

March 31, 2023

To: U.S. Blueberry Exporters

From: Bryant Christie Inc.

Re: 2023 International Blueberry MRL Memo

On behalf of the U.S. Highbush Blueberry Council

As the 2023 blueberry season is underway and crop protection decisions are being made, BCI is pleased to provide the U.S. blueberry industry an international blueberry maximum residue level (MRL) memo for major export markets.

The purpose of this memo is to provide blueberry growers and shippers relevant information on blueberry MRLs in key export markets. Within, users will find the latest blueberry MRLs through **March 30, 2023**, in the United States (U.S.), Australia, Canada, China, the European Union (EU), Great Britain (GB), Japan, Korea, the Philippines, Taiwan, and Viet Nam. The memo is divided into sections by country, and for each country includes: the active ingredient, trade name, the U.S. highbush blueberry MRL, the foreign country MRL, data on how much of the product has been applied, and residue data available from USDA. Where a residue potentially might exceed an MRL, that information is highlighted.

The memo also includes whether the chemical is included in the country's residue testing list. This information comes from official monitoring lists and is subject to change. Not all markets publish such lists.

While the MRL information is considered accurate as of **March 30, 2023**, please note that the 2023 International Blueberry MRL Memo is intended for information purposes only. Growers and shippers should verify the information obtained in this MRL memo with knowledgeable third parties prior to engaging in any business activities, such as the sale or shipments of any products. Although every effort has been made to provide accurate information within, Bryant Christie Inc. is not responsible for the accuracy, reliability, and currency of the information, and users recognize that information provided may not be one hundred percent (100%) accurate, up-to-date, and free of omissions. BCI shall not be held liable for any losses or damages arising from any errors, omissions, or misrepresentations from the use of the information contained in the 2023 International Blueberry MRL Memo.

Bryant Christie Inc. hopes this memo will be useful to the U.S. blueberry growers and shippers and wishes the industry success in the 2023 season.

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I. Summary of U.S. Monitoring Residues Program and Pesticide Residues Screening Programs in Key Export Markets

- The residue screening data provided in this document is based on the latest screening data available for blueberries in the USDA's Pesticide Data Program, which is from **2021**. Should industry officials wish to provide additional more recent residue monitoring data in the future, it can be incorporated into the 2024 International Blueberry MRL Memo.
- The pesticide usage data provided in this document is based on the latest survey available by USDA's NASS Agricultural Chemical Use Program, which is from **2019**, and is expressed in pounds (lbs.) applied.
- This document includes information on pesticides known to be analyzed in official pesticide residue screening programs in certain export markets. This information is based on the most recent screening plans available for each market. Not all markets publish this data. The information included within is for informational purposes only and does not guarantee that a given pesticide will not be tested for as part of import inspection programs.
- **It is critical that growers, packers, and exporters understand that foreign residue screening programs change, and foreign regulators may at any time choose to analyze for any of the pesticides approved for use on blueberries in the United States.**
- Prior to shipping, exporters should confirm the established MRLs and that consignments comply with export market regulations.

II. Above-MRL Possibilities According to USDA Residue Data

- The following table indicates pesticides and markets where available pesticide testing data shows the possibility of a MRL violation. Data comes from a variety of public and private sources.
- Please note that these are not actual detections and applying these pesticides does not automatically mean residues will always be above the export market's MRL. Regardless, growers should exercise caution and always remain aware of MRLs in export markets.
- Additionally, growers and shippers should also pay close attention to pesticides indicated in **red brackets, { }**, in the following tables. The pesticides in red and bold in this memo indicate where a foreign MRL is more restrictive than the corresponding U.S. MRL. While not all restrictive MRLs are problematic, these represent situations where extra care should be exercised.
- While the pesticides in the table below have data to indicate that residues could exceed MRLs, data is not available for all pesticides, and it is possible that these pesticides could exhibit residues that could exceed foreign MRLs that are more restrictive than U.S. MRLs. In other words, the tables below do not necessarily represent the entire range of pesticides that could be problematic.

**Pesticides with Residue Detections Capable
of Exceeding MRLs in Major Markets**

Active Ingredient	Trade Name	Markets in which the detected residue would have exceeded the MRL
Acetamiprid	Assail, others	Canada, Korea, Philippines, Vietnam
Bifenthrin	Brigade, others	Vietnam
Carbaryl	Sevin	EU, China, Philippines
Chlorothalonil	Bravo, others	Great Britain, China, EU, Korea, Vietnam
Difenoconazole	Inspire Super, Quadris Top	China, Vietnam
Diuron	Karmex, Diuron	China, EU, Great Britain, Korea, Taiwan, Vietnam, Philippines
Esfenvalerate	Asana	EU, Canada, Great Britain, Philippines, Vietnam
Fenazaquin	Magister	Great Britain, Taiwan, Australia, China, Philippines, Vietnam
Fenpropathrin	Danitol	EU, Great Britain, Vietnam, Philippines
Fenpyroximate	Fujimite	China, Philippines, Vietnam
Fluopyram	Luna Privilege/Tranquility	China, Vietnam
Iprodione	Rovral, Iprodione	Canada, China, EU, Great Britain, Vietnam, Philippines
Malathion	Malathion	EU, Great Britain, Taiwan
Metalaxyl-M (Mefenoxam)	Ridomil	EU, Great Britain, Korea, Philippines, Vietnam, China
Methomyl	Lannate	China, EU, Great Britain, Philippines
Novaluron	Rimon	Taiwan
Phosmet	Imidan	Taiwan
Propiconazole	Tilt, Quilt, Xcel, others	China, EU, Great Britain, Vietnam, Philippines
Pyrimethanil	Luna Tranquility	Vietnam
Simazine	Princep, others	China, EU, Great Britain, Vietnam, Philippines
Tebufenozide	Confirm	Taiwan
Thiamethoxam	Actara, Platinum	EU, Great Britain
Zeta-Cypermethrin	Mustang Max	China, EU, Great Britain, Vietnam, Philippines

III. Australian MRL Status

FUNGICIDES: Status of Australian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Australia Monitoring (2022)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	0.72	0.0016	Yes
Boscalid	Pristine	13	15	6,600	2.1	0.0035	Yes
Captan	Captan, Captevate	20	20	175,900	--	--	Yes
Chlorothalonil	Bravo, others	1	10	31,100	0.099	0.029	Yes
Cyprodinil	Switch, Inspire Super	3	3	8,400	1.6	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.77	0.01	Yes
Fenbuconazole	Indar	0.3	0.3	6,400	0.11	0.0052	--
Fenhexamid	Elevate, Captevate	5	5	1,300	1.2	0.013	Yes
Fenpyrazamine	Protexio	5	5	--	--	--	--
Fluazinam	Omega	7	7	--	--	--	--
Fludioxonil	Switch	2	5	5,500	--	--	Yes
Fluopyram	Luna Privilege, Luna Tranquility	7	7	2,100	0.43	0.005	--
Fluxapyroxad	Xemium	7	7	--	--	--	--
Fosetyl-Al	Aliette	40	40	--	--	--	--
Iprodione	Rovral, Iprodione	15	{12}	1,700	2.1	0.04	Yes
Isofetamid	Kenja	5	5	(D)	--	--	--
Mefentrifluconazole	Cevya	5	5	--	--	--	--
Metalaxyl-M (Mefenoxam)	Ridomil	2	2	(D)	0.12	0.001	Yes

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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Australia Monitoring (2022)
Metconazole	Quash	0.4	0.5	3,800	--	--	--
Oxathiapiprolin	Orondis	0.5	0.5	--	--	--	--
Penthiopyrad	Fontelis	6	7	--	--	--	--
Propiconazole	Tilt, Quilt Xcel, others	1	2	3,300	0.046	0.02	Yes
Prothioconazole	Proline, Propulse	2	2	1,800	--	--	--
Pydiflumetofen	Miravis	5	5	--	--	--	--
Pyraclostrobin	Pristine	4	5	3,400	0.56	0.0034	Yes
Pyrimethanil	Luna Tranquility	8	8	2,500	1	0.051	Yes
Pyriofenone	Proливо	1.5	1.5	--	--	--	--
Ziram	Ziram	7	15	43,200	--	--	--

(D): NASS withheld to avoid disclosing data for individual operations.

INSECTICIDES: Status of Australian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
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Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Australia Monitoring (2022)
Acequinocyl	Kanemite	3	3	--	--	--	--
Acetamiprid	Assail, others	1.6	1.6	1,900	2	0.0016	--
Bifenthrin	Brigade, others	1.8	3	5,100	0.71	0.002	Yes
Carbaryl	Sevin	3	{0.02}	800	0.01	0.01	Yes
Chlorantraniliprole	Altacor	2.5	3	(D)	0.11	0.011	--
Cyantraniliprole	Exirel	4	4	100	--	--	--
Diazinon	Diazinon	0.5	0.5	5,200	--	--	Yes
Esfenvalerate	Asana	1	1	1,400	0.13	0.0056	Yes
Fenazaquin	Magister	0.8	--	--	0.053	0.053	--
Fenpropathrin	Danitol	3	3	5,900	1.4	0.021	--
Fenpyroximate	Fujimite	3	{0.1}	--	0.097	0.0067	Yes
Flupyradifurone	Sivanto	4	4	400	--	--	--
Imidacloprid	Admire, others	3.5	3.5	3,100	0.51	0.0034	--
Indoxacarb	Avaunt	1.5	2	(D)	--	--	Yes
Malathion	Malathion	8	10	60,400	0.15	0.002	Yes
Metaldehyde	Deadline, others	0.15	1	--	--	--	--
Methomyl	Lannate	6	{2}	21,700	1	0.032	Yes
Methoxyfenozide	Intrepid	3	{2}	2,900	0.28	0.0038	--
Methyl bromide	Methyl Bromide	20 *	20	--	--	--	--
Novaluron	Rimon	7	7	--	0.38	0.018	--
Phosmet	Imidan	10	10	58,100	1.6	0.01	Yes
Pyrethrins	Several	1 <i>Exempt</i>	1	100	--	--	Yes
Pyriproxyfen	Knack	1	1	--	--	--	Yes
Spinetoram	Delegate	0.5	0.5	1,200	0.036	0.0034	--

INSECTICIDES: Status of Australian MRLs

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Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Australia Monitoring (2022)
Spinosad	Entrust, Success	0.4	0.7	2,000	0.17	0.0034	Yes
Spirotetramat	Movento	3	3	(D)	0.37	0.0025	Yes
Sulfoxaflor	Closer, Sequoia	2	2	--	--	--	--
Tebufenozide	Confirm	3	3	(D)	0.04	0.025	Yes
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.022	0.0033	Yes
Tolfenpyrad	Bexar	7	--	--	--	--	--
Zeta-Cypermethrin	Mustang Max	0.8	0.8	2,300	0.6	0.01	Yes ^a

(D): NASS withheld to avoid disclosing data for individual operations.

