CSV file. Click the [New Search] tab/button at top at any time to start a new search.

The screenshot shows the 'PDP Database Search' interface. At the top is the USDA logo and 'United States Department of Agriculture Agricultural Marketing Service'. Below this is a navigation bar with buttons: 'New Search', 'PDP Website', 'About PDP', 'Commodity History', 'Pesticide History', 'Lookup Tables', 'Data Dictionary (pdf)', 'User Guide (pdf)', 'Help', and 'Contact Us'. The main section is titled 'PDP Database Search'. It contains three columns of checkboxes for selection: 'Check All Commodities', 'Check All Pesticides', and 'Check All years'. The 'Check All Commodities' column lists items like Almonds, Apple Juice, Apple Sauce, Apples, Apples-Single Servings, Asparagus, Asparagus, Canned, and Avocado. The 'Check All Pesticides' column lists chemical names like 1,2,4-Triazole, 1-Naphthol, 2,3,5-Trimethacarb, 2,4,5-T, 2,4,5-TP, 2,4-D, 2,4-DB, and 2,4-dimethyl aniline (2,4 DMA). The 'Check All years' column lists years from 2021 down to 2014. To the right of these columns are two dropdown menus: 'Output Preference' (set to 'Analytical Results') and 'Results Preference' (set to 'Positive Detects Only'). A blue 'Search' button is located below these dropdowns.

3. Click a check-mark next to Check All Commodities to include ALL commodities/products ever tested by PDP in the search, as seen in the screenshot below.

PDP Database Search

☒ Check All Commodities

4. Leave the check-mark box empty next to Check All Commodities and then click check-marks next to one or more of the listed commodities to include selected commodities/products in the search. For example, the screenshot below shows only fresh and canned Asparagus selected for the search. Use the scrollbar at the right side of the commodity list to move up and down the list.

PDP Database Search

☐ Check All Commodities

☐ Almonds
☐ Apple Juice
☐ Apple Sauce
☐ Apples
☐ Apples-Single Servings
☒ Asparagus
☒ Asparagus, Canned
☐ Avocado

5. Click a check-mark next to Check All Pesticides to include ALL pesticides/compounds ever tested by PDP in the search, as seen in the screenshot below.

☒ Check All Pesticides

6. Leave the check-mark box empty next to Check All Pesticides and then click check-marks next to one or more of the listed pesticides to include selected pesticides/compounds in the search. For example, the screenshot below shows only 2,4-D selected for the search. Use the scrollbar at the right side of the pesticide list to move up and down the list.

☐ Check All Pesticides

☐ 1,2,4-Triazole
☐ 1-Naphthol
☐ 2,4,5-T
☐ 2,4,5-TP
☒ 2,4-D
☐ 2,4-DB
☐ 2,4-dimethyl aniline (2,4 DMA)

7. Click a check-mark next to Check All Years to include ALL calendar-year surveys ever published by PDP in the search, as seen in the screenshot below.

☒ Check All years

8. Leave the check-mark box empty next to Check All Years and then click check-marks next to one or more of the listed years to include selected calendar-year surveys in the search. For example, the screenshot below shows only 2019 (the latest survey published) selected for the search. Use the scrollbar at the right side of the year list to move up and down the list.

☐ Check All years

☒ 2020

☐ 2019

☐ 2018

9. Only one Output Preference can be selected for the search. By default, the selected Output Preference is “Analytical Results”, with a secondary Results Preference of “Positive Detects Only”. This means that the search will return individual positive residue detections for the selected criteria with an emphasis on a laboratory analysis. The Output and Results Preferences are described in the steps below.

Output Preference

Analytical Results

Results Preference

Positive Detects Only

Search

10. Click the down-arrow at the right side of the Output Preference drop-down list and then click on one of the five options, as seen in the screenshot below.

Output Preference

Analytical Results
Sample/Results
Summary of Findings
Summary of Findings by Origin
Summary of Findings by Claim

Search

Output Preferences:

Analytical Results - Shows individual Residue Results with emphasis on Analytical methods.

Sample/Results - Shows individual Residue Results with emphasis on Sample Origin/Type/Claim data.

Summary of Findings - Shows a summary of Residue findings for specified Commodity/Pesticide Pair(s), including the total number of samples analyzed, the number and percentage of samples with detections, and the range of those detections.

Summary of Findings by Origin - Shows a summary of Residue findings for specified Commodity/Pesticide Pair(s) separated by distinct Country of ORIGIN.

Summary of Findings by Claim - Shows a summary of Residue findings for specified Commodity/Pesticide Pair(s) separated by distinct CLAIM on product, such as Organic or Pesticide-Free.

11. If either the “Analytical Results” or “Sample/Results” Output Preference is selected, the Results Preference selection list is displayed. The three Summary Output Preferences do not need a Results Preference, so the selection list is not displayed for those options. Click the down-arrow at the right side of the Results Preference drop-down list and then click on one of the three options, as seen in the screenshot below.

Output Preference

Sample/Results

Results Preference

Positive Detects Only

All Positive Detects + Non-Detects

Presumptive Tolerance Violations Only

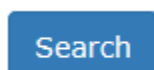
Results Preferences:

Positive Detects Only - Shows only positive residue detections for the selected criteria. This means that a residue was detected for that pesticide in the tested sample.

All Positive Detects + Non-Detects - Shows both positive residue detections and all non-detect records for the selected criteria. A non-detect means that the pesticide was tested, but a residue was not detected for that pesticide in the tested sample.

Presumptive Tolerance Violations Only - Shows only positive residue detections that were reported to FDA as Presumptive Tolerance Violations (PTVs) because the residue detection exceeded the established EPA Tolerance level or there was no Tolerance established for the commodity/pesticide pair.

12. Click the blue [Search] button to launch the search for the selected criteria.



B. How to View Data Returned by Search

- The data that meet the search criteria will be displayed on the screen based on the selected Output Preference. For example, the screenshot below shows “Analytical Results” data for “Presumptive Tolerance Violations Only” in 2020.

