



March 31, 2022

To: U.S. Blueberry Exporters

From: Bryant Christie Inc.

Re: 2022 International Blueberry MRL Memo

On behalf of the U.S. Highbush Blueberry Council

As the 2022 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 23, 2022** 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 23, 2022**, please note that the 2022 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 2022 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 2022 season.

Contents

I. United Kingdom Transition	3
II. Summary of U.S. Monitoring Residues Program and Pesticide Residues Screening Programs in Key Export Markets	4
III. Above-MRL Possibilities According to USDA Residue Data	5
IV. Australian MRL Status.....	7
V. Canadian MRL Status.....	13
VI. Chinese MRL Status	19
VII. European Union MRL Status.....	25
VIII. Great Britain MRL Status	31
IX. Japanese MRL Status	37
X. Korean MRL Status	43
XI. Filipino MRL Status	49
XII. Taiwanese MRL Status	56
XIII. Vietnamese MRL Status	62

I. United Kingdom Transition

There is a new section that has been added to this Memo, “VIII. Great Britain MRL Status”.

The United Kingdom (UK) has left the European Union and the transition period came to an end on December 31, 2020. As of January 1, 2021, in Great Britain (England, Scotland, and Wales) a new independent pesticide regulatory regime is operating. Any new decisions taken under the EU regime on or after January 1, 2021, will not apply in Great Britain. This includes maximum residue level (MRL) decisions and any new EU plant protection product (PPP) legislation. However, Northern Ireland will continue to follow EU regulations.

To track the new Great Britain (GB) MRL system, we separated the EU and GB into two different sections. Over time the information pertaining to GB MRLs may differ from that of the European Union.

Please note that GB’s foreign pesticide residue screening program follows the UK screening program.

II. 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 **2020**. Should industry officials wish to provide additional more recent residue monitoring data in the future, it can be incorporated into the 2023 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.

III. 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	Korea
Bifenthrin	Brigade, others	Viet Nam
Difenoconazole	Inspire Super, Quadris Top	Australia, China, Viet Nam
Diuron	Karmex, Diuron	China, Philippines, Taiwan, Viet Nam
Esfenvalerate	Asana	European Union, Great Britain, Philippines, Viet Nam
Fenpropathrin	Danitol	European Union, Great Britain, Philippines, Viet Nam
Fluopyram	Luna Privilege/Tranquility	China, Viet Nam
Iprodione	Rovral, Iprodione	Canada, China, European Union, Great Britain, Philippines, Viet Nam
Malathion	Malathion	European Union, Great Britain, Taiwan
Metalaxyl-M (Mefenoxam)	Ridomil	China, European Union, Great Britain, Korea, Philippines, Viet Nam
Novaluron	Rimon	Taiwan
Pyrimethanil	Luna Tranquility	Viet Nam
Spirotetramat	Movento	Taiwan
Thiamethoxam	Actara, Platinum	European Union, Great Britain
Zeta-Cypermethrin	Mustang Max	China, European Union, Great Britain, Philippines, Viet Nam

IV. 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Australia Monitoring (2022)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	1.4	0.0017	Yes
Boscalid	Pristine	13	15	6,600	3	0.0039	Yes
Captan	Captan, Captevate	20	20	175,900			Yes
Chlorothalonil	Bravo, others	1	10	31,100			Yes
Cyprodinil	Switch, Inspire Super	3	3	8,400	0.45	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	{0.02}	400	0.42	0.013	Yes
Fenbuconazole	Indar	0.3	0.3	6,400	0.012	0.012	
Fenhexamid	Elevate, Captevate	5	5	1,300	2	0.015	Yes
Fenpyrazamine	Protexio	5	5	--			
Fluazinam	Omega	7	7	--			
Fludioxonil	Switch	2	5	5,500	1.7	0.025	Yes
Fluopyram	Luna Privilege/Tranquility	7	7	2,100	0.14	0.015	
Fluxapyroxad	Xemium	7	7	--			
Fosetyl-Al	Aliette	40	40	--			
Iprodione	Rovral, Iprodione	15	{12}	1,700	1.4	0.054	Yes
Isofetamid	Kenja	5	5	(D)			
Mefentrifluconazole	Cevya	5	{0.02}	--			