^a Tested for as cypermethrin

HERBICIDES & OTHER: Status of Australian MRLs

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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Australia Monitoring (2022)
2,4-D	2,4 D	0.2	0.2	200	--	--	--
Carfentrazone-ethyl	Aim, Zeus	0.1	0.1	100	--	--	--
Clethodim	Select Max, Others	0.2	0.2	1,400	--	--	--
Clopyralid	Stinger	0.5	0.5	100	--	--	--
Dichlobenil	Casoron	0.15	1	200	--	--	--
Diquat dibromide	Diquat, Reglone	0.05	0.05	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	0.1	23,000	0.019	0.0046	Yes
Ethephon	Ethephon	20	{10}	3,800	--	--	--
Fluazifop-P-butyl	Fusilade	0.3	0.3	(D)	--	--	--
Flumioxazin	Chateau, others	0.02	0.02	4,800	--	--	--
Glufosinate-ammonium	Rely, others	0.15	{0.1}	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	{0.05}	18,500	--	--	--
Halosulfuron-methyl	Sandea	0.05	0.05	100	--	--	--
Hexazinone	Velpar	0.6	0.6	3,500	--	--	--
Indaziflam	Alion	0.01	--	300	--	--	--
Isoxaben	Trellis	0.01	--	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01	1,800	--	--	--
Napropamide	Devrinol	0.1	0.1	200	--	--	--
Norflurazon	Solicam	0.2	{0.05}	15,500	--	--	--
Oryzalin	Suflan	0.05	0.1	18,000	--	--	--
Paraquat dichloride	Gramoxone, others	0.05	0.05	11,000	--	--	--

HERBICIDES & OTHER: Status of Australian MRLs

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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Australia Monitoring (2022)
Pendimethalin	Several	0.1	0.1	--	--	--	Yes
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	8		--	--	Yes
Propyzamide	Kerb	0.05	{0.02}	--	--	--	--
Quinclorac	Quinstar	0.08	--	200	--	--	--
Rimsulfuron	Matrix	0.01	0.02	300	--	--	--
Sethoxydim	Poast	4	4	(D)	--	--	--
Simazine	Princep, others	0.2	{0.1}	36,100	0.013	0.0059	--
S-metolachlor	Dual	0.15	--	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	--	1,400	--	--	--
Terbacil	Sinbar	0.2	0.2	4,800	--	--	--

(D): NASS withheld to avoid disclosing data for individual operations.

IV. Canadian MRL Status

FUNGICIDES: Status of Canadian MRLs

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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Canada Monitoring (2019)
Azoxystrobin	Abound, Quadris, Quadris Top	5	{3}	13,800	0.72	0.0016	Yes
Boscalid	Pristine	13	{6}	6,600	2.1	0.0035	Yes
Captan	Captan, Captevate	20	{5}	175,900	--	--	Yes
Chlorothalonil	Bravo, others	1	{0.6}	31,100	0.099	0.029	Yes
Cyprodinil	Switch, Inspire Super	3	4	8,400	1.6	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.77	0.01	--
Fenbuconazole	Indar	0.3	0.3	6,400	0.11	0.0052	Yes
Fenhexamid	Elevate, Captevate	5	{4}	1,300	1.2	0.013	Yes
Fenpyrazamine	Protexio	5	5	--	--	--	--
Fluazinam	Omega	7	7	--	--	--	--
Fludioxonil	Switch	2	2	5,500	--	--	Yes
Fluopyram	Luna Privilege, Luna Tranquility	7	7	2,100	0.43	0.005	--
Fluxapyroxad	Xemium	7	7	--	--	--	--
Fosetyl-Al	Aliette	40	40	--	--	--	--
Iprodione	Rovral, Iprodione	15	{0.07}	1,700	2.1	0.04	Yes
Isofetamid	Kenja	5	5	(D)	--	--	--
Mefentrifluconazole	Cevya	5	{0.1} *	--	--	--	--
Metalaxyl-M (Mefenoxam)	Ridomil	2	3	(D)	0.12	0.001	--
Metconazole	Quash	0.4	0.4	3,800	--	--	Yes

FUNGICIDES: Status of Canadian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Canada Monitoring (2019)
Oxathiapiprolin	Orondis	0.5	0.5	--	--	--	--
Penthiopyrad	Fontelis	6	6	--	--	--	--
Propiconazole	Tilt, Quilt Xcel, others	1	1	3,300	0.046	0.02	Yes
Prothioconazole	Proline, Propulse	2	2	1,800	--	--	Yes
Pydiflumetofen	Miravis	5	5	--	--	--	--
Pyraclostrobin	Pristine	4	{3.5}	3,400	0.56	0.0034	Yes
Pyrimethanil	Luna Tranquility	8	8	2,500	1	0.051	Yes
Pyriofenone	Proливо	1.5	1.5	--	--	--	--
Ziram	Ziram	7	{0.1} *	43,200	--	--	--

* Indicates where the Canadian default MRL of 0.1 ppm applies because no specific MRL has been established.

(D): NASS withheld to avoid disclosing data for individual operations.

INSECTICIDES: Status of Canadian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Canada Monitoring (2019)
Acequinocyl	Kanemite	3	{0.1} *	--	--	--	--
Acetamiprid	Assail, others	1.6	1.6	1,900	2	0.0016	Yes
Bifenthrin	Brigade, others	1.8	3	5,100	0.71	0.002	Yes
Carbaryl	Sevin	3	7	800	0.01	0.01	Yes
Chlorantraniliprole	Altacor	2.5	{0.35}	(D)	0.11	0.011	Yes
Cyantraniliprole	Exirel	4	4	100	--	--	--
Diazinon	Diazinon	0.5	{0.1} *	5,200	--	--	Yes
Esfenvalerate	Asana	1	{0.1} *	1,400	0.13	0.0056	Yes
Fenazaquin	Magister	0.8	0.8	--	0.053	0.053	Yes
Fenpropathrin	Danitol	3	3	5,900	1.4	0.021	Yes
Fenpyroximate	Fujimite	3	{0.1} *	--	0.097	0.0067	Yes
Flupyradifurone	Sivanto	4	4	400	--	--	--
Imidacloprid	Admire, others	3.5	3.5	3,100	0.51	0.0034	Yes
Indoxacarb	Avaunt	1.5	{0.1} *	(D)	--	--	Yes
Malathion	Malathion	8	8	60,400	0.15	0.002	Yes
Metaldehyde	Deadline, others	0.15	{0.1} *	--	--	--	--
Methomyl	Lannate	6	6 **	21,700	1	0.032	Yes
Methoxyfenozone	Intrepid	3	4	2,900	0.28	0.0038	Yes
Methyl bromide	Methyl Bromide	20 *	{0.1} *	--	--	--	--
Novaluron	Rimon	7	7	--	0.38	0.018	Yes

INSECTICIDES: Status of Canadian MRLs

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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Canada Monitoring (2019)
Phosmet	Imidan	10	{5}	58,100	1.6	0.01	Yes
Pyrethrins	Several	1 <i>Exempt</i>	1	100	--	--	Yes
Pyriproxyfen	Knack	1	1.5	--	--	--	Yes
Spinetoram	Delegate	0.5	0.5	1,200	0.036	0.0034	Yes
Spinosad	Entrust, Success	0.4	0.5	2,000	0.17	0.0034	Yes
Spirotetramat	Movento	3	3	(D)	0.37	0.0025	Yes
Sulfoxaflor	Closer, Sequoia	2	{0.1} *	--	--	--	--
Tebufenozide	Confirm	3	3	(D)	0.04	0.025	Yes
Thiamethoxam	Actara, Platinum	0.2	0.2	200	0.022	0.0033	Yes
Tolfenpyrad	Bexar	7	{0.1} *	--	--	--	Yes
Zeta-Cypermethrin	Mustang Max	0.8	0.8	2,300	0.6	0.01	--

* Indicates where the Canadian default MRL of 0.1 ppm applies because no specific MRL has been established.

** Indicates where the Canadian MRL is an import tolerance.

(D): NASS withheld to avoid disclosing data for individual operations.

HERBICIDES & OTHER: Status of Canadian MRLs

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Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Canada Monitoring (2019)
2,4-D	2,4 D	0.2	{0.01}	200	--	--	Yes
Carfentrazone-ethyl	Aim, Zeus	0.1	0.1	100	--	--	Yes
Clethodim	Select Max, Others	0.2	0.2	1,400	--	--	Yes
Clopyralid	Stinger	0.5	{0.1}	100	--	--	Yes
Dichlobenil	Casoron	0.15	0.5	200	--	--	Yes
Diquat dibromide	Diquat, Reglone	0.05	0.1 *	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	0.1 *	23,000	0.019	0.0046	Yes
Ethephon	Ethephon	20	{10}	3,800	--	--	--
Fluazifop-P-butyl	Fusilade	0.3	{0.1}	(D)	--	--	Yes
Flumioxazin	Chateau, others	0.02	0.02	4,800	--	--	--
Glufosinate-ammonium	Rely, others	0.15	{0.1}	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	{0.1} *	18,500	--	--	Yes
Halosulfuron-methyl	Sandea	0.05	0.05	100	--	--	--
Hexazinone	Velpar	0.6	{0.1} *	3,500	--	--	Yes
Indaziflam	Alion	0.01	0.01	300	--	--	--
Isoxaben	Trellis	0.01	0.1 *	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01	1,800	--	--	Yes
Napropamide	Devrinol	0.1	0.1	200	--	--	Yes
Norflurazon	Solicam	0.2	{0.1} *	15,500	--	--	Yes
Oryzalin	Suflan	0.05	0.1 *	18,000	--	--	--
Paraquat dichloride	Gramoxone, others	0.05	0.05	11,000	--	--	--

HERBICIDES & OTHER: Status of Canadian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Canada Monitoring (2019)
Pendimethalin	Several	0.1	0.1 *	--	--	--	Yes
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	8	--	--	--	Yes
Propyzamide	Kerb	0.05	0.1 *	--	--	--	Yes
Quinclorac	Quinstar	0.08	0.1 *	200	--	--	--
Rimsulfuron	Matrix	0.01	0.01	300	--	--	--
Sethoxydim	Poast	4	4	(D)	--	--	Yes
Simazine	Princep, others	0.2	{0.1} *	36,100	0.013	0.0059	Yes
S-metolachlor	Dual	0.15	0.15	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	0.15	1,400	--	--	Yes
Terbacil	Sinbar	0.2	{0.1} *	4,800	--	--	Yes

* Indicates where the Canadian default MRL of 0.1 ppm applies because no specific MRL has been established.