Analytical Results															
Sample ID#	Com	Pest Code	Pest Name	Tst	Concen	LOD	pp_	Co1	Co2	Ann	Qua	Mea	Ext	Det	Tol (ppm)
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NY2001280071PPFL1	PP	967	Imidacloprid	A	1.6	0.01	M	LU		X		O	805	52	1.0
NY2001280071PPFL1	PP	AEL	Cyhalothrin, Total	O	0.97	0.0075	M	GT		X		O	805	35	0.20
NY2004280142PPFL1	PP	114	Chlorpropham	E	0.0053	0.005	M	GT		V		O	805	35	NT
NY2007280142PPFL1	PP	114	Chlorpropham	E	0.006	0.005	M	GT		V		O	805	35	NT
WA2004200038PPFL1	PP	114	Chlorpropham	E	0.0053	0.005	M	GT		V		O	805	35	NT
FL2003090056RDFL1	RD	AHT	Fluopicolide	A	0.28	0.01	M	LU		X		O	805	52	0.15
MI2001140084RDFL1	RD	ADG	Indoxacarb	I	0.013	0.01	M	LU		V		O	805	52	NT

2. Use the scrollbar at the right side of the data set or use the scroll wheel on the mouse to move up and down the displayed data set.
3. To see the total number of records returned by the search, scroll down to the bottom of data set using the Window scrollbar at far right (outside the table) until the “View 1 - # of #” status is displayed at the bottom right of the output data screen, as seen in the screenshot below. For example, the screenshot below shows 93 total records returned for all positive detections in Asparagus in 2017.

FL1707240020ASWA1	AS	129	Linuron	A	0.024	0.008	M	LU				O	805	52	7
FL1707240089ASWA1	AS	159	Methomyl	E	0.035	0.03	M	LU				O	805	52	2
NY1707310270ASWA1	AS	129	Linuron	A	0.011	0.008	M	LU				O	805	64	7
OH1707240100ASWA1	AS	129	Linuron	A	0.03	0.008	M	LU				O	805	52	7
OH1711200419ASWA1P	AS	129	Linuron	A	0.044	0.008	M	LU				O	805	64	7
WA1711270002ASWA1	AS	159	Methomyl	E	0.43	0.03	M	LU				O	805	64	2
WA1711270008ASWA1	AS	151	Trifluralin	A	0.0014	0.001	M	CT				O	805	35	0.05

Export to Excel

View 1 - 93 of 93

AMS | USDA | FOIA | Accessibility | Plain Language | Quality of Information | Privacy | Nondiscrimination | USA.gov | Whitehouse.gov

4. To filter the displayed data set for a specific value, type the value in the white box directly below the column name and press <Enter> on the keyboard. For example, the screenshot below shows that when “carbo” was typed in the white box for the Pest Name (pesticide name) column and <Enter> pressed, the data set is filtered to show only the results for Carbofuran and 4-Hydroxycarbofuran. Click the “X” at the far right side of the filtered column to remove the filter so that the original data set is shown again, with all records that meet the original search criteria shown.

Pest Code	Pest Name	Tst
<input type="checkbox"/> x	<input type="text" value="carbo"/> X <input type="checkbox"/> x	<input type="checkbox"/> x
180	Carbofuran	E
180	Carbofuran	E
180	Carbofuran	E
180	Carbofuran	E
512	3-Hydroxycarbofur	E
512	3-Hydroxycarbofur	E

5. To see the full value when the column is not wide enough, move the mouse cursur over the value to see a pop-up box showing the full value. For example, the screenshot below shows a cut-off pesticide name that shows “3-Hydroxycarbofuran” in a pop-up box when the mouse is moved over the value.

Sample ID#	Com	Pest Code	Pest Name	Tst	Concen	LOD
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
NY1510200077CZMI1U	CZ	512	3-Hydroxycarbofur	E	0.0043	0.002
NY1510200226CZMI1P	CZ	512	3-Hydroxycarbofur	E	0.003	0.002
CO1508100012GBTX1	GB	512	3-Hydroxycarbofur	E	0.0083	0.002

- A column can be widened temporarily by click-and-dragging the column separator line at the right of the column name.

C. How to Export Data to Excel/CSV File

- To export the displayed data set to an Excel file stored as a CSV (comma-separated values) file, scroll down to the bottom of data set using the Window scrollbar at far right (outside the table) until the “Export to Excel” option is displayed at the bottom left of the output data screen, as seen in the screenshot below.

CA1502090230SPNY1	SP	151	Trifluralin	A	0.0048	0.001	M	GT	V	O	805	35	NT
CA1502090539SPNY1	SP	178	Omethoate	C	0.011	0.0024	M	LU	V	O	805	52	NT

Export to Excel View 1 - 505 of 505

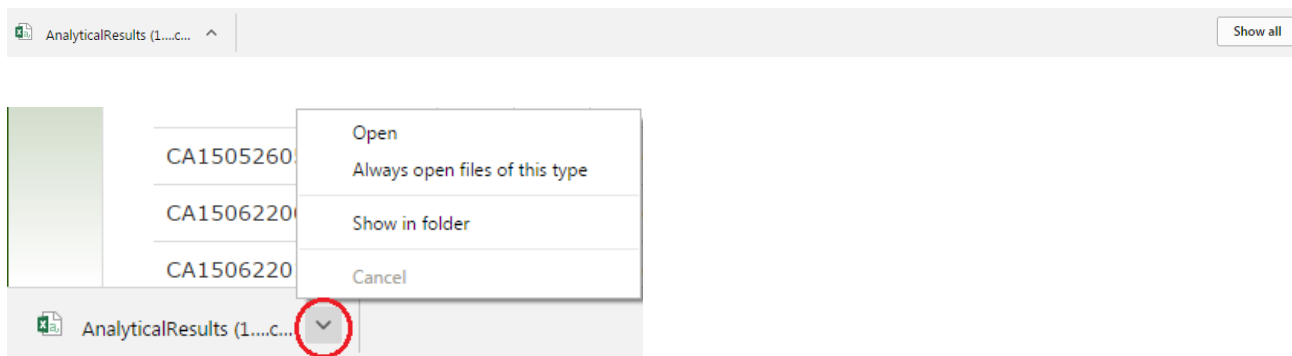
AMS | USDA | FOIA | Accessibility | Plain Language | Quality of Information | Privacy | Nondiscrimination | USA.gov | Whitehouse.gov

- Click on [Export to Excel].
- In the IE browser, an open/save box will appear as seen in the first screenshot below. Click [Open] to open the data set in an Excel file (or whatever the default application is for a CSV file). Or Click [Save] to save the file to the local computer – the second screenshot below will appear - either click [Open] to open the data set in Excel, click [Open folder] to open the folder where the file was saved, or click [View downloads] to see all files downloaded in the browser.