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Australia Monitoring (2022)
Metalaxyl-M (Mefenoxam)	Ridomil	2	2	(D)	0.021	0.0012	Yes
Metconazole	Quash	0.4	0.4	3,800			
Oxathiapiprolin	Orondis	0.5	{0.02}	--			
Penthiopyrad	Fontelis	6	{3}	--			
Propiconazole	Tilt, Quilt Xcel, others	1	2	3,300			Yes
Prothioconazole	Proline, Propulse	2	2	1,800			
Pydiflumetofen	Miravis	5	{3}	--			
Pyraclostrobin	Pristine	4	5	3,400	0.35	0.0037	Yes
Pyrimethanil	Luna Tranquility	8	8	2,500	0.95	0.06	Yes
Pyriofenone	Prolivo	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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Australia Monitoring (2022)
Acetamiprid	Assail, others	1.6	1.6	1,900	0.54	0.0016	
Bifenthrin	Brigade, others	1.8	3	5,100	0.11	0.0039	Yes
Carbaryl	Sevin	3	{0.02}	800			Yes
Chlorantraniliprole	Altacor	2.5	3	(D)	0.086	0.011	
Cyantraniliprole	Exirel	4	4	100			
Diazinon	Diazinon	0.5	0.5	5,200			Yes
Esfenvalerate	Asana	1	1	1,400	0.0295	0.0295	Yes
Fenazaquin	Magister	0.8	--	--			
Fenpropathrin	Danitol	3	3	5,900	0.39	0.048	
Fenpyroximate	Fujimite	3	{0.1}	--			Yes
Flupyradifurone	Sivanto	4	4	400			
Imidacloprid	Admire, others	3.5	3.5	3,100	0.18	0.0033	
Indoxacarb	Avaunt	1.5	2	(D)			Yes
Malathion	Malathion	8	10	60,400	0.057	0.0026	Yes
Metaldehyde	Deadline, others	0.15	1	--			
Methomyl	Lannate	6	{2}	21,700			Yes
Methoxyfenozide	Intrepid	3	{2}	2,900	0.016	0.0043	
Methyl bromide	Methyl Bromide	20	20	--			
Novaluron	Rimon	7	{0.1}	--	0.072	0.072	
Phosmet	Imidan	10	10	58,100	0.035	0.0076	Yes
Pyrethrins	Several	1 <i>Exempt</i>	1	100			Yes

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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Australia Monitoring (2022)
Pyriproxyfen	Knack	1	{0.1}	--			Yes
Spinetoram	Delegate	0.5	0.5	1,200	0.016	0.0044	
Spinosad	Entrust, Success	0.4	0.7	2,000			Yes
Spirotetramat	Movento	3	3	(D)	0.47	0.0051	Yes
Sulfoxaflor	Closer, Sequoia	2	{0.01}	--			
Tebufenozide	Confirm	3	3	(D)			Yes
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.12	0.0034	Yes
Tolfenpyrad	Bexar	7	--				
Zeta-Cypermethrin	Mustang Max	0.8	0.8	2,300	0.3 ^a	0.015 ^a	Yes

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

^a Tested for as cypermethrin

HERBICIDES & OTHER: 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	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	{0.05}	23,000	0.0041	0.0041	Yes
Ethephon	Ethephon	20	{10}	--			
Fluazifop-P-butyl	Fusilade	0.3	{0.2}	(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

- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Australia (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Australia Monitoring (2022)
Pendimethalin	Several	0.1	{0.05}	--			Yes
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	8	(D)			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			
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.