(D): NASS withheld to avoid disclosing data for individual operations.

V. Chinese MRL Status

FUNGICIDES: Status of Chinese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	China Monitoring
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	0.72	0.0016	--
Boscalid	Pristine	13	{10}	6,600	2.1	0.0035	--
Captan	Captan, Captevate	20	20	175,900	--	--	--
Chlorothalonil	Bravo, others	1	--	31,100	0.099	0.029	--
Cyprodinil	Switch, Inspire Super	3	10	8,400	1.6	0.005	--
Difenoconazole	Inspire Super, Quadris Top	4	--	400	0.77	0.01	--
Fenbuconazole	Indar	0.3	0.5	6,400	0.11	0.0052	--
Fenhexamid	Elevate, Captevate	5	5	1,300	1.2	0.013	--
Fenpyrazamine	Protexio	5	{4}	--	--	--	--
Fluazinam	Omega	7	--	--	--	--	--
Fludioxonil	Switch	2	2	5,500	--	--	--
Fluopyram	Luna Privilege, Luna Tranquility	7	--	2,100	0.43	0.005	--
Fluxapyroxad	Xemium	7	7	--	--	--	--
Fosetyl-Al	Aliette	40	--	--	--	--	--
Iprodione	Rovral, Iprodione	15	--	1,700	2.1	0.04	--
Isofetamid	Kenja	5	--	(D)	--	--	--
Mefentrifluconazole	Cevya	5	--	--	--	--	--
Metalaxyl-M (Mefenoxam)	Ridomil	2	--	(D)	0.12	0.001	--

FUNGICIDES: Status of Chinese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	China Monitoring
Metconazole	Quash	0.4	--	3,800	--	--	--
Oxathiapiprolin	Orondis	0.5	--	--	--	--	--
Penthiopyrad	Fontelis	6	--	--	--	--	--
Propiconazole	Tilt, Quilt Xcel, others	1	--	3,300	0.046	0.02	--
Prothioconazole	Proline, Propulse	2	{1.5}	1,800	--	--	--
Pydiflumetofen	Miravis	5	--	--	--	--	--
Pyraclostrobin	Pristine	4	4	3,400	0.56	0.0034	--
Pyrimethanil	Luna Tranquility	8	8	2,500	1	0.051	--
Pyriofenone	Proливо	1.5	--	--	--	--	--
Ziram	Ziram	7	--	43,200	--	--	--

(D): NASS withheld to avoid disclosing data for individual operations.

INSECTICIDES: Status of Chinese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	China Monitoring
Acequinocyl	Kanemite	3	{0.01}	--	--	--	
Acetamiprid	Assail, others	1.6	2	1,900	2	0.0016	--
Bifenthrin	Brigade, others	1.8	3	5,100	0.71	0.002	--
Carbaryl	Sevin	3	--	800	0.01	0.01	--
Chlorantraniliprole	Altacor	2.5	{1}	(D)	0.11	0.011	--
Cyantraniliprole	Exirel	4	4	100	--	--	--
Diazinon	Diazinon	0.5	--	5,200	--	--	--
Esfenvalerate	Asana	1	{0.2}	1,400	0.13	0.0056	--
Fenazaquin	Magister	0.8	--	--	0.053	0.053	--
Fenpropathrin	Danitol	3	5	5,900	1.4	0.021	--
Fenpyroximate	Fujimite	3	--	--	0.097	0.0067	--
Flupyradifurone	Sivanto	4	4	400	--	--	--
Imidacloprid	Admire, others	3.5	5	3,100	0.51	0.0034	--
Indoxacarb	Avaunt	1.5	--	(D)	--	--	--
Malathion	Malathion	8	10	60,400	0.15	0.002	--
Metaldehyde	Deadline, others	0.15	--	--	--	--	--
Methomyl	Lannate	6	{0.2}	21,700	1	0.032	--
Methoxyfenozide	Intrepid	3	4	2,900	0.28	0.0038	--
Methyl bromide	Methyl Bromide	20 *	{0.02}	--	--	--	--
Novaluron	Rimon	7	7	--	0.38	0.018	--

INSECTICIDES: Status of Chinese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	China Monitoring
Phosmet	Imidan	10	10	58,100	1.6	0.01	--
Pyrethrins	Several	1 <i>Exempt</i>	--	100	--	--	--
Pyriproxyfen	Knack	1	--	--	--	--	--
Spinetoram	Delegate	0.5	{0.2}	1,200	0.036	0.0034	--
Spinosad	Entrust, Success	0.4	0.4	2,000	0.17	0.0034	--
Spirotetramat	Movento	3	{1.5}	(D)	0.37	0.0025	--
Sulfoxaflor	Closer, Sequoia	2	--	--	--	--	--
Tebufenozide	Confirm	3	3	(D)	0.04	0.025	--
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.022	0.0033	--
Tolfenpyrad	Bexar	7	--	--	--	--	--
Zeta-Cypermethrin	Mustang Max	0.8	--	2,300	0.6	0.01	--

(D): NASS withheld to avoid disclosing data for individual operations.

HERBICIDES & OTHER: Status of Chinese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	China Monitoring
2,4-D	2,4 D	0.2	{0.1}	200	--	--	--
Carfentrazone-ethyl	Aim, Zeus	0.1	--	100	--	--	--
Clethodim	Select Max, Others	0.2	--	1,400	--	--	--
Clopyralid	Stinger	0.5	--	100	--	--	--
Dichlobenil	Casoron	0.15	0.2	200	--	--	--
Diquat dibromide	Diquat, Reglone	0.05	--	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	--	23,000	0.019	0.0046	--
Ethephon	Ethephon	20	20	3,800	--	--	--
Fluazifop-P-butyl	Fusilade	0.3	--	(D)	--	--	--
Flumioxazin	Chateau, others	0.02	0.02	4,800	--	--	--
Glufosinate-ammonium	Rely, others	0.15	{0.1}	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	{0.1}	18,500	--	--	--
Halosulfuron-methyl	Sandea	0.05	--	100	--	--	--
Hexazinone	Velpar	0.6	--	3,500	--	--	--
Indaziflam	Alion	0.01	--	300	--	--	--
Isoxaben	Trellis	0.01	--	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01	1,800	--	--	--
Napropamide	Devrinol	0.1	--	200	--	--	--
Norflurazon	Solicam	0.2	--	15,500	--	--	--
Oryzalin	Suflan	0.05	--	18,000	--	--	--
Paraquat dichloride	Gramoxone, others	0.05	{0.01}	11,000	--	--	--

HERBICIDES & OTHER: Status of Chinese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	China Monitoring
Pendimethalin	Several	0.1	--	--	--	--	--
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	--	--	--	--
Propyzamide	Kerb	0.05	--	--	--	--	--
Quinclorac	Quinstar	0.08	--	200	--	--	--
Rimsulfuron	Matrix	0.01	--	300	--	--	--
Sethoxydim	Poast	4	--	(D)	--	--	--
Simazine	Princep, others	0.2	--	36,100	0.013	0.0059	--
S-metolachlor	Dual	0.15	--	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	--	1,400	--	--	--
Terbacil	Sinbar	0.2	--	4,800	--	--	--

(D): NASS withheld to avoid disclosing data for individual operations.

VI. European Union MRL Status

FUNGICIDES: Status of European MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	European Union Monitoring (2023)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	0.72	0.0016	--
Boscalid	Pristine	13	15	6,600	2.1	0.0035	--
Captan	Captan, Captevate	20	30	175,900	--	--	--
Chlorothalonil	Bravo, others	1	{0.01}	31,100	0.099	0.029	--
Cyprodinil	Switch, Inspire Super	3	8	8,400	1.6	0.005	--
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.77	0.01	--
Fenbuconazole	Indar	0.3	0.5	6,400	0.11	0.0052	--
Fenhexamid	Elevate, Captevate	5	20	1,300	1.2	0.013	--
Fenpyrazamine	Protexio	5	{4}	--	--	--	--
Fluazinam	Omega	7	{3}	--	--	--	--
Fludioxonil	Switch	2	4	5,500	--	--	--
Fluopyram	Luna Privilege, Luna Tranquility	7	7	2,100	0.43	0.005	--
Fluxapyroxad	Xemium	7	7	--	--	--	--
Fosetyl-Al	Aliette	40	200	--	--	--	--
Iprodione	Rovral, Iprodione	15	{0.01}	1,700	2.1	0.04	--
Isofetamid	Kenja	5	{4}	(D)	--	--	--

FUNGICIDES: Status of European MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	European Union Monitoring (2023)
Mefentrifluconazole	Cevya	5	{0.01}	--	--	--	--
Metalaxyl-M (Mefenoxam)	Ridomil	2	{0.01}	(D)	0.12	0.001	--
Metconazole	Quash	0.4	0.4	3,800	--	--	--
Oxathiapiprolin	Orondis	0.5	0.5	--	--	--	--
Penthiopyrad	Fontelis	6	{0.01}	--	--	--	--
Propiconazole	Tilt, Quilt Xcel, others	1	{0.01}	3,300	0.046	0.02	--
Prothioconazole	Proline, Propulse	2	{0.01}	1,800	--	--	--
Pydiflumetofen	Miravis	5	{0.01} *	--	--	--	--
Pyraclostrobin	Pristine	4	4	3,400	0.56	0.0034	--
Pyrimethanil	Luna Tranquility	8	8	2,500	1	0.051	--
Pyriofenone	Proливо	1.5	1.5	--	--	--	--
Ziram	Ziram	7	{0.1}	43,200	--	--	--

* Indicates where the European default MRL of 0.01 ppm applies because no specific MRL has been established.

(D): NASS withheld to avoid disclosing data for individual operations.