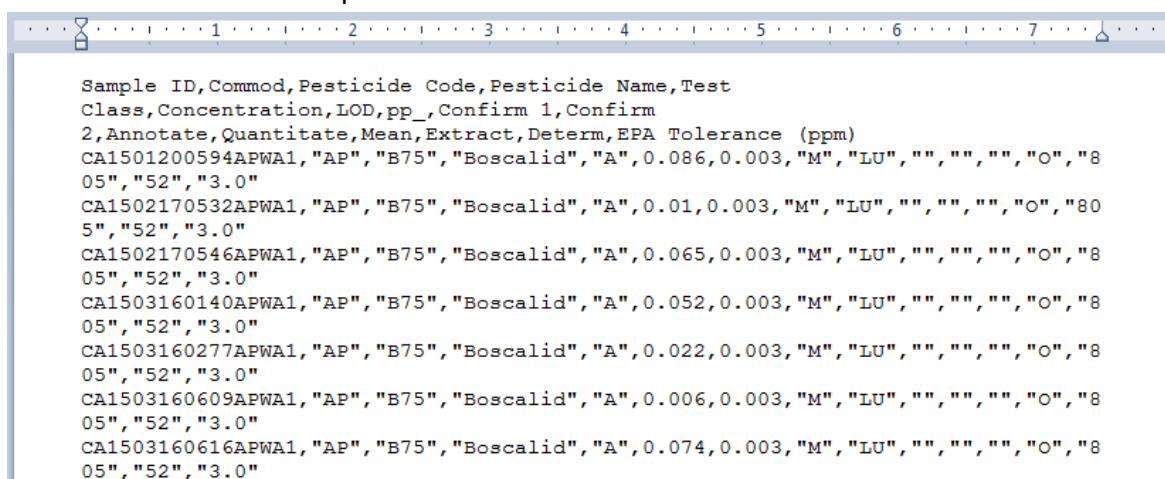
Do you want to open or save **AnalyticalResults.csv** (13.5 KB) from **apps.ams.usda.gov**? Open Save Cancel ×

The AnalyticalResults (11).csv download has completed. Open Open folder View downloads ×

- In the Google Chrome browser, a download bar will show at bottom with the file shown at left and the [Show All] button shown at right, as seen in the first screenshot below. Click the down-arrow at the right of the filename, then click “Open” on the pop-up menu to open the data set in Excel (or whatever the default application is for a CSV file) or click “Show in folder” to open the folder where the file was saved, as seen in the second screenshot below. Click [Show all] to see all files downloaded in the browser.



- The exported/downloaded CSV file can be imported into a database management system or statistical software package. The screenshot below shows what the CSV file looks like for the “Analytical Results” data set when the file is opened in WordPad.



- The exported/downloaded CSV file can be opened in Excel and then can be saved as an Excel (.xls or .xlsx) spreadsheet file. The screenshot below shows what the CSV file looks like for the “Analytical Results” data set when the file is opened in Excel.

AnalyticalResults (13).csv - Excel

Sample ID	Commod	Pesticide	Pesticide	Test Class	Concentra	LOD	pp_	Confirm 1	Confirm 2	Annotate	Quantitate	Mean	Extract	Determ	EPA Tolerance (ppm)
CA150120	AP	B75	Boscalid	A	0.086	0.003	M	LU				O	805	52	3
CA150217	AP	B75	Boscalid	A	0.01	0.003	M	LU				O	805	52	3
CA150217	AP	B75	Boscalid	A	0.065	0.003	M	LU				O	805	52	3
CA150316	AP	B75	Boscalid	A	0.052	0.003	M	LU				O	805	52	3
CA150316	AP	B75	Boscalid	A	0.022	0.003	M	LU				O	805	52	3
CA150316	AP	B75	Boscalid	A	0.006	0.003	M	LU				O	805	52	3
CA150316	AP	B75	Boscalid	A	0.074	0.003	M	LU				O	805	52	3

D. Example Search for Analytical Results

- SEARCH: Look for all positive residue detections for Azoxystrobin in Cranberries across all years tested, with an emphasis on analytical methods.

2. Click the [New Search] tab at top, then select the search criteria and output preferences as follows and as seen on the screenshot below:
 - a) Leave the check-mark box empty next to “Check All Commodities”. Instead, scroll down and click check-marks next to the “Cranberries” (fresh), “Cranberries, Canned”, and “Cranberries, Frozen”.
 - b) Leave the check-mark box empty next to “Check All Pesticides”. Instead, scroll down and click a check-mark next to “Azoxystrobin”.
 - c) Click a check-mark next to “Check All Years”.
 - d) Leave the default “Analytical Results” selected for the Output Preference.
 - e) Leave the default “Positive Detects Only” selected for the Results Preference.
 - f) Click the [Search] button.

The screenshot shows the 'PDP Database Search' form. At the top is a navigation bar with tabs: New Search, PDP Website, About PDP, Commodity History, Pesticide History, Lookup Tables, Data Dictionary (pdf), User Guide (pdf), Help, and Contact Us. The 'New Search' tab is active.

The search criteria section includes:

- ☐ Check All Commodities
- ☐ Check All Pesticides
- ☒ Check All years

Under 'Check All Commodities', the following are checked:

- ☒ Cranberries
- ☒ Cranberries, Canned
- ☒ Cranberries, Frozen

Under 'Check All Pesticides', the following are checked:

- ☒ Azoxystrobin

Under 'Check All years', the following are checked:

- ☒ 2020
- ☒ 2019
- ☒ 2018
- ☒ 2017
- ☒ 2016
- ☒ 2015
- ☒ 2014

On the right, the 'Output Preference' is set to 'Analytical Results' and the 'Results Preference' is set to 'Positive Detects Only'. A blue 'Search' button is at the bottom right.

3. The search returns 177 rows, as seen in the screenshot below. Column definitions are provided below the screenshot:

The screenshot shows a table titled 'Analytical Results' with 177 rows. The first few rows are visible, showing data for Azoxystrobin. The table has the following columns: Sample ID#, Com, Pest Code, Pest Name, Tst, Concen, LOD, pp_, Co1, Co2, Ann, Qua, Mea, Ext, Det, Tol (ppm).