V. Canadian MRL Status

FUNGICIDES: 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Canada Monitoring (2016)
Azoxystrobin	Abound, Quadris, Quadris Top	5	{3}	13,800	1.4	0.0017	Yes
Boscalid	Pristine	13	{6}	6,600	3	0.0039	Yes
Captan	Captan, Captevate	20	{5}	175,900			Yes
Chlorothalonil	Bravo, others	1	{0.6}	31,100			Yes
Cyprodinil	Switch, Inspire Super	3	4	8,400	0.45	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.42	0.013	Yes
Fenbuconazole	Indar	0.3	0.3	6,400	0.012	0.012	Yes
Fenhexamid	Elevate, Captevate	5	{4}	1,300	2	0.015	Yes
Fenpyrazamine	Protexio	5	5	--			
Fluazinam	Omega	7	7	--			
Fludioxonil	Switch	2	2	5,500	1.7	0.025	Yes
Fluopyram	Luna Privilege/Tranquility	7	7	2,100	0.14	0.015	
Fluxapyroxad	Xemium	7	7	--			
Fosetyl-Al	Aliette	40	40	--			
Iprodione	Rovral, Iprodione	15	{0.07}	1,700	1.4	0.054	Yes
Isofetamid	Kenja	5	5	(D)			
Mefentrifluconazole	Cevya	5	{0.1}*	--			
Metalexyl-M (Mefenoxam)	Ridomil	2	3	(D)	0.021	0.0012	Yes
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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Canada Monitoring (2016)
Oxathiapiprolin	Orondis	0.5	0.5	--			
Penthiopyrad	Fontelis	6	6	--			
Propiconazole	Tilt, Quilt Xcel, others	1	1	3,300			Yes
Prothioconazole	Proline, Propulse	2	2	1,800			Yes
Pydiflumetofen	Miravis	5	5	--			
Pyraclostrobin	Pristine	4	{3.5}	3,400	0.35	0.0037	Yes
Pyrimethanil	Luna Tranquility	8	8	2,500	0.95	0.06	Yes
Pyriofenone	Prolivo	1.5	1.5	--			
Ziram	Ziram	7	7 Expires Dec 14, 2022	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 23, 2022

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Canada Monitoring (2016)
Pyrethrins	Several	1 <i>Exempt</i>	1	100			Yes
Pyriproxyfen	Knack	1	1.5	--			Yes
Spinetoram	Delegate	0.5	0.5	1,200	0.016	0.0044	Yes
Spinosad	Entrust, Success	0.4	0.5	2,000			
Spirotetramat	Movento	3	3	(D)	0.47	0.0051	Yes
Sulfoxaflor	Closer, Sequoia	2	{0.1}* <i>Exempt</i>	--			
Tebufenozide	Confirm	3	3	(D)			Yes
Thiamethoxam	Actara, Platinum	0.2	0.2	200	0.12	0.0034	Yes
Tolfenpyrad	Bexar	7	{0.1}* <i>Exempt</i>				Yes
Zeta-Cypermethrin	Mustang Max	0.8	0.8	2,300	0.3 ^a	0.015 ^a	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.

^a Tested for as cypermethrin

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Canada Monitoring (2016)
2,4-D	2,4 D	0.2	{0.01}	200			
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			
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	0.0041	0.0041	Yes
Ethephon	Ethephon	20	{10}	--			
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			
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			
Pendimethalin	Several	0.1	0.1*	--			Yes

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Canada (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Canada Monitoring (2016)
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	8	(D)			
Propyzamide	Kerb	0.05	0.1*	--			Yes
Quinclorac	Quinstar	0.08	0.1*	200			Yes
Rimsulfuron	Matrix	0.01	0.01	300			
Sethoxydim	Poast	4	4	(D)			Yes
Simazine	Princep, others	0.2	{0.1}* <i>Exempt</i>	36,100			Yes
S-metolachlor	Dual	0.15	0.15	6,600			Yes
Sulfentrazone	Zeus, others	0.15	0.15	1,400			Yes
Terbacil	Sinbar	0.2	{0.1}* <i>Exempt</i>	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.