INSECTICIDES: Status of European MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	European Union Monitoring (2023)
Acequinocyl	Kanemite	3	{0.01}	--	--	--	--
Acetamiprid	Assail, others	1.6	2	1,900	2	0.0016	--
Bifenthrin	Brigade, others	1.8	3	5,100	0.71	0.002	--
Carbaryl	Sevin	3	{0.01}	800	0.01	0.01	--
Chlorantraniliprole	Altacor	2.5	{1.5}	(D)	0.11	0.011	--
Cyantraniliprole	Exirel	4	4	100	--	--	--
Diazinon	Diazinon	0.5	{0.01}	5,200	--	--	--
Esfenvalerate	Asana	1	{0.02}	1,400	0.13	0.0056	--
Fenazaquin	Magister	0.8	{0.01}	--	0.053	0.053	--
Fenpropathrin	Danitol	3	{0.01}	5,900	1.4	0.021	--
Fenpyroximate	Fujimite	3	{0.4}	--	0.097	0.0067	--
Flupyradifurone	Sivanto	4	4	400	--	--	--
Imidacloprid	Admire, others	3.5	5	3,100	0.51	0.0034	--
Indoxacarb	Avaunt	1.5	{0.8}	(D)	--	--	--
Malathion	Malathion	8	{0.02}	60,400	0.15	0.002	--
Metaldehyde	Deadline, others	0.15	{0.05}	--	--	--	--
Methomyl	Lannate	6	{0.01}	21,700	1	0.032	--
Methoxyfenozide	Intrepid	3	4	2,900	0.28	0.0038	--
Methyl bromide	Methyl Bromide	20 *	{5}	--	--	--	--
Novaluron	Rimon	7	7	--	0.38	0.018	--

INSECTICIDES: Status of European MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	European Union Monitoring (2023)
Phosmet	Imidan	10	10	58,100	1.6	0.01	--
Pyrethrins	Several	1 <i>Exempt</i>	1	100	--	--	--
Pyriproxyfen	Knack	1	{0.05}	--	--	--	--
Spinetoram	Delegate	0.5	{0.4}	1,200	0.036	0.0034	--
Spinosad	Entrust, Success	0.4	1.5	2,000	0.17	0.0034	--
Spirotetramat	Movento	3	{1.5}	(D)	0.37	0.0025	--
Sulfoxaflor	Closer, Sequoia	2	{0.01}	--	--	--	--
Tebufenozide	Confirm	3	3	(D)	0.04	0.025	--
Thiamethoxam	Actara, Platinum	0.2	{0.01}	200	0.022	0.0033	--
Tolfenpyrad	Bexar	7	{0.01} *	--	--	--	--
Zeta-Cypermethrin	Mustang Max	0.8	{0.05}	2,300	0.6	0.01	--

* Indicates where the European default MRL of 0.01 ppm applies because no specific MRL has been established.

(D): NASS withheld to avoid disclosing data for individual operations.

HERBICIDES & OTHER: Status of European MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	European Union Monitoring (2023)
2,4-D	2,4 D	0.2	{0.1}	200	--	--	--
Carfentrazone-ethyl	Aim, Zeus	0.1	{0.02}	100	--	--	--
Clethodim	Select Max, Others	0.2	{0.1}	1,400	--	--	--
Clopyralid	Stinger	0.5	0.5	100	--	--	--
Dichlobenil	Casoron	0.15	{0.01}	200	--	--	--
Diquat dibromide	Diquat, Reglone	0.05	{0.01}	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	{0.01}	23,000	0.019	0.0046	--
Ethephon	Ethephon	20	20	3,800	--	--	--
Fluazifop-P-butyl	Fusilade	0.3	0.3	(D)	--	--	--
Flumioxazin	Chateau, others	0.02	0.02	4,800	--	--	--
Glufosinate-ammonium	Rely, others	0.15	0.9	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	{0.1}	18,500	--	--	--
Halosulfuron-methyl	Sandea	0.05	{0.01}	100	--	--	--
Hexazinone	Velpar	0.6	{0.01} *	3,500	--	--	--
Indaziflam	Alion	0.01	0.01 *	300	--	--	--
Isoxaben	Trellis	0.01	0.05	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01	1,800	--	--	--
Napropamide	Devrinol	0.1	{0.02}	200	--	--	--
Norflurazon	Solicam	0.2	{0.01} *	15,500	--	--	--
Oryzalin	Suflan	0.05	{0.01}	18,000	--	--	--
Paraquat dichloride	Gramoxone, others	0.05	{0.02}	11,000	--	--	--

HERBICIDES & OTHER: Status of European MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	European Union Monitoring (2023)
Pendimethalin	Several	0.1	{0.05}	--	--	--	--
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--		--	--	--
Propyzamide	Kerb	0.05	{0.01}	--	--	--	--
Quinclorac	Quinstar	0.08	{0.01}	200	--	--	--
Rimsulfuron	Matrix	0.01	0.01	300	--	--	--
Sethoxydim	Poast	4	{0.1}	(D)	--	--	--
Simazine	Princep, others	0.2	{0.01}	36,100	0.013	0.0059	--
S-metolachlor	Dual	0.15	{0.05}	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	{0.01} *	1,400	--	--	--
Terbacil	Sinbar	0.2	{0.01} *	4,800	--	--	--
* Indicates where the European default MRL of 0.01 ppm applies because no specific MRL has been established.							
(D): NASS withheld to avoid disclosing data for individual operations.							

VII. Great Britain MRL Status

FUNGICIDES: Status of Great Britain MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Great Britain (GB) MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	UK Monitoring (2020)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	0.72	0.0016	Yes
Boscalid	Pristine	13	15	6,600	2.1	0.0035	Yes
Captan	Captan, Captevate	20	30	175,900	--	--	--
Chlorothalonil	Bravo, others	1	{0.01}	31,100	0.099	0.029	Yes
Cyprodinil	Switch, Inspire Super	3	3	8,400	1.6	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.77	0.01	Yes
Fenbuconazole	Indar	0.3	0.5	6,400	0.11	0.0052	--
Fenhexamid	Elevate, Captevate	5	20	1,300	1.2	0.013	Yes
Fenpyrazamine	Protexio	5	{4}	--	--	--	--
Fluazinam	Omega	7	{3}	--	--	--	--
Fludioxonil	Switch	2	2	5,500	--	--	Yes
Fluopyram	Luna Privilege, Luna Tranquility	7	7	2,100	0.43	0.005	Yes
Fluxapyroxad	Xemium	7	7	--	--	--	Yes
Fosetyl-Al	Aliette	40	80	--	--	--	--
Iprodione	Rovral, Iprodione	15	{0.01}	1,700	2.1	0.04	Yes
Isofetamid	Kenja	5	{4}	(D)	--	--	--

FUNGICIDES: Status of Great Britain MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Great Britain (GB) MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	UK Monitoring (2020)
Mefentrifluconazole	Cevya	5	{0.01}	--	--	--	--
Metalaxyl-M (Mefenoxam)	Ridomil	2	{0.01}	(D)	0.12	0.001	--
Metconazole	Quash	0.4	0.4	3,800	--	--	--
Oxathiapiprolin	Orondis	0.5	0.5	--	--	--	--
Penthiopyrad	Fontelis	6	7	--	--	--	Yes
Propiconazole	Tilt, Quilt Xcel, others	1	{0.01}	3,300	0.046	0.02	Yes
Prothioconazole	Proline, Propulse	2	{0.01}	1,800	--	--	Yes
Pydiflumetofen	Miravis	5	{0.01} *	--	--	--	--
Pyraclostrobin	Pristine	4	4	3,400	0.56	0.0034	Yes
Pyrimethanil	Luna Tranquility	8	8	2,500	1	0.051	Yes
Pyriofenone	Proливо	1.5	1.5	--	--	--	--
Ziram	Ziram	7	{0.1}	43,200	--	--	--

* Indicates where the GB default MRL of 0.01 ppm applies because no specific MRL has been established.

(D): NASS withheld to avoid disclosing data for individual operations.

INSECTICIDES: Status of Great Britain MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Great Britain (GB) MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	UK Monitoring (2020)
Acequinocyl	Kanemite	3	{0.01}	--	--	--	--
Acetamiprid	Assail, others	1.6	2	1,900	2	0.0016	Yes
Bifenthrin	Brigade, others	1.8	3	5,100	0.71	0.002	Yes
Carbaryl	Sevin	3	{0.01}	800	0.01	0.01	Yes
Chlorantraniliprole	Altacor	2.5	{1.5}	(D)	0.11	0.011	Yes
Cyantraniliprole	Exirel	4	4	100	--	--	Yes
Diazinon	Diazinon	0.5	{0.01}	5,200	--	--	--
Esfenvalerate	Asana	1	{0.02}	1,400	0.13	0.0056	--
Fenazaquin	Magister	0.8	{0.01}	--	0.053	0.053	Yes
Fenpropathrin	Danitol	3	{0.01}	5,900	1.4	0.021	--
Fenpyroximate	Fujimite	3	{0.4}	--	0.097	0.0067	Yes
Flupyradifurone	Sivanto	4	{0.01}	400	--	--	--
Imidacloprid	Admire, others	3.5	5	3,100	0.51	0.0034	Yes
Indoxacarb	Avaunt	1.5	{0.8}	(D)	--	--	Yes
Malathion	Malathion	8	{0.02}	60,400	0.15	0.002	--
Metaldehyde	Deadline, others	0.15	{0.05}	--	--	--	--
Methomyl	Lannate	6	{0.01}	21,700	1	0.032	--
Methoxyfenozide	Intrepid	3	4	2,900	0.28	0.0038	Yes
Methyl bromide	Methyl Bromide	20 *	{5}	--	--	--	--

INSECTICIDES: Status of Great Britain MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Great Britain (GB) MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	UK Monitoring (2020)
Novaluron	Rimon	7	7	--	0.38	0.018	Yes
Phosmet	Imidan	10	10	58,100	1.6	0.01	--
Pyrethrins	Several	1 <i>Exempt</i>	1	100	--	--	Yes
Pyriproxyfen	Knack	1	{0.05}	--	--	--	--
Spinetoram	Delegate	0.5	{0.4}	1,200	0.036	0.0034	Yes
Spinosad	Entrust, Success	0.4	1.5	2,000	0.17	0.0034	--
Spirotetramat	Movento	3	{0.7}	(D)	0.37	0.0025	--
Sulfoxaflor	Closer, Sequoia	2	{0.01}	--	--	--	Yes
Tebufenozide	Confirm	3	3	(D)	0.04	0.025	Yes
Thiamethoxam	Actara, Platinum	0.2	{0.01}	200	0.022	0.0033	Yes
Tolfenpyrad	Bexar	7	{0.01}	--	--	--	--
Zeta-Cypermethrin	Mustang Max	0.8	{0.05}	2,300	0.6	0.01	--

* Indicates where the GB default MRL of 0.01 ppm applies because no specific MRL has been established.

(D): NASS withheld to avoid disclosing data for individual operations.