Sample ID#	Com	Pest Code	Pest Name	Tst	Concen	LOD	pp_	Co1	Co2	Ann	Qua	Mea	Ext	Det	Tol (ppm)
WA0610230004CAMI1	CA	B48	Azoxystrobin	F	0.0051	0.0001	M	LT			PM	O	805	62	0.50
WA0611130001CACA1	CA	B48	Azoxystrobin	F	0.0008	0.0005	M	LT			SM	O	556	62	0.50
WA0611200004CACA1	CA	B48	Azoxystrobin	F	0.0037	0.0005	M	LT			SM	O	556	62	0.50
WA0611200010CACA1	CA	B48	Azoxystrobin	F	0.0008	0.0005	M	LT			SM	O	556	62	0.50
WA0612040033CACA1P	CA	B48	Azoxystrobin	F	0.0008	0.0005	M	LT			SM	O	556	62	0.50
WA0612180004CAMI1P	CA	B48	Azoxystrobin	F	0.0018	0.0001	M	LT			PM	O	805	62	0.50
WI0610160114CAMI1	CA	B48	Azoxystrobin	F	0.0011	0.0001	M	LT			PM	O	805	62	0.50
WI0610160123CAMI1	CA	B48	Azoxystrobin	F	0.0002	0.0001	M	LT			PM	O	805	62	0.50
WI0611200101CAMI1	CA	B48	Azoxystrobin	F	0.0054	0.0001	M	LT			PM	O	805	62	0.50
WI0611200118CAMI1	CA	B48	Azoxystrobin	F	0.0011	0.0001	M	LT			PM	O	805	62	0.50
WI0611200124CAMI1	CA	B48	Azoxystrobin	F	0.0028	0.0001	M	LT			PM	O	805	62	0.50
WI0612110123CAMI1	CA	B48	Azoxystrobin	F	0.0013	0.0001	M	LT			PM	O	805	62	0.50
WI0612180118CAMI1	CA	B48	Azoxystrobin	F	0.0012	0.0001	M	LT			PM	O	805	62	0.50
WI0612180124CAMI1	CA	B48	Azoxystrobin	F	0.0054	0.0001	M	LT			PM	O	805	62	0.50

At the bottom of the table, there is a search icon, a link to 'Export to Excel', and a page indicator 'View 1 - 177 of 177'.

Analytical Results data set columns:

Sample ID# - PDP Sample ID (unique sample identifier) - combination of 2-letter Collection State code, 2-digit Year, 2-digit Month, 2-digit Day, 4-digit Collection Site code, 2-letter Commodity code, 3-character Analyzing Lab code, and optional 1-letter Source ID code.

Com - Commodity Code (2-letters) for product collected. Example: AP=Apples

Pest Code - FDA/PDP Pesticide Code (3-characters) for compound tested. Example: 011=Captain

Pest Name - Pesticide/compound Name

Tst - Code for Test Classification. Example: O=Pyrethroids

Concen - Concentration of residue detected. Zero (0) for non-detect.

LOD - Limit of Detection for pesticide/commodity pair

pp_ - Concentration/LOD unit of measure (M=parts-per-million, B=pp-billion, T=pp-trillion)

Co1 - Code for primary Confirmation method (1- or 2-letters). Example: LU=LC-MS/MS-triple quad

Co2 - Code for secondary Confirmation method (1- or 2-letters)

Ann - Code for Annotated Information (1- or 2-letters). Example: Q=Below Quantifiable Level

Qua - Code for Quantitative method (1- or 2-letters). Example: E=Estimate

Mea - Code for Mean Result finding (1- or 2-letters). Examples: ND=Non-Detect

Ext - Code for Extraction method (3-digits). Example: 805=MDA Modified QuEChERS Method

Det - Code for Determinative method (2-digits). Example: 35=GC/MS/MS - triple quadrupole

Tol (ppm) - Established EPA Tolerance Level for pesticide/commodity pair in parts-per-million (ppm).
Examples: 1.0 = 1.0 ppm, NT=No Tolerance; AL=FDA Action Level

E. Example Search for Sample/Results

1. SEARCH: Look for all presumptive tolerance violations for all pesticides in Sweet Potatoes for the last 3 years tested, with an emphasis on sample identity/origin.
2. Click the [Commodity History] tab at top, then scroll down to find the row for “Sweet Potatoes”, and note that the last 3 years that they were tested was in 2016, 2015, and 2010, as seen below.

[New Search](#)
[PDP Website](#)
[About PDP](#)
[Commodity History](#)
[Pesticide History](#)
[Lookup Tables](#)
[Data Dictionary \(pdf\)](#)
[User Guide \(pdf\)](#)
[Help](#)
[Contact Us](#)

Commodity History – Number of samples analyzed for each commodity

Commodity Name	Code	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sweet Potatoes	SW			177	701	532						553

3. Click the [New Search] tab at top, then select the search criteria and output preferences as follows and as seen on the screenshot below:
 - a) Leave the check-mark box empty next to “Check All Commodities”. Instead, scroll down and click a check-mark next to “Sweet Potatoes”.
 - b) Click a check-mark next to “Check All Pesticides”.
 - c) Leave the check-mark box empty next to “Check All Years”. Instead, click check-marks next to 2018, 2017, and 2016.
 - d) Select “Sample/Results” in the Output Preference drop-down list.
 - e) Select “Presumptive Tolerance Violations Only” in the Results Preference drop-down list.
 - f) Click the [Search] button.

[New Search](#)
[PDP Website](#)
[About PDP](#)
[Commodity History](#)
[Pesticide History](#)
[Lookup Tables](#)
[Data Dictionary \(pdf\)](#)
[User Guide \(pdf\)](#)
[Help](#)
[Contact Us](#)

PDP Database Search

☐ Check All Commodities
 ☒ Check All Pesticides
 ☐ Check All years

☐ Sweet Corn, Frozen
☐ Sweet Peas, Canned
☐ Sweet Peas, Frozen
☒ Sweet Potatoes
☐ Tangerines
☐ Tomato Paste
☐ Tomatoes

☒ 1,2,4-Triazole
☒ 1-Naphthol
☒ 2,3,5-Trimethacarb
☒ 2,4,5-T
☒ 2,4,5-TP
☒ 2,4-D
☒ 2,4-DB