VI. 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	China Monitoring
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	1.4	0.0017	
Boscalid	Pristine	13	{10}	6,600	3	0.0039	
Captan	Captan, Captevate	20	20	175,900			
Chlorothalonil	Bravo, others	1	--	31,100			
Cyprodinil	Switch, Inspire Super	3	10	8,400	0.45	0.005	
Difenoconazole	Inspire Super, Quadris Top	4	--	400	0.42	0.013	
Fenbuconazole	Indar	0.3	0.5	6,400	0.012	0.012	
Fenhexamid	Elevate, Captevate	5	5	1,300	2	0.015	
Fenpyrazamine	Protexio	5	{4}	--			
Fluazinam	Omega	7	--	--			
Fludioxonil	Switch	2	2	5,500	1.7	0.025	
Fluopyram	Luna Privilege/Tranquility	7	--	2,100	0.14	0.015	
Fluxapyroxad	Xemium	7	7	--			
Fosetyl-Al	Aliette	40	--	--			
Iprodione	Rovral, Iprodione	15	--	1,700	1.4	0.054	
Isofetamid	Kenja	5	--	(D)			
Mefentrifluconazole	Cevya	5	--	--			

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	China Monitoring
Metalaxyl-M (Mefenoxam)	Ridomil	2	--	(D)	0.021	0.0012	
Metconazole	Quash	0.4	--	3,800			
Oxathiapiprolin	Orondis	0.5	--	--			
Penthiopyrad	Fontelis	6	--	--			
Propiconazole	Tilt, Quilt Xcel, others	1	--	3,300			
Prothioconazole	Proline, Propulse	2	{1.5}	1,800			
Pydiflumetofen	Miravis	5	--	--			
Pyraclostrobin	Pristine	4	4	3,400	0.35	0.0037	
Pyrimethanil	Luna Tranquility	8	8	2,500	0.95	0.06	
Pyriofenone	Prolivo	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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	China Monitoring
Acetamiprid	Assail, others	1.6	2	1,900	0.54	0.0016	
Bifenthrin	Brigade, others	1.8	3	5,100	0.11	0.0039	
Carbaryl	Sevin	3	--	800			
Chlorantraniliprole	Altacor	2.5	{1}	(D)	0.086	0.011	
Cyantraniliprole	Exirel	4	4	100			
Diazinon	Diazinon	0.5	--	5,200			
Esfenvalerate	Asana	1	{0.2}	1,400	0.0295	0.0295	
Fenazaquin	Magister	0.8	--	--			
Fenpropathrin	Danitol	3	5	5,900	0.39	0.048	
Fenpyroximate	Fujimite	3	--	--			
Flupyradifurone	Sivanto	4	4	400			
Imidacloprid	Admire, others	3.5	5	3,100	0.18	0.0033	
Indoxacarb	Avaunt	1.5	--	(D)			
Malathion	Malathion	8	10	60,400	0.057	0.0026	
Metaldehyde	Deadline, others	0.15	--	--			
Methomyl	Lannate	6	{0.2}	21,700			
Methoxyfenozide	Intrepid	3	4	2,900	0.016	0.0043	
Methyl bromide	Methyl Bromide	20	{0.02}	--			
Novaluron	Rimon	7	7	--	0.072	0.072	
Phosmet	Imidan	10	10	58,100	0.035	0.0076	

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	China Monitoring
Pyrethrins	Several	1 <i>Exempt</i>	--	100			
Pyriproxyfen	Knack	1	--	--			
Spinetoram	Delegate	0.5	{0.2}	1,200	0.016	0.0044	
Spinosad	Entrust, Success	0.4	0.4	2,000			
Spirotetramat	Movento	3	{1.5}	(D)	0.47	0.0051	
Sulfoxaflor	Closer, Sequoia	2	--	--			
Tebufenozide	Confirm	3	3	(D)			
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.12	0.0034	
Tolfenpyrad	Bexar	7	--				
Zeta-Cypermethrin	Mustang Max	0.8	--	2,300	0.3 ^a	0.015 ^a	
D: NASS withheld to avoid disclosing data for individual operations.							
^a Tested for as cypermethrin							