HERBICIDES & OTHER: Status of Great Britain MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Great Britain (GB) MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	UK Monitoring (2020)
2,4-D	2,4 D	0.2	{0.1}	200	--	--	Yes
Carfentrazone-ethyl	Aim, Zeus	0.1	{0.01}	100	--	--	--
Clethodim	Select Max, Others	0.2	{0.1}	1,400	--	--	--
Clopyralid	Stinger	0.5	0.5	100	--	--	--
Dichlobenil	Casoron	0.15	{0.01}	200	--	--	--
Diquat dibromide	Diquat, Reglone	0.05	{0.01}	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	{0.01}	23,000	0.019	0.0046	--
Ethephon	Ethephon	20	20	3,800	--	--	Yes
Fluazifop-P-butyl	Fusilade	0.3	{0.1}	(D)	--	--	--
Flumioxazin	Chateau, others	0.02	0.02	4,800	--	--	--
Glufosinate-ammonium	Rely, others	0.15	0.9	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	{0.1}	18,500	--	--	--
Halosulfuron-methyl	Sandea	0.05	{0.01}	100	--	--	--
Hexazinone	Velpar	0.6	{0.01} *	3,500	--	--	--
Indaziflam	Alion	0.01	0.01 *	300	--	--	--
Isoxaben	Trellis	0.01	0.05	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01	1,800	--	--	--
Napropamide	Devrinol	0.1	0.1	200	--	--	--
Norflurazon	Solicam	0.2	{0.01} *	15,500	--	--	--
Oryzalin	Suflan	0.05	{0.01}	18,000	--	--	--
Paraquat dichloride	Gramoxone, others	0.05	{0.02}	11,000	--	--	--

HERBICIDES & OTHER: Status of Great Britain MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Great Britain (GB) MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	UK Monitoring (2020)
Pendimethalin	Several	0.1	{0.05}	--	--	--	Yes
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	--	--	--	--
Propyzamide	Kerb	0.05	{0.01}	--	--	--	Yes
Quinclorac	Quinstar	0.08	{0.01}	200	--	--	--
Rimsulfuron	Matrix	0.01	0.01	300	--	--	--
Sethoxydim	Poast	4	{0.1}	(D)	--	--	--
Simazine	Princep, others	0.2	{0.01}	36,100	0.013	0.0059	--
S-metolachlor	Dual	0.15	{0.05}	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	{0.01} *	1,400	--	--	--
Terbacil	Sinbar	0.2	{0.01} *	4,800	--	--	--

* Indicates where the GB default MRL of 0.01 ppm applies because no specific MRL has been established.

(D): NASS withheld to avoid disclosing data for individual operations.

VIII. Japanese MRL Status

FUNGICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Japan Monitoring (2021)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	0.72	0.0016	Yes
Boscalid	Pristine	13	{10}	6,600	2.1	0.0035	Yes
Captan	Captan, Captevate	20	20	175,900	--	--	Yes
Chlorothalonil	Bravo, others	1	1	31,100	0.099	0.029	Yes
Cyprodinil	Switch, Inspire Super	3	5	8,400	1.6	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.77	0.01	Yes
Fenbuconazole	Indar	0.3	0.7	6,400	0.11	0.0052	Yes
Fenhexamid	Elevate, Captevate	5	5	1,300	1.2	0.013	Yes
Fenpyrazamine	Protexio	5	5 **	--	--	--	Yes
Fluazinam	Omega	7	{4}	--	--	--	Yes
Fludioxonil	Switch	2	2	5,500	--	--	Yes
Fluopyram	Luna Privilege, Luna Tranquility	7	7	2,100	0.43	0.005	--
Fluxapyroxad	Xemium	7	7	--	--	--	Yes
Fosetyl-Al	Aliette	40	70	--	--	--	--
Iprodione	Rovral, Iprodione	15	15	1,700	2.1	0.04	Yes
Isofetamid	Kenja	5	5	(D)	--	--	--
Mefentrifluconazole	Cevya	5	{0.01} *	--	--	--	--
Metalaxyl-M (Mefenoxam)	Ridomil	2	2	(D)	0.12	0.001	--

FUNGICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Japan Monitoring (2021)
Metconazole	Quash	0.4	0.4	3,800	--	--	Yes
Oxathiapiprolin	Orondis	0.5	0.5	--	--	--	--
Penthiopyrad	Fontelis	6	7	--	--	--	Yes
Propiconazole	Tilt, Quilt Xcel, others	1	1	3,300	0.046	0.02	Yes
Prothioconazole	Proline, Propulse	2	2	1,800	--	--	--
Pydiflumetofen	Miravis	5	{0.01} *	--	--	--	--
Pyraclostrobin	Pristine	4	4	3,400	0.56	0.0034	Yes
Pyrimethanil	Luna Tranquility	8	{5}	2,500	1	0.051	Yes
Pyriofenone	Prolivo	1.5	2	--	--	--	--
Ziram	Ziram	7	{5}	43,200	--	--	--

* Indicates where the Japanese default MRL of 0.01 ppm applies because no specific MRL has been established.

** Indicates where the Japanese MRL is an import tolerance.

(D): NASS withheld to avoid disclosing data for individual operations.

INSECTICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
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Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Japan Monitoring (2021)
Acequinocyl	Kanemite	3	{0.01} *	--	--	--	--
Acetamiprid	Assail, others	1.6	2	1,900	2	0.0016	Yes
Bifenthrin	Brigade, others	1.8	3	5,100	0.71	0.002	Yes
Carbaryl	Sevin	3	3	800	0.01	0.01	Yes
Chlorantraniliprole	Altacor	2.5	3	(D)	0.11	0.011	Yes
Cyantraniliprole	Exirel	4	4	100	--	--	--
Diazinon	Diazinon	0.5	{0.05}	5,200	--	--	Yes
Esfenvalerate	Asana	1	1	1,400	0.13	0.0056	--
Fenazaquin	Magister	0.8	2	--	0.053	0.053	Yes
Fenpropathrin	Danitol	3	3	5,900	1.4	0.021	Yes
Fenpyroximate	Fujimite	3	{2}	--	0.097	0.0067	Yes
Flupyradifurone	Sivanto	4	4	400	--	--	--
Imidacloprid	Admire, others	3.5	4	3,100	0.51	0.0034	Yes
Indoxacarb	Avaunt	1.5	{0.01} *	(D)	--	--	Yes
Malathion	Malathion	8	10	60,400	0.15	0.002	Yes
Metaldehyde	Deadline, others	0.15	{0.01} *	--	--	--	Yes
Methomyl	Lannate	6	{1}	21,700	1	0.032	--
Methoxyfenozide	Intrepid	3	4	2,900	0.28	0.0038	Yes
Methyl bromide	Methyl Bromide	20 *	20	--	--	--	--
Novaluron	Rimon	7	7	--	0.38	0.018	Yes

INSECTICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Japan Monitoring (2021)
Phosmet	Imidan	10	10	58,100	1.6	0.01	Yes
Pyrethrins	Several	1 <i>Exempt</i>	1	100	--	--	Yes
Pyriproxyfen	Knack	1	1	--	--	--	Yes
Spinetoram	Delegate	0.5	0.5	1,200	0.036	0.0034	--
Spinosad	Entrust, Success	0.4	0.4	2,000	0.17	0.0034	Yes
Spirotetramat	Movento	3	3	(D)	0.37	0.0025	Yes
Sulfoxaflor	Closer, Sequoia	2	2 **	--	--	--	Yes
Tebufenozide	Confirm	3	3	(D)	0.04	0.025	Yes
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.022	0.0033	Yes
Tolfenpyrad	Bexar	7	{0.01} *	--	--	--	Yes
Zeta-Cypermethrin	Mustang Max	0.8	0.8	2,300	0.6	0.01	--

* Indicates where the Japanese default MRL of 0.01 ppm applies because no specific MRL has been established.

** Indicates where the Japanese MRL is an import tolerance.

(D): NASS withheld to avoid disclosing data for individual operations.

HERBICIDES & OTHER: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Japan Monitoring (2021)
2,4-D	2,4 D	0.2	0.2	200	--	--	--
Carfentrazone-ethyl	Aim, Zeus	0.1	0.1	100	--	--	Yes
Clethodim	Select Max, Others	0.2	{0.01} *	1,400	--	--	--
Clopyralid	Stinger	0.5	{0.01} *	100	--	--	--
Dichlobenil	Casoron	0.15	{0.01} *	200	--	--	--
Diquat dibromide	Diquat, Reglone	0.05	{0.01}	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	{0.05}	23,000	0.019	0.0046	Yes
Ethephon	Ethephon	20	20	3,800	--	--	Yes
Fluazifop-P-butyl	Fusilade	0.3	{0.01} *	(D)	--	--	Yes
Flumioxazin	Chateau, others	0.02	0.02	4,800	--	--	Yes
Glufosinate-ammonium	Rely, others	0.15	{0.1}	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	0.2	18,500	--	--	Yes
Halosulfuron-methyl	Sandea	0.05	0.05	100	--	--	--
Hexazinone	Velpar	0.6	{0.2}	3,500	--	--	--
Indaziflam	Alion	0.01	0.01 *	300	--	--	--
Isoxaben	Trellis	0.01	0.01 *	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01	1,800	--	--	--
Napropamide	Devrinol	0.1	0.1	200	--	--	Yes
Norflurazon	Solicam	0.2	0.2	15,500	--	--	Yes
Oryzalin	Suflan	0.05	0.08	18,000	--	--	Yes
Paraquat dichloride	Gramoxone, others	0.05	0.05	11,000	--	--	--
Pendimethalin	Several	0.1	{0.05}	--	--	--	Yes

HERBICIDES & OTHER: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Japan Monitoring (2021)
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	8		--	--	Yes
Propyzamide	Kerb	0.05	{0.01} *	--	--	--	--
Quinclorac	Quinstar	0.08	2 **	200	--	--	--
Rimsulfuron	Matrix	0.01	0.05	300	--	--	Yes
Sethoxydim	Poast	4	4	(D)	--	--	Yes
Simazine	Princep, others	0.2	0.2	36,100	0.013	0.0059	Yes
S-metolachlor	Dual	0.15	{0.01} *	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	{0.05}	1,400	--	--	Yes
Terbacil	Sinbar	0.2	{0.1}	4,800	--	--	Yes

* Indicates where the Japanese default MRL of 0.01 ppm applies because no specific MRL has been established.

** Indicates where the Japanese MRL is an import tolerance.

(D): NASS withheld to avoid disclosing data for individual operations.