☐ 2020
☐ 2019
☒ 2018
☒ 2017
☒ 2016
☐ 2015
☐ 2014

Output Preference
 Sample/Results

Results Preference
 Presumptive Tolerance Violatio

Search

4. The search returns 29 rows, as seen in the screenshot below. Column definitions are provided below the screenshot:

Sample/Results																	
Sample ID#	Com	Pesticide Name	Concen	LOD	pp	Ann	Mea	Type	Variety	Cln	Fac	Ori	Coun	Sta	Qty	Tol (ppm)	
<input type="text"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CA1803260633SWMI1	SW	Piperonyl butoxide	0.26	0.015	M	X	O	FR	Sweet Po	NC	T		1	CA	12	0.25	
OH1701170426SWMI1	SW	Chlorpropham	0.029	0.02	M	V	O	FR	Na	NC	L		1	NC	20	NT	
OH1707240422SWMI1	SW	Chlorpropham	0.024	0.02	M	V	O	FR	Na	NC	L		1	TX	12	NT	
OH1712180304SWMI1	SW	Chlorpropham	0.027	0.02	M	V	O	FR	Na	NC	R		1	CA	18	NT	
FL1701090055SWMI1	SW	Permethrin cis	0.095	0.02	M	V	O	FR	Covington	NC	D		1	NC	8	NT	
NY1707310270SWMI1	SW	Permethrin cis	0.04	0.02	M	V	O	FR	Covington	NC	D		1	NY	4	NT	
CA1712180472SWMI1	SW	Deltamethrin (incl	0.12	0.12	M	X	O	FR	Na	NC	H		1	CA	3	0.05	
FL1701090055SWMI1	SW	Permethrin trans	0.12	0.01	M	V	O	FR	Covington	NC	D		1	NC	8	NT	
NY1707310270SWMI1	SW	Permethrin trans	0.027	0.01	M	V	O	FR	Covington	NC	D		1	NY	4	NT	
MI1612190018SWMI1	SW	Deltamethrin (incl	0.13	0.12	M	X	O	FR	NA	NC	D		1	NC	11	0.04	
CA1605160564SWMI1	SW	Piperonyl butoxide	18	0.015	M	X	O	FR	Red	NC	D		1	CA	8	10	
MD1604270001SWMI1	SW	Bifenthrin	0.088	0.01	M	X	O	FR	Sweet Po	NC	D		1	LA	7	0.05	
MD1605250001SWMI1	SW	Bifenthrin	0.084	0.01	M	X	O	FR	N/A	NC	D		1	LA	5	0.05	
TX1610170421SWMI1	SW	Cyazofamid	0.054	0.02	M	X	O	FR	Sweet Po	NC	D		1	LA	10	0.02	

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Sample/Results data set columns:

Sample ID# - PDP Sample ID (unique sample identifier) - combination of 2-letter Collection State code, 2-digit Year, 2-digit Month, 2-digit Day, 4-digit Collection Site code, 2-letter Commodity code, 3-character Analyzing Lab code, and optional 1-letter Source ID code.

Com - Commodity Code (2-letters) for product collected. Example: AP=Apples

Pesticide Name - Pesticide/compound Name

Concen - Concentration of residue detected. Zero (0) for non-detect.

LOD - Limit of Detection for pesticide/commodity pair

pp - Concentration/LOD unit of measure (M=parts-per-million, B=pp-billion, T=pp-trillion)

Ann - Code for Annotated Information (1- or 2-letters). Example: Q=Below Quantifiable Level

Mea - Code for Mean Result finding (1- or 2-letters). Examples: ND=Non-Detect

Type - Code for commodity or package/container type (2-letters). Examples: FR=fresh, CA=canned

Variety - Variety/class of the product collected

Clm - Code for claim made on product (2-letters). Examples: PO=Organic, NC=No Claim

Fac - Code for type of collection/distribution facility (1-letter). Examples: T=Terminal Market

Origin - Code indicating sample origin (1=U.S./domestic, 2=imported, 3=unknown)

Country - Country of origin if the sample was imported

State - State code for location of origin (grower, packer, or distributor) if sample is domestic

Qty - Number of individual units in sample for select non-clustered products

Tol (ppm) - Established EPA Tolerance Level for pesticide/commodity pair in parts-per-million (ppm).

Examples: 1.0 = 1.0 ppm, NT=No Tolerance; AL=FDA Action Level

F. Example Search for Summary of Findings

1. SEARCH: Look for residue distribution summaries for Methoxyfenozide in all commodities in 2020.
2. Click the [New Search] tab at top, then select the search criteria and output preference as follows and as seen on the screenshot below:
 - a) Click a check-mark next to “Check All Commodities”.
 - b) Leave the check-mark box empty next to “Check All Pesticides”. Instead, scroll down and click a check-mark next to “Methoxyfenozide”.
 - c) Leave the check-mark box empty next to “Check All Years” and just click a check-mark next to 2020.
 - d) Select “Summary of Findings” in the Output Preference drop-down list. Note that the Results Preference selection box then disappears.
 - e) Click the [Search] button.

The screenshot shows the 'PDP Database Search' interface. At the top is a navigation bar with tabs: 'New Search', 'PDP Website', 'About PDP', 'Commodity History', 'Pesticide History', 'Lookup Tables', 'Data Dictionary (pdf)', 'User Guide (pdf)', 'Help', and 'Contact Us'. The 'New Search' tab is active. Below the navigation bar, the search criteria are set as follows: 'Check All Commodities' is checked, 'Check All Pesticides' is unchecked, and 'Check All years' is unchecked. Under 'Check All Commodities', a list of commodities is shown with 'Methoxyfenozide' selected. Under 'Check All Pesticides', a list of pesticides is shown with 'Methoxyfenozide' selected. Under 'Check All years', a list of years is shown with '2020' selected. On the right, the 'Output Preference' dropdown menu is set to 'Summary of Findings'. A 'Search' button is located below the dropdown menu.

3. The search returns 18 rows, as seen in the screenshot below. Column definitions are provided below the screenshot:

Summary of Findings										
Pesticide Name	Commodity	# of Samples Analyzed	# of Samples W/Detects	% of Samples W/Detects	Min Detect	Max Detect	Range of LODs	Unit pp_	Tol (ppm)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Methoxyfenozide	Apple Juice	724	19	2.6	0.0017	0.009	0.001	M	2.0	
Methoxyfenozide	Blueberries, Cultivated	168	2	1.2	0.0043	0.016	0.0033	M	3.0	
Methoxyfenozide	Blueberries, Frozen	7	0				0.0033	M	3.0	
Methoxyfenozide	Broccoli	675	8	1.2	0.0017	0.12	0.001 - 0.003	M	7.0	
Methoxyfenozide	Cantaloupe	694	0				0.0033	M	0.3	
Methoxyfenozide	Carrots	499	0				0.02	M	0.90	
Methoxyfenozide	Cauliflower	692	1	0.1	0.0017	0.0017	0.001	M	7.0	
Methoxyfenozide	Collard Greens	514	66	12.8	0.0034	5.7	0.0033	M	30	
Methoxyfenozide	Eggplant	661	8	1.2	0.0046	0.017	0.003 - 0.02	M	2.0	
Methoxyfenozide	Green Beans	177	12	6.8	0.0027	0.098	0.0025	M	1.5	
Methoxyfenozide	Kiwi Fruit	177	0				0.01	M	NT	
Methoxyfenozide	Orange Juice	499	0				0.0025	M	3.0	
Methoxyfenozide	Radishes	689	9	1.3	0.021	0.17	0.01	M	0.90	
Methoxyfenozide	Summer Squash	176	1	0.6	0.0043	0.0043	0.002 - 0.0025	M	0.3	