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	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	0.0041	0.0041	
Ethephon	Ethephon	20	20	--			
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	Sandeal	0.05	--	100			
Hexazinone	Velpar	0.6	--	3,500			
Indaziflam	Alion	0.01	--	300			
Isoxaben	Trellis	0.01	--	200			
Mesotriione	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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	China (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	China Monitoring
Pendimethalin	Several	0.1	--	--			
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	(D)			
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			
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.

VII. 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	European Union Monitoring (2022-2024)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	1.4	0.0017	Yes
Boscalid	Pristine	13	15	6,600	3	0.0039	Yes
Captan	Captan, Captevate	20	30	175,900			Yes
Chlorothalonil	Bravo, others	1	{0.01}	31,100			Yes
Cyprodinil	Switch, Inspire Super	3	8	8,400	0.45	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.42	0.013	Yes
Fenbuconazole	Indar	0.3	0.5	6,400	0.012	0.012	Yes
Fenhexamid	Elevate, Captevate	5	20	1,300	2	0.015	Yes
Fenpyrazamine	Protexio	5	{4}	--			Yes
Fluazinam	Omega	7	{3}	--			
Fludioxonil	Switch	2	4	5,500	1.7	0.025	Yes
Fluopyram	Luna Privilege/Tranquility	7	7	2,100	0.14	0.015	Yes
Fluxapyroxad	Xemium	7	7	--			Yes
Fosetyl-Al	Aliette	40	200	--			Yes
Iprodione	Rovral, Iprodione	15	{0.01}	1,700	1.4	0.054	Yes
Isofetamid	Kenja	5	{0.01}	(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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	European Union Monitoring (2022-2024)
Mefentrifluconazole	Cevya	5	{0.01}	--			
Metalaxyl-M (Mefenoxam)	Ridomil	2	{0.01}	(D)	0.021	0.0012	Yes
Metconazole	Quash	0.4	0.4	3,800			
Oxathiapiprolin	Orondis	0.5	{0.01}	--			
Penthiopyrad	Fontelis	6	{0.01}	--			
Propiconazole	Tilt, Quilt Xcel, others	1	{0.01}	3,300			Yes
Prothioconazole	Proline, Propulse	2	{0.01}	1,800			Yes
Pydiflumetofen	Miravis	5	{0.01}* 0.01	--			
Pyraclostrobin	Pristine	4	4	3,400	0.35	0.0037	Yes
Pyrimethanil	Luna Tranquility	8	8	2,500	0.95	0.06	Yes
Pyriofenone	Prolivo	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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	European Union Monitoring (2022-2024)
Acetamiprid	Assail, others	1.6	2	1,900	0.54	0.0016	Yes
Bifenthrin	Brigade, others	1.8	3	5,100	0.11	0.0039	Yes
Carbaryl	Sevin	3	{0.01}	800			Yes
Chlorantraniliprole	Altacor	2.5	{1.5}	(D)	0.086	0.011	Yes
Cyantraniliprole	Exirel	4	4	100			
Diazinon	Diazinon	0.5	{0.01}	5,200			Yes
Esfenvalerate	Asana	1	{0.02}	1,400	0.0295	0.0295	Yes
Fenazaquin	Magister	0.8	{0.01}	--			Yes
Fenpropathrin	Danitol	3	{0.01}	5,900	0.39	0.048	Yes
Fenpyroximate	Fujimite	3	{0.4}	--			Yes
Flupyradifurone	Sivanto	4	4	400			
Imidacloprid	Admire, others	3.5	5	3,100	0.18	0.0033	Yes
Indoxacarb	Avaunt	1.5	{0.8}	(D)			Yes
Malathion	Malathion	8	{0.02}	60,400	0.057	0.0026	Yes
Metaldehyde	Deadline, others	0.15	{0.05}	--			
Methomyl	Lannate	6	{0.01}	21,700			Yes
Methoxyfenozide	Intrepid	3	4	2,900	0.016	0.0043	Yes
Methyl bromide	Methyl Bromide	20	{5}	--			Yes
Novaluron	Rimon	7	7	--	0.072	0.072	