IX. Korean MRL Status

FUNGICIDES: Status of Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Korea Monitoring (2021)
Azoxystrobin	Abound, Quadris, Quadris Top	5	7	13,800	0.72	0.0016	Yes
Boscalid	Pristine	13	{10} **	6,600	2.1	0.0035	Yes
Captan	Captan, Captevate	20	20 **	175,900	--	--	--
Chlorothalonil	Bravo, others	1	{0.01} *	31,100	0.099	0.029	Yes
Cyprodinil	Switch, Inspire Super	3	4 **	8,400	1.6	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4 **	400	0.77	0.01	Yes
Fenbuconazole	Indar	0.3	0.3 **	6,400	0.11	0.0052	Yes
Fenhexamid	Elevate, Captevate	5	5 **	1,300	1.2	0.013	Yes
Fenpyrazamine	Protexio	5	{4} **	--	--	--	Yes
Fluazinam	Omega	7	{5}	--	--	--	Yes
Fludioxonil	Switch	2	2 **	5,500	--	--	Yes
Fluopyram	Luna Privilege, Luna Tranquility	7	{6} **	2,100	0.43	0.005	Yes
Fluxapyroxad	Xemium	7	7 **	--	--	--	Yes
Fosetyl-Al	Aliette	40	{0.01} *	--	--	--	--
Iprodione	Rovral, Iprodione	15	{10}	1,700	2.1	0.04	Yes

FUNGICIDES: Status of Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Korea Monitoring (2021)
Isofetamid	Kenja	5	7 **	(D)	--	--	Yes
Mefentrifluconazole	Cevya	5	5 **	--	--	--	Yes
Metalaxyl-M (Mefenoxam)	Ridomil	2	{0.01} *	(D)	0.12	0.001	--
Metconazole	Quash	0.4	2	3,800	--	--	Yes
Oxathiapiprolin	Orondis	0.5	0.5 **	--	--	--	Yes
Penthiopyrad	Fontelis	6	{0.07}	--	--	--	Yes
Propiconazole	Tilt, Quilt Xcel, others	1	1	3,300	0.046	0.02	Yes
Prothioconazole	Proline, Propulse	2	{1.5} **	1,800	--	--	--
Pydiflumetofen	Miravis	5	5 **	--	--	--	Yes
Pyraclostrobin	Pristine	4	4 **	3,400	0.56	0.0034	Yes
Pyrimethanil	Luna Tranquility	8	8 **	2,500	1	0.051	Yes
Pyriofenone	Proливо	1.5	1.5 **	--	--	--	Yes
Ziram	Ziram	7	{5}	43,200	--	--	--

* Indicates where the Korean default MRL of 0.01 ppm applies because no specific MRL has been established.

** Indicates where the Korean MRL is an import tolerance.

(D): NASS withheld to avoid disclosing data for individual operations.

INSECTICIDES: Status of Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Korea Monitoring (2021)
Acequinocyl	Kanemite	3	3 **	--	--	--	--
Acetamiprid	Assail, others	1.6	{0.5}	1,900	2	0.0016	Yes
Bifenthrin	Brigade, others	1.8	1.8 **	5,100	0.71	0.002	Yes
Carbaryl	Sevin	3	{0.01} *	800	0.01	0.01	Yes
Chlorantraniliprole	Altacor	2.5	{1}	(D)	0.11	0.011	Yes
Cyantraniliprole	Exirel	4	4 **	100	--	--	Yes
Diazinon	Diazinon	0.5	{0.01} *	5,200	--	--	Yes
Esfenvalerate	Asana	1	3	1,400	0.13	0.0056	--
Fenazaquin	Magister	0.8	0.8 **	--	0.053	0.053	Yes
Fenpropathrin	Danitol	3	3 **	5,900	1.4	0.021	Yes
Fenpyroximate	Fujimite	3	{0.3}	--	0.097	0.0067	Yes
Flupyradifurone	Sivanto	4	4 **	400	--	--	Yes
Imidacloprid	Admire, others	3.5	4 **	3,100	0.51	0.0034	Yes
Indoxacarb	Avaunt	1.5	2	(D)	--	--	Yes
Malathion	Malathion	8	10 **	60,400	0.15	0.002	Yes
Metaldehyde	Deadline, others	0.15	{0.01} *	--	--	--	Yes
Methomyl	Lannate	6	6 **	21,700	1	0.032	Yes
Methoxyfenozide	Intrepid	3	3 **	2,900	0.28	0.0038	Yes
Methyl bromide	Methyl Bromide	20 *	{0.1}	--	--	--	--

INSECTICIDES: Status of Korean MRLs

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- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Korea Monitoring (2021)
Novaluron	Rimon	7	7 **	--	0.38	0.018	Yes
Phosmet	Imidan	10	10 **	58,100	1.6	0.01	Yes
Pyrethrins	Several	1 <i>Exempt</i>	1	100	--	--	--
Pyriproxyfen	Knack	1	1 **	--	--	--	Yes
Spinetoram	Delegate	0.5	{0.2} **	1,200	0.036	0.0034	Yes
Spinosad	Entrust, Success	0.4	1	2,000	0.17	0.0034	Yes
Spirotetramat	Movento	3	3	(D)	0.37	0.0025	Yes
Sulfoxaflor	Closer, Sequoia	2	2 **	--	--	--	Yes
Tebufenozide	Confirm	3	3 **	(D)	0.04	0.025	Yes
Thiamethoxam	Actara, Platinum	0.2	1	200	0.022	0.0033	Yes
Tolfenpyrad	Bexar	7	{0.01} *	--	--	--	Yes
Zeta-Cypermethrin	Mustang Max	0.8	0.8 **	2,300	0.6	0.01	--

* Indicates where the Korean default MRL of 0.01 ppm applies because no specific MRL has been established.

**Indicates where the Korean MRL is an import tolerance.

(D): NASS withheld to avoid disclosing data for individual operations.

HERBICIDES & OTHER: Status of Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Korea Monitoring (2021)
2,4-D	2,4 D	0.2	{0.03} **	200	--	--	--
Carfentrazone-ethyl	Aim, Zeus	0.1	{0.01} *	100	--	--	Yes
Clethodim	Select Max, Others	0.2	{0.01} *	1,400	--	--	--
Clopyralid	Stinger	0.5	0.5 *	100	--	--	--
Dichlobenil	Casoron	0.15	{0.01} *	200	--	--	Yes
Diquat dibromide	Diquat, Reglone	0.05	{0.01} *	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	{0.01} *	23,000	0.019	0.0046	Yes
Ethephon	Ethephon	20	{0.01} *	3,800	--	--	--
Fluazifop-P-butyl	Fusilade	0.3	{0.01} *	(D)	--	--	Yes
Flumioxazin	Chateau, others	0.02	{0.01} *	4,800	--	--	Yes
Glufosinate-ammonium	Rely, others	0.15	{0.1} **	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	{0.05}	18,500	--	--	--
Halosulfuron-methyl	Sandea	0.05	{0.01} *	100	--	--	--
Hexazinone	Velpar	0.6	{0.05} **	3,500	--	--	Yes
Indaziflam	Alion	0.01	0.01 *	300	--	--	--
Isoxaben	Trellis	0.01	0.01 *	200	--	--	Yes
Mesotrione	Callisto, others	0.01	0.01 *	1,800	--	--	Yes
Napropamide	Devrinol	0.1	{0.01} *	200	--	--	Yes
Norflurazon	Solicam	0.2	{0.01} *	15,500	--	--	Yes
Oryzalin	Suflan	0.05	{0.01} *	18,000	--	--	Yes
Paraquat dichloride	Gramoxone, others	0.05	{0.01} *	11,000	--	--	--
Pendimethalin	Several	0.1	{0.01} *	--	--	--	Yes

HERBICIDES & OTHER: Status of Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Korea Monitoring (2021)
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	{0.01} *	--	--	--	Yes
Propyzamide	Kerb	0.05	{0.01} *	--	--	--	Yes
Quinclorac	Quinstar	0.08	{0.01} *	200	--	--	--
Rimsulfuron	Matrix	0.01	0.01 *	300	--	--	--
Sethoxydim	Poast	4	{0.01} *	(D)	--	--	Yes
Simazine	Princep, others	0.2	0.2 **	36,100	0.013	0.0059	Yes
S-metolachlor	Dual	0.15	{0.1} **	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	{0.01} *	1,400	--	--	Yes
Terbacil	Sinbar	0.2	{0.01} *	4,800	--	--	Yes

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**Indicates where the Korean MRL is an import tolerance.

D: NASS withheld to avoid disclosing data for individual operations.

X. Filipino MRL Status

FUNGICIDES: Status of Filipino MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Philippines Monitoring
Azoxystrobin	Abound, Quadris, Quadris Top	5	5 (Codex)	13,800	0.72	0.0016	--
Boscalid	Pristine	13	{10} (Codex)	6,600	2.1	0.0035	--
Captan	Captan, Captevate	20	20 (Codex)	175,900	--	--	--
Chlorothalonil	Bravo, others	1	--	31,100	--	--	--
Cyprodinil	Switch, Inspire Super	3	10 (Codex)	8,400	1.6	0.005	--
Difenoconazole	Inspire Super, Quadris Top	4	4 (Codex)	400	0.77	0.01	--
Fenbuconazole	Indar	0.3	0.5 (Codex)	6,400	0.11	0.0052	--
Fenhexamid	Elevate, Captevate	5	5 (Codex)	1,300	1.2	0.013	--
Fenpyrazamine	Protexio	5	{4} (Codex)	--	--	--	--
Fluazinam	Omega	7	--	--	--	--	--
Fludioxonil	Switch	2	2 (Codex)	5,500	--	--	--
Fuopyram	Luna Privilege, Luna Tranquility	7	7 (Codex)	2,100	0.43	0.005	--
Fluxapyroxad	Xemium	7	7 (Codex)	--	--	--	--
Fosetyl-Al	Aliette	40	--	--	--	--	--
Iprodione	Rovral, Iprodione	15	--	1,700	2.1	0.04	--
Isofetamid	Kenja	5	{4} (Codex)	(D)	--	--	--

FUNGICIDES: Status of Filipino MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Philippines Monitoring
Mefentrifluconazole	Cevya	5	--	--	--	--	--
Metalaxyl-M (Mefenoxam)	Ridomil	2	--	(D)	0.12	0.001	--
Metconazole	Quash	0.4	0.5 (Codex)	3,800	--	--	--
Oxathiapiprolin	Orondis	0.5	--	--	--	--	--
Penthiopyrad	Fontelis	6	7 (Codex)	--	--	--	--
Propiconazole	Tilt, Quilt Xcel, others	1	--	3,300	0.046	0.02	--
Prothioconazole	Proline, Propulse	2	{1.5} (Codex)	1,800	--	--	--
Pydiflumetofen	Miravis	5	5 (Codex)	--	--	--	--
Pyraclostrobin	Pristine	4	4 (Codex)	3,400	0.56	0.0034	--
Pyrimethanil	Luna Tranquility	8	8 (Codex)	2,500	1	0.051	--
Pyriofenone	Proливо	1.5	1.5 (Codex)	--	--	--	--
Ziram	Ziram	7	--	43,200	--	--	--

(D): NASS withheld to avoid disclosing data for individual operations.