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Summary of Findings data set columns:

Pesticide Name - Pesticide/compound Name

Commodity - Commodity/product Name

of Samples Analyzed - Number of samples analyzed for the Pesticide/Commodity pair

of Samples W/Detects - Number of samples that had positive detections for the Pesticide/Commodity pair

% of Samples W/Detects - Percentage of samples that had positive detections for the Pesticide/Commodity pair

Min Detect - Minimum positive residue detection for the Pesticide/Commodity pair

Max Detect - Maximum positive residue detection for the Pesticide/Commodity pair

Range of LODs - Range of Limits-of-Detection (LODs) for the Pesticide/Commodity pair

Unit pp_ - Concentration/LOD unit of measure (M=parts-per-million, B=pp-billion, T=pp-trillion)

Tol (ppm) - Established EPA Tolerance Level for pesticide/commodity pair in parts-per-million (ppm).

Examples: 1.0 = 1.0 ppm, NT=No Tolerance; AL=FDA Action Level

G. Example Search for Summary of Findings by Origin

1. SEARCH: Look for residue distribution summaries for all pesticides in Peaches in the last 2 years tested, broken down by country of origin.
2. Click the [Commodity History] tab at top, then scroll down to find the row for "Peaches", and note that the last 2 years that Peaches were tested was in 2015 and 2014, as seen in the screenshot below.

New Search	PDP Website	About PDP	Commodity History	Pesticide History	Lookup Tables	Data Dictionary (pdf)	User Guide (pdf)	Help	Contact Us
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Commodity History – Number of samples analyzed for each commodity

Commodity Name...	Code...	2017...	2016...	2015...	2014...	2013...	2012...	2011...	2010...	2009...	2008...
Peaches	PC			362	707	285					616

3. Click the [New Search] tab at top, then select the search criteria and output preference as follows and as seen on the screenshot below:
 - a) Leave the check-mark box empty next to “Check All Commodities”. Instead, scroll down and click a check-mark next to “Peaches”.
 - b) Click a check-mark next to “Check All Pesticides”.
 - c) Leave check-mark box empty next to “Check All Years” and click check-marks next to 2015 and 2014.
 - d) Select “Summary of Findings by Origin” in the Output Preference drop-down list. Note that the Results Preference selection box then disappears.
 - e) Click the [Search] button.

New Search	PDP Website	About PDP	Commodity History	Pesticide History	Lookup Tables	Data Dictionary (pdf)	User Guide (pdf)	Help	Contact Us
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PDP Database Search

☐ Check All Commodities
 ☒ Check All Pesticides
 ☐ Check All years

☐ Oranges
☐ Papaya
☒ Peaches
☐ Peaches, Canned
☐ Peaches-Single Servings
☐ Peanut Butter

☒ 1,2,4-Triazole
☒ 1-Naphthol
☒ 2,4,5-T
☒ 2,4,5-TP
☒ 2,4-D
☒ 2,4-DB

☐ 2017
☐ 2016
☒ 2015
☒ 2014
☐ 2013
☐ 2012

Output Preference
 Summary of Findings by Origin

4. The search returns 764 rows, as seen in the screenshot below. Column definitions are provided below the screenshot:

Summary of Findings by Country of ORIGIN

Pesticide Name	Commodity	Orig	Country	# of Samples Analyzed	# of Samples W/Detects	% of Samples W/Detects	Min Detect	Max Detect	Range of LODs	Unit pp...	Tol (ppm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3-Hydroxycarbofur	Peaches	1	U.S.	699	0				0.01	M	NT
3-Hydroxycarbofur	Peaches	2	Chile	362	0				0.01	M	NT
3-Hydroxycarbofur	Peaches	2	Mexico	2	0				0.01	M	NT
3-Hydroxycarbofur	Peaches	3		6	0				0.01	M	NT
Acephate	Peaches	1	U.S.	699	0				0.01	M	0.02
Acephate	Peaches	2	Chile	362	0				0.01	M	0.02
Acephate	Peaches	2	Mexico	2	0				0.01	M	0.02
Acephate	Peaches	3		6	0				0.01	M	0.02
Acetamiprid	Peaches	1	U.S.	699	21	3	0.016	0.065	0.01	M	1.20
Acetamiprid	Peaches	2	Chile	362	117	32.3	0.01	0.14	0.01	M	1.20
Acetamiprid	Peaches	2	Mexico	2	0				0.01	M	1.20
Acetamiprid	Peaches	3		6	0				0.01	M	1.20
Aldicarb	Peaches	1	U.S.	699	0				0.01	M	NT
Aldicarb	Peaches	2	Chile	362	0				0.01	M	NT

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Summary of Findings by Country of ORIGIN data set columns:

Pesticide Name - Pesticide/compound Name

Commodity - Commodity/product Name

Origin - Code indicating sample origin (1=U.S., 2=imported, 3=unknown)

Country - Country of origin if the sample was imported

of Samples Analyzed - Number of samples analyzed for the Pesticide/Commodity pair

of Samples W/Detects - Number of samples that had positive detections for the Pesticide/Commodity pair

% of Samples W/Detects - Percentage of samples that had positive detections for the Pesticide/Commodity pair

Min Detect - Minimum positive residue detection for the Pesticide/Commodity pair

Max Detect - Maximum positive residue detection for the Pesticide/Commodity pair

Range of LODs - Range of Limits-of-Detection (LODs) for the Pesticide/Commodity pair

Unit pp_ - Concentration/LOD unit of measure (M=parts-per-million, B=pp-billion, T=pp-trillion)

Tol (ppm) - Established EPA Tolerance Level for pesticide/commodity pair in parts-per-million (ppm).
Examples: 1.0 = 1.0 ppm, NT=No Tolerance; AL=FDA Action Level

H. Example Search for Summary of Findings by Claim

1. SEARCH: Look for residue distribution summaries for Iprodione in Nectarines across all years tested, broken down by product claim.
2. Click the [New Search] tab at top, then select the search criteria and output preference as follows and as seen on the screenshot below:
 - a) Leave the check-mark box empty next to “Check All Commodities”. Instead, scroll down and click a check-mark next to “Nectarines”.
 - b) Leave the check-mark box empty next to “Check All Pesticides”. Instead, scroll down and click a check-mark next to “Iprodione”.
 - c) Click a check-mark next to “Check All Years”.
 - d) Select “Summary of Findings by Claim” in the Output Preference drop-down list. Note that the Results Preference selection box then disappears.
 - e) Click the [Search] button.