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	European Union Monitoring (2022-2024)
Phosmet	Imidan	10	10	58,100	0.035	0.0076	Yes
Pyrethrins	Several	1 <i>Exempt</i>	1	100			
Pyriproxyfen	Knack	1	{0.05}	--			Yes
Spinetoram	Delegate	0.5	{0.4}	1,200	0.016	0.0044	Yes
Spinosad	Entrust, Success	0.4	1.5	2,000			Yes
Spirotetramat	Movento	3	{1.5}	(D)	0.47	0.0051	Yes
Sulfoxaflor	Closer, Sequoia	2	{0.01}	--			
Tebufenozide	Confirm	3	3	(D)			Yes
Thiamethoxam	Actara, Platinum	0.2	{0.01}	200	0.12	0.0034	Yes
Tolfenpyrad	Bexar	7	{0.01}* --				
Zeta-Cypermethrin	Mustang Max	0.8	{0.05}	2,300	0.3 ^a	0.015 ^a	Yes

* 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.

^a Tested for as cypermethrin

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	European Union Monitoring (2022-2024)
2,4-D	2,4 D	0.2	{0.1}	200			Yes
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	0.0041	0.0041	
Ethephon	Ethephon	20	20	--			Yes
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	0.9	31,500			Yes
Glyphosate	RoundUp, others	0.2	{0.1}	18,500			Yes
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			

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	European Union (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	European Union Monitoring (2022-2024)
Oryzalin	Suflan	0.05	{0.01}	18,000			
Paraquat dichloride	Gramoxone, others	0.05	{0.02}	11,000			
Pendimethalin	Several	0.1	{0.05}	--			Yes
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	(D)			
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			
S-metolachlor	Dual	0.15	{0.05}	6,600			
Sulfentrazone	Zeus, others	0.15	{0.01}* {0.01}*	1,400			
Terbacil	Sinbar	0.2	{0.01}* {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.