(Codex) Means Codex MRL applies in the absence of a Filipino MRL.

INSECTICIDES: Status of Filipino MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
- Dashes "--" indicate that no MRL has been established in the market or the residue or monitoring information are not available
- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Philippines Monitoring
Acequinocyl	Kanemite	3	--	--	--	--	
Acetamiprid	Assail, others	1.6	2 (Codex)	1,900	2	0.0016	--
Bifenthrin	Brigade, others	1.8	3 (Codex)	5,100	0.71	0.002	--
Carbaryl	Sevin	3	--	800	0.01	0.01	--
Chlorantraniliprole	Altacor	2.5	{1} (Codex)	(D)	0.11	0.011	--
Cyantraniliprole	Exirel	4	4 (Codex)	100	--	--	--
Diazinon	Diazinon	0.5	--	5,200	--	--	--
Esfenvalerate	Asana	1	--	1,400	0.13	0.0056	--
Fenazaquin	Magister	0.8	--	--	0.053	0.053	--
Fenpropathrin	Danitol	3	--	5,900	1.4	0.021	--
Fenpyroximate	Fujimite	3	--	--	0.097	0.0067	--
Flupyradifurone	Sivanto	4	4 (Codex)	400	--	--	--
Imidacloprid	Admire, others	3.5	5 (Codex)	3,100	0.51	0.0034	--
Indoxacarb	Avaunt	1.5	--	(D)	--	--	--
Malathion	Malathion	8	10 (Codex)	60,400	0.15	0.002	--
Metaldehyde	Deadline, others	0.15	--	--	--	--	--
Methomyl	Lannate	6	--	21,700	1	0.032	--
Methoxyfenozide	Intrepid	3	4 (Codex)	2,900	0.28	0.0038	--
Methyl bromide	Methyl Bromide	20 *	--	--	--	--	--
Novaluron	Rimon	7	7 (Codex)	--	0.38	0.018	--

INSECTICIDES: Status of Filipino MRLs

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Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Philippines Monitoring
Phosmet	Imidan	10	10 (Codex)	58,100	1.6	0.01	--
Pyrethrins	Several	1 <i>Exempt</i>	--	100	--	--	--
Pyriproxyfen	Knack	1	--	--	--	--	--
Spinetoram	Delegate	0.5	{0.2} (Codex)	1,200	0.036	0.0034	--
Spinosad	Entrust, Success	0.4	0.4 (Codex)	2,000	0.17	0.0034	--
Spirotetramat	Movento	3	{1.5} (Codex)	(D)	0.37	0.0025	--
Sulfoxaflor	Closer, Sequoia	2	2 (Codex)	--	--	--	--
Tebufenozide	Confirm	3	3 (Codex)	(D)	0.04	0.025	--
Thiamethoxam	Actara, Platinum	0.2	0.5 (Codex)	200	0.022	0.0033	--
Tolfenpyrad	Bexar	7	--	--	--	--	--
Zeta-Cypermethrin	Mustang Max	0.8	--	2,300	0.6	0.01	--

(D): NASS withheld to avoid disclosing data for individual operations.

(Codex) Means Codex MRL applies in the absence of a Filipino MRL.

HERBICIDES & OTHER: Status of Filipino MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
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Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest residue PDP 2021	Philippines Monitoring
2,4-D	2,4 D	0.2	{0.1} (Codex)	200	--	--	--
Carfentrazone-ethyl	Aim, Zeus	0.1	--	100	--	--	--
Clethodim	Select Max, Others	0.2	--	1,400	--	--	--
Clopyralid	Stinger	0.5	--	100	--	--	--
Dichlobenil	Casoron	0.15	--	200	--	--	--
Diquat dibromide	Diquat, Reglone	0.05	--	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	--	23,000	0.019	0.0046	--
Ethephon	Ethephon	20	--	3,800	--	--	--
Fluazifop-P-butyl	Fusilade	0.3	0.3 (Codex)	(D)	--	--	--
Flumioxazin	Chateau, others	0.02	0.02 (Codex)	4,800	--	--	--
Glufosinate-ammonium	Rely, others	0.15	{0.1} (Codex)	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	--	18,500	--	--	--
Halosulfuron-methyl	Sandea	0.05	--	100	--	--	--
Hexazinone	Velpar	0.6	--	3,500	--	--	--

HERBICIDES & OTHER: Status of Filipino MRLs

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Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest residue PDP 2021	Philippines Monitoring
Indaziflam	Alion	0.01	--	300	--	--	--
Isoxaben	Trellis	0.01	--	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01 (Codex)	1,800	--	--	--
Napropamide	Devrinol	0.1	--	200	--	--	--
Norflurazon	Solicam	0.2	--	15,500	--	--	--
Oryzalin	Suflan	0.05	--	18,000	--	--	--
Paraquat dichloride	Gramoxone, others	0.05	{0.01} (Codex)	11,000	--	--	--
Pendimethalin	Several	0.1	{0.05} (Codex)	--	--	--	--
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	--	--	--	--
Propyzamide	Kerb	0.05	--	--	--	--	--
Quinclorac	Quinstar	0.08	--	--	--	--	--
Rimsulfuron	Matrix	0.01	--	300	--	--	--
Sethoxydim	Poast	4	--	(D)	--	--	--
Simazine	Princep, others	0.2	--	36,100	0.013	0.0059	--
S-metolachlor	Dual	0.15	--	6,600	--	--	--

HERBICIDES & OTHER: Status of Filipino MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest residue PDP 2021	Philippines Monitoring
Sulfentrazone	Zeus, others	0.15	--	1,400	--	--	--
Terbacil	Sinbar	0.2	--	4,800	--	--	--

(D): NASS withheld to avoid disclosing data for individual operations.

(Codex) Means Codex MRL applies in the absence of a Filipino MRL.

XI. Taiwanese MRL Status

FUNGICIDES: Status of Taiwanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Taiwan Monitoring (2019)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	0.72	0.0016	Yes
Boscalid	Pristine	13	{10}	6,600	2.1	0.0035	Yes
Captan	Captan, Captevate	20	20	175,900	--	--	--
Chlorothalonil	Bravo, others	1	1	31,100	0.099	0.029	Yes
Cyprodinil	Switch, Inspire Super	3	3	8,400	1.6	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	{1}	400	0.77	0.01	Yes
Fenbuconazole	Indar	0.3	0.5	6,400	0.11	0.0052	Yes
Fenhexamid	Elevate, Captevate	5	5	1,300	1.2	0.013	Yes
Fenpyrazamine	Protexio	5	5	--	--	--	Yes
Fluazinam	Omega	7	--	--	--	--	Yes
Fludioxonil	Switch	2	2	5,500	--	--	Yes
Fluopyram	Luna Privilege, Luna Tranquility	7	{2}	2,100	0.43	0.005	Yes
Fluxapyroxad	Xemium	7	{5}	--	--	--	Yes
Fosetyl-Al	Aliette	40	{20}	--	--	--	--
Iprodione	Rovral, Iprodione	15	{5}	1,700	2.1	0.04	Yes
Isofetamid	Kenja	5	5	(D)	--	--	--

FUNGICIDES: Status of Taiwanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the U.S. MRL value
- Cells shaded in yellow indicate actual residues detected in USDA tests higher than foreign MRLs
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- MRLs accurate as of March 30, 2023

Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Taiwan Monitoring (2019)
Mefentrifluconazole	Cevya	5	--	--	--	--	--
Metalaxyl-M (Mefenoxam)	Ridomil	2	2	(D)	0.12	0.001	--
Metconazole	Quash	0.4	0.4	3,800	--	--	Yes
Oxathiapiprolin	Orondis	0.5	--	--	--	--	--
Penthiopyrad	Fontelis	6	--	--	--	--	Yes
Propiconazole	Tilt, Quilt Xcel, others	1	2	3,300	0.046	0.02	Yes
Prothioconazole	Proline, Propulse	2	{1.5}	1,800	--	--	--
Pydiflumetofen	Miravis	5	{2.5}	--	--	--	--
Pyraclostrobin	Pristine	4	{1}	3,400	0.56	0.0034	Yes
Pyrimethanil	Luna Tranquility	8	{7}	2,500	1	0.051	Yes
Pyriofenone	Proливо	1.5	--	--	--	--	--
Ziram	Ziram	7	{5}	43,200	--	--	--

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INSECTICIDES: Status of Taiwanese MRLs

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Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Taiwan Monitoring (2019)
Acequinocyl	Kanemite	3	--	--	--	--	--
Acetamiprid	Assail, others	1.6	{1}	1,900	2	0.0016	Yes
Bifenthrin	Brigade, others	1.8	{1}	5,100	0.71	0.002	Yes
Carbaryl	Sevin	3	{0.5}	800	0.01	0.01	Yes
Chlorantraniliprole	Altacor	2.5	{2}	(D)	0.11	0.011	Yes
Cyantraniliprole	Exirel	4	--	100	--	--	Yes
Diazinon	Diazinon	0.5	0.5	5,200	--	--	Yes
Esfenvalerate	Asana	1	1	1,400	0.13	0.0056	Yes
Fenazaquin	Magister	0.8	{0.01}	--	0.053	0.053	Yes
Fenpropathrin	Danitol	3	3	5,900	1.4	0.021	Yes
Fenpyroximate	Fujimite	3	{0.5}	--	0.097	0.0067	Yes
Flupyradifurone	Sivanto	4	4	400	--	--	Yes
Imidacloprid	Admire, others	3.5	{1}	3,100	0.51	0.0034	Yes
Indoxacarb	Avaunt	1.5	{1}	(D)	--	--	Yes
Malathion	Malathion	8	{0.01}	60,400	0.15	0.002	Yes
Metaldehyde	Deadline, others	0.15	--	--	--	--	--
Methomyl	Lannate	6	{2}	21,700	1	0.032	Yes
Methoxyfenozide	Intrepid	3	4	2,900	0.28	0.0038	Yes
Methyl bromide	Methyl Bromide	20 *	--	--	--	--	--
Novaluron	Rimon	7	--	--	0.38	0.018	Yes