The screenshot shows the 'PDP Database Search' interface. At the top is a navigation bar with tabs: 'New Search', 'PDP Website', 'About PDP', 'Commodity History', 'Pesticide History', 'Lookup Tables', 'Data Dictionary (pdf)', 'User Guide (pdf)', 'Help', and 'Contact Us'. The 'New Search' tab is active. Below the navigation bar, the search criteria are organized into three columns with scrollable lists. The first column, 'Check All Commodities', has a list where 'Nectarines' is selected. The second column, 'Check All Pesticides', has a list where 'Iprodione' is selected. The third column, 'Check All years', has a list where all years from 2012 to 2017 are selected. To the right of these columns is the 'Output Preference' section, which has a dropdown menu set to 'Summary of Findings by Claim' and a 'Search' button.

Check All Commodities	Check All Pesticides	Check All years	Output Preference
<input type="checkbox"/> Milk	<input type="checkbox"/> Iprodione	<input checked="" type="checkbox"/> 2017	Summary of Findings by Claim <input checked="" type="checkbox"/>
<input type="checkbox"/> Mushrooms	<input type="checkbox"/> Iodosulfuron methyl sodium	<input checked="" type="checkbox"/> 2016	
<input checked="" type="checkbox"/> Nectarines	<input type="checkbox"/> Ipconazole	<input checked="" type="checkbox"/> 2015	Search
<input type="checkbox"/> Oats	<input type="checkbox"/> Iprobenfos (IBP)	<input checked="" type="checkbox"/> 2014	
<input type="checkbox"/> Olives, Canned	<input checked="" type="checkbox"/> Iprodione	<input checked="" type="checkbox"/> 2013	
<input type="checkbox"/> Onion	<input type="checkbox"/> Iprodione metabolite isomer	<input checked="" type="checkbox"/> 2012	
	<input type="checkbox"/> Iprovalicarb		

- The search returns 3 rows, as seen in the screenshot below. Column definitions are provided below the screenshot:

Summary of Findings by Product CLAIM

Pesticide Name	Commodity	CLAIM on Product	# of Samples Analyzed	# of Samples W/Detects	% of Samples W/Detects	Min Detect	Max Detect	Range of LODs	Unit pp_	Tol (ppm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Iprodione	Nectarines	No Claim	3673	1469	40	0.0051	13	0.005 - 0	M	20.0
Iprodione	Nectarines	Organic	65	1	1.5	0.27	0.27	0.005 - 0	M	20.0
Iprodione	Nectarines	Other Claim	3	1	33.3	1.3	1.3	0.005	M	20.0

Summary of Findings by Product CLAIM data set columns:

Pesticide Name - Pesticide/compound Name

Commodity - Commodity/product Name

CLAIM on Product - Claim made on the product (Examples: Organic, Pesticide-Free, No Claim, etc.)

of Samples Analyzed - Number of samples analyzed for the Pesticide/Commodity pair

of Samples W/Detects - Number of samples that had positive detections for the Pesticide/Commodity pair

% of Samples W/Detects - Percentage of samples that had positive detections for the Pesticide/Commodity pair

Min Detect - Minimum positive residue detection for the Pesticide/Commodity pair

Max Detect - Maximum positive residue detection for the Pesticide/Commodity pair

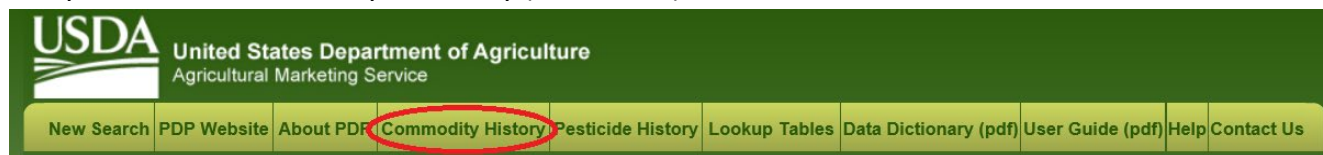
Range of LODs - Range of Limits-of-Detection (LODs) for the Pesticide/Commodity pair

Unit pp_ - Concentration/LOD unit of measure (M=parts-per-million, B=pp-billion, T=pp-trillion)

Tol (ppm) - Established EPA Tolerance Level for pesticide/commodity pair in parts-per-million (ppm).
Examples: 1.0 = 1.0 ppm, NT=No Tolerance; AL=FDA Action Level

I. View Commodity History

- Click the **[Commodity History]** tab/button at top (see screenshot below) to see a table showing a list of all commodities/products collected by PDP with the number of samples for that commodity that were analyzed for each calendar-year survey (1994-2019).



- The numbers shown in the table reflect the number of samples analyzed for the listed commodity in a given year. A blank/empty value means that the commodity was NOT sampled/tested that year. For example, the screenshot below shows that 531 samples of Apples were analyzed in 2016, 708 samples of Apples were analyzed by PDP in 2015, and 177 Apple samples were analyzed in 2014. There were no Apple samples analyzed in 2017-2019 or 2011-2013.

Commodity History – Number of samples analyzed for each commodity

Commodity Name	Code	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Almonds	AL												186
Apple Juice	AJ							379	396				372
Apple Sauce	AC			570	190								
Apples	AP				531	708	177				744	744	
Apples-Single Servings	AX												

- Use the scrollbar at the right side of the table, use the scroll wheel on the mouse, or click anywhere on the table and press the <Pg Up> and <Pg Dn> buttons or Up and Down arrow buttons on the keyboard to move up and down the list of commodities.
- Use the scrollbar at the bottom of the table or click anywhere on the table and press the left and right arrow buttons on the keyboard to move across the columns showing the years. Note: The Window scrollbar at far right (outside the table) may have to be used to scroll down to see the bottom of the table.
- Click the [New Search] tab or any of the other tabs at top to exit the Commodity History screen.

J. View Pesticide History

- Click the **[Pesticide History]** tab/button at top (see screenshot below) to see a table showing a list of all pesticides/compounds tested by PDP with the number of commodities/products that were analyzed for each pesticide in calendar-year survey (1994-2019).