VIII. 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	UK Monitoring (2020)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	1.4	0.0017	Yes
Boscalid	Pristine	13	15	6,600	3	0.0039	Yes
Captan	Captan, Captevate	20	30	175,900			Yes
Chlorothalonil	Bravo, others	1	{0.01}	31,100			Yes
Cyprodinil	Switch, Inspire Super	3	3	8,400	0.45	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.42	0.013	Yes
Fenbuconazole	Indar	0.3	0.5	6,400	0.012	0.012	
Fenhexamid	Elevate, Captevate	5	20	1,300	2	0.015	Yes
Fenpyrazamine	Protexio	5	{4}	--			
Fluazinam	Omega	7	{3}	--			
Fludioxonil	Switch	2	2	5,500	1.7	0.025	Yes
Fluopyram	Luna Privilege/Tranquility	7	7	2,100	0.14	0.015	Yes
Fluxapyroxad	Xemium	7	7	--			Yes
Fosetyl-Al	Aliette	40	80	--			
Iprodione	Rovral, Iprodione	15	{0.01}	1,700	1.4	0.054	Yes
Isofetamid	Kenja	5	{0.01}	(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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	UK Monitoring (2020)
Mefentrifluconazole	Cevya	5	{0.01}	--			
Metalaxyl-M (Mefenoxam)	Ridomil	2	{0.01}	(D)	0.021	0.0012	Yes
Metconazole	Quash	0.4	0.4	3,800			
Oxathiapiprolin	Orondis	0.5	0.5	--			
Penthiopyrad	Fontelis	6	{0.01}	--			Yes
Propiconazole	Tilt, Quilt Xcel, others	1	{0.01}	3,300			Yes
Prothioconazole	Proline, Propulse	2	{0.01}	1,800			Yes
Pydiflumetofen	Miravis	5	{0.01}* 4	--			
Pyraclostrobin	Pristine	4	4	3,400	0.35	0.0037	Yes
Pyrimethanil	Luna Tranquility	8	8	2,500	0.95	0.06	Yes
Pyriofenone	Prolivo	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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	UK Monitoring (2020)
Acetamiprid	Assail, others	1.6	2	1,900	0.54	0.0016	Yes
Bifenthrin	Brigade, others	1.8	3	5,100	0.11	0.0039	Yes
Carbaryl	Sevin	3	{0.01}	800			
Chlorantraniliprole	Altacor	2.5	{1.5}	(D)	0.086	0.011	Yes
Cyantraniliprole	Exirel	4	4	100			Yes
Diazinon	Diazinon	0.5	{0.01}	5,200			
Esfenvalerate	Asana	1	{0.02}	1,400	0.0295	0.0295	Yes
Fenazaquin	Magister	0.8	{0.01}	--			
Fenpropathrin	Danitol	3	{0.01}	5,900	0.39	0.048	
Fenpyroximate	Fujimite	3	{0.4}	--			Yes
Flupyradifurone	Sivanto	4	{0.01}	400			
Imidacloprid	Admire, others	3.5	5	3,100	0.18	0.0033	Yes
Indoxacarb	Avaunt	1.5	{0.8}	(D)			Yes
Malathion	Malathion	8	{0.02}	60,400	0.057	0.0026	Yes
Metaldehyde	Deadline, others	0.15	{0.05}	--			
Methomyl	Lannate	6	{0.01}	21,700			
Methoxyfenozide	Intrepid	3	4	2,900	0.016	0.0043	Yes
Methyl bromide	Methyl Bromide	20	{5}	--			
Novaluron	Rimon	7	7	--	0.072	0.072	Yes

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	UK Monitoring (2020)
Phosmet	Imidan	10	10	58,100	0.035	0.0076	
Pyrethrins	Several	1 <i>Exempt</i>	1	100			Yes
Pyriproxyfen	Knack	1	{0.05}	--			Yes
Spinetoram	Delegate	0.5	{0.4}	1,200	0.016	0.0044	Yes
Spinosad	Entrust, Success	0.4	1.5	2,000			Yes
Spirotetramat	Movento	3	{0.7}	(D)	0.47	0.0051	Yes
Sulfoxaflor	Closer, Sequoia	2	{0.01}	--			Yes
Tebufenozide	Confirm	3	3	(D)			Yes
Thiamethoxam	Actara, Platinum	0.2	{0.01}	200	0.12	0.0034	
Tolfenpyrad	Bexar	7	{0.01}* 0.01				
Zeta-Cypermethrin	Mustang Max	0.8	{0.05}	2,300	0.3 ^a	0.015 ^a	Yes

* 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.

^a Tested for as cypermethrin

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	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	0.0041	0.0041	
Ethephon	Ethephon	20	20	--			Yes
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	0.9	31,500			
Glyphosate	RoundUp, others	0.2	{0.1}	18,500			Yes
Halosulfuron-methyl	Sandea	0.05	{0.01}	100			
Hexazinone	Velpar	0.6	{0.01}* {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}* {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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Great Britain (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	UK Monitoring (2020)
Pendimethalin	Several	0.1	{0.05}	--			Yes
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	(D)			
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			
S-metolachlor	Dual	0.15	{0.05}	6,600			
Sulfentrazone	Zeus, others	0.15	{0.01}* {0.01}	1,400			
Terbacil	Sinbar	0.2	{0.01}* {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.

IX. 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Japan Monitoring (2021)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	1.4	0.0017	Yes