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Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Taiwan Monitoring (2019)
Phosmet	Imidan	10	{1}	58,100	1.6	0.01	Yes
Pyrethrins	Several	1 <i>Exempt</i>	--	100	--	--	Yes
Pyriproxyfen	Knack	1	{0.5}	--	--	--	Yes
Spinetoram	Delegate	0.5	{0.2}	1,200	0.036	0.0034	Yes
Spinosad	Entrust, Success	0.4	0.4	2,000	0.17	0.0034	Yes
Spirotetramat	Movento	3	--	(D)	--	--	--
Sulfoxaflor	Closer, Sequoia	2	2	--	--	--	Yes
Tebufenozide	Confirm	3	{0.01}	(D)	0.04	0.025	Yes
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.022	0.0033	Yes
Tolfenpyrad	Bexar	7	{0.01}	--	--	--	Yes
Zeta-Cypermethrin	Mustang Max	0.8	2	2,300	0.6	0.01	--

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Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Taiwan Monitoring (2019)
2,4-D	2,4 D	0.2	{0.1}	200	--	--	--
Carfentrazone-ethyl	Aim, Zeus	0.1	0.1	100	--	--	Yes
Clethodim	Select Max, Others	0.2	--	1,400	--	--	Yes
Clopyralid	Stinger	0.5	--	100	--	--	--
Dichlobenil	Casoron	0.15	--	200	--	--	--
Diquat dibromide	Diquat, Reglone	0.05	--	(D)			--
Diuron	Karmex, Diuron	0.1	--	23,000	0.019	0.0046	Yes
Ethephon	Ethephon	20	{2}	3,800	--	--	--
Fluazifop-P-butyl	Fusilade	0.3	{0.01}	(D)	--	--	Yes
Flumioxazin	Chateau, others	0.02	--	4,800	--	--	--
Glufosinate-ammonium	Rely, others	0.15	{0.1}	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	0.2	18,500	--	--	--
Halosulfuron-methyl	Sandea	0.05	--	100	--	--	--
Hexazinone	Velpar	0.6	{0.01}	3,500	--	--	Yes
Indaziflam	Alion	0.01	--	300	--	--	--
Isoxaben	Trellis	0.01	--	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01	1,800	--	--	--
Napropamide	Devrinol	0.1	{0.01}	200	--	--	Yes
Norflurazon	Solicam	0.2	{0.1}	15,500	--	--	Yes
Oryzalin	Sufan	0.05	--	18,000	--	--	--

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Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Taiwan Monitoring (2019)
Paraquat dichloride	Gramoxone, others	0.05	{0.01}	11,000	--	--	--
Pendimethalin	Several	0.1	{0.01}	--	--	--	Yes
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	--	--	--	Yes
Propyzamide	Kerb	0.05	--	--	--	--	--
Quinclorac	Quinstar	0.08	--	200	--	--	--
Rimsulfuron	Matrix	0.01	--	300	--	--	--
Sethoxydim	Poast	4	--	(D)	--	--	Yes
Simazine	Princep, others	0.2	0.2	36,100	0.013	0.0059	Yes
S-metolachlor	Dual	0.15	0.15	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	{0.1}	1,400	--	--	--
Terbacil	Sinbar	0.2	--	4,800	--	--	--

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XII. Vietnamese MRL Status

FUNGICIDES: Status of Vietnamese MRLs

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Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Vietnam Monitoring
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	0.72	0.0016	--
Boscalid	Pristine	13	{10}	6,600	2.1	0.0035	--
Captan	Captan, Captevate	20	20	175,900	--	--	--
Chlorothalonil	Bravo, others	1	--	31,100	0.099	0.029	--
Cyprodinil	Switch, Inspire Super	3	10	8,400	1.6	0.005	--
Difenoconazole	Inspire Super, Quadris Top	4	--	400	0.77	0.01	--
Fenbuconazole	Indar	0.3	0.5	6,400	0.11	0.0052	--
Fenhexamid	Elevate, Captevate	5	5	1,300	1.2	0.013	--
Fenpyrazamine	Protexio	5	--	--	--	--	--
Fluazinam	Omega	7	--	--	--	--	--
Fludioxonil	Switch	2	2	5,500	--	--	--
Fluopyram	Luna Privilege, Luna Tranquility	7	--	2,100	0.43	0.005	--
Fluxapyroxad	Xemium	7	--	--	--	--	--
Fosetyl-Al	Aliette	40	--	--	--	--	--
Iprodione	Rovral, Iprodione	15	--	1,700	2.1	0.04	--
Isofetamid	Kenja	5	--	(D)	--	--	--
Mefentrifluconazole	Cevya	5	--	--	--	--	--

FUNGICIDES: Status of Vietnamese MRLs

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Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Vietnam Monitoring
Metalaxyl-M (Mefenoxam)	Ridomil	2	--	(D)	0.12	0.001	--
Metconazole	Quash	0.4	--	3,800	--	--	--
Oxathiapiprolin	Orondis	0.5	--	--	--	--	--
Penthiopyrad	Fontelis	6	--	--	--	--	--
Propiconazole	Tilt, Quilt Xcel, others	1	--	3,300	0.046	0.02	--
Prothioconazole	Proline, Propulse	2	{1.5}	1,800	--	--	--
Pydiflumetofen	Miravis	5	--	--	--	--	--
Pyraclostrobin	Pristine	4	4	3,400	0.56	0.0034	--
Pyrimethanil	Luna Tranquility	8	--	2,500	1	0.051	--
Pyriofenone	Proливо	1.5	--	--	--	--	--
Ziram	Ziram	7	--	43,200	--	--	--

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INSECTICIDES: Status of Vietnamese MRLs

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Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Vietnam Monitoring
Acequinocyl	Kanemite	3	--	--	--	--	--
Acetamiprid	Assail, others	1.6	2	1,900	2	0.0016	--
Bifenthrin	Brigade, others	1.8	--	5,100	0.71	0.002	--
Carbaryl	Sevin	3	--	800	0.01	0.01	--
Chlorantraniliprole	Altacor	2.5	{1}	(D)	0.11	0.011	--
Cyantraniliprole	Exirel	4	4	100	--	--	--
Diazinon	Diazinon	0.5	--	5,200	--	--	--
Esfenvalerate	Asana	1	--	1,400	0.13	0.0056	--
Fenazaquin	Magister	0.8	--	--	0.053	0.053	--
Fenpropathrin	Danitol	3	--	5,900	1.4	0.021	--
Fenpyroximate	Fujimite	3	--	--	0.097	0.0067	--
Flupyradifurone	Sivanto	4	--	400	--	--	--
Imidacloprid	Admire, others	3.5	5	3,100	0.51	0.0034	--
Indoxacarb	Avaunt	1.5	--	(D)	--	--	--
Malathion	Malathion	8	10	60,400	0.15	0.002	--
Metaldehyde	Deadline, others	0.15	--	--	--	--	--
Methomyl	Lannate	6	--	21,700	1	0.032	--
Methoxyfenozide	Intrepid	3	4	2,900	0.28	0.0038	--
Methyl bromide	Methyl Bromide	20 *	20	--	--	--	--
Novaluron	Rimon	7	7	--	0.38	0.018	--

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Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Vietnam Monitoring
Phosmet	Imidan	10	10	58,100	1.6	0.01	--
Pyrethrins	Several	1 <i>Exempt</i>	--	100	--	--	--
Pyriproxyfen	Knack	1	--	--	--	--	--
Spinetoram	Delegate	0.5	{0.2}	1,200	0.036	0.0034	--
Spinosad	Entrust, Success	0.4	0.4	2,000	0.17	0.0034	--
Spirotetramat	Movento	3	{1.5}	(D)	0.37	0.0025	--
Sulfoxaflor	Closer, Sequoia	2	--	--	--	--	--
Tebufozide	Confirm	3	3	(D)	0.04	0.025	--
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.022	0.0033	--
Tolfenpyrad	Bexar	7	--	--	--	--	--
Zeta-Cypermethrin	Mustang Max	0.8	--	2,300	0.6	0.01	--

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Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Vietnam Monitoring
2,4-D	2,4 D	0.2	{0.1}	200	--	--	--
Carfentrazone-ethyl	Aim, Zeus	0.1	--	100	--	--	--
Clethodim	Select Max, Others	0.2	--	1,400	--	--	--
Clopyralid	Stinger	0.5	--	100	--	--	--
Dichlobenil	Casoron	0.15	--	200	--	--	--
Diquat dibromide	Diquat, Reglone	0.05	--	(D)	--	--	--
Diuron	Karmex, Diuron	0.1	--	23,000	0.019	0.0046	--
Ethephon	Ethephon	20	20	3,800	--	--	--
Fluazifop-P-butyl	Fusilade	0.3	--	(D)	--	--	--
Flumioxazin	Chateau, others	0.02	--	4,800	--	--	--
Glufosinate-ammonium	Rely, others	0.15	{0.1}	31,500	--	--	--
Glyphosate	RoundUp, others	0.2	--	18,500	--	--	--
Halosulfuron-methyl	Sandea	0.05	--	100	--	--	--
Hexazinone	Velpar	0.6	--	3,500	--	--	--
Indaziflam	Alion	0.01	--	300	--	--	--
Isoxaben	Trellis	0.01	--	200	--	--	--
Mesotrione	Callisto, others	0.01	0.01	1,800	--	--	--
Napropamide	Devrinol	0.1	--	200	--	--	--
Norflurazon	Solicam	0.2	--	15,500	--	--	--
Oryzalin	Suflan	0.05	--	18,000	--	--	--
Paraquat dichloride	Gramoxone, others	0.05	{0.01}	11,000	--	--	--

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Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2021	Lowest Residue PDP 2021	Vietnam Monitoring
Pendimethalin	Several	0.1	--	--	--	--	--
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	--	--	--	--
Propyzamide	Kerb	0.05	--	--	--	--	--
Quinclorac	Quinstar	0.08	--	200	--	--	--
Rimsulfuron	Matrix	0.01	--	300	--	--	--
Sethoxydim	Poast	4	--	(D)	--	--	--
Simazine	Princep, others	0.2	--	36,100	0.013	0.0059	--
S-metolachlor	Dual	0.15	--	6,600	--	--	--
Sulfentrazone	Zeus, others	0.15	--	1,400	--	--	--
Terbacil	Sinbar	0.2	--	4,800	--	--	--

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