- The numbers shown in the table reflect the number of commodities analyzed for the listed pesticide in a given year. A blank/empty value means that the pesticide was NOT tested that year. For example, the screenshot below shows that 3 different commodities were analyzed for Acifluorfen in 2017, while 4 commodities were tested for Acifluorfen in 2016, 5 different commodities were tested in 2015, and 7 different commodities were tested in 2014. Acifluorfen was not analyzed at all in 2018-2019 or 2008-2013.

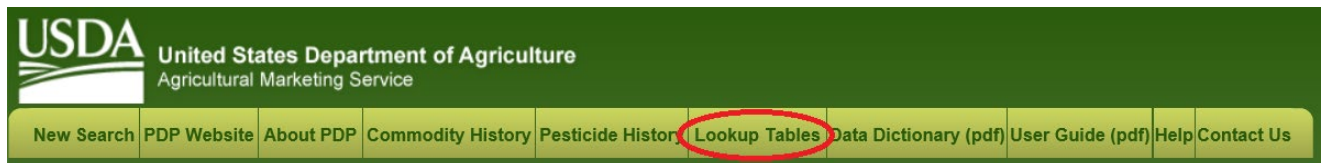
Pesticide History – Number of commodities analyzed for each pesticide

Pesticide Name	Code	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Acifluorfen	727			3	4	5	7						
Aclonifen	D58	6	5	2									
Acrinathrin	A03			1		2	4	3	1				

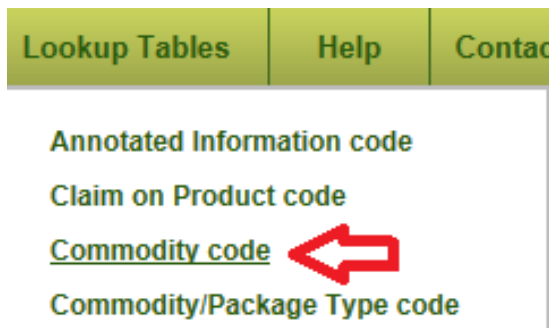
3. Use the scrollbar at the right side of the table, use the scroll wheel on the mouse, or click anywhere on the table and press the <Pg Up> and <Pg Dn> buttons or Up and Down arrow buttons on the keyboard to move up and down the list of pesticides.
4. Use the scrollbar at the bottom of the table or click anywhere on the table and press the left and right arrow buttons on the keyboard to move across the columns showing the years. Note: The Window scrollbar at far right (outside the table) may have to be used to scroll down to see the bottom of the table.
5. Click the [New Search] tab or any of the other tabs at top to exit the Pesticide History screen.

K. View Look-up Tables

1. Move the cursor over the [**Lookup Tables**] tab/button at top (see screenshot below) to see a drop-down menu showing the 18 lookup (reference) tables for standardized codes found in the PDP data with their associated meanings/descriptions.



2. Click on any of the listed 18 table descriptions to see the codes/descriptions for the selected table. For example, the screenshot below shows the “Commodity code” table being selected.

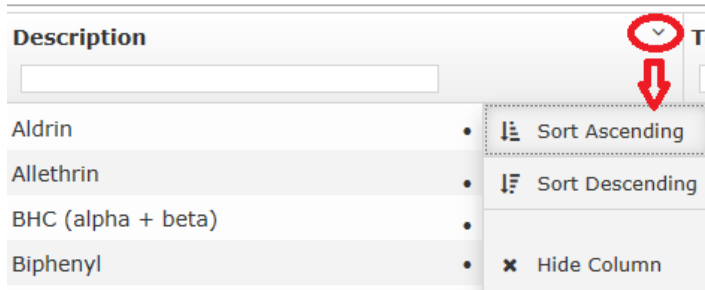


3. The table shows the standardized code in the first column followed by the description. For example, the screenshot below shows that Commodity code “AC” refers to Apple Sauce.

Commodity code

Commodity code	Description
AA	Asparagus, Canned
AB	Black Beans, Canned
AC	Apple Sauce
AJ	Apple Juice

4. The Lookup tables are sorted by the standardized code by default. To sort the list on the Description field instead, click the down arrow at the upper, right corner of the Description column, then click “Sort Ascending” from the drop-down menu, as seen in the screenshot below.

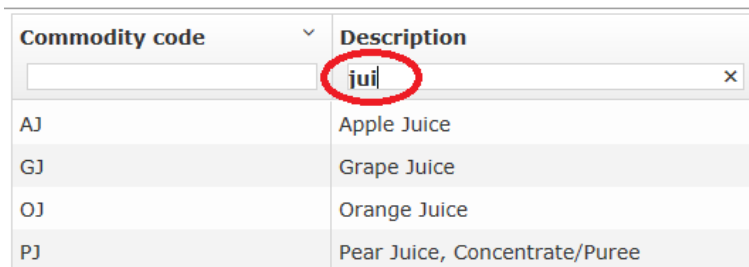


The screenshot shows a table with a header row containing a column named "Description". Below the header is a search input field. To the right of the header, a dropdown menu is open, showing three options: "Sort Ascending" (with an upward arrow icon), "Sort Descending" (with a downward arrow icon), and "Hide Column" (with an 'x' icon). A red circle highlights the dropdown arrow in the header, and a red arrow points down to the "Sort Ascending" option.

Description
Aldrin
Allethrin
BHC (alpha + beta)
Biphenyl

5. To filter the displayed codes/description to look for certain a value, type the value in the white box directly below the column name. For example, the screenshot below shows that when “jui” was typed in the white box for the Description column, the table is filtered to show only the 4 “juice” commodities. Click the “X” at the far right side of the filtered column to remove the filter so that all codes/descriptions are shown again.

Commodity code



The screenshot shows a table with two columns: "Commodity code" and "Description". The "Description" column has a search input field with the text "juil" entered. A red circle highlights the search input field. The table is filtered to show only four rows: "AJ" (Apple Juice), "GJ" (Grape Juice), "OJ" (Orange Juice), and "PJ" (Pear Juice, Concentrate/Puree).

Commodity code	Description
AJ	Apple Juice
GJ	Grape Juice
OJ	Orange Juice
PJ	Pear Juice, Concentrate/Puree

6. Click the [New Search] tab or any of the other tabs/buttons at top to exit the a Lookup table screen.

Contact amsmpo.data@usda.gov at USDA-AMS-MPD (Phone: 202-572-8177) if you experience any problems using the PDP Database Search application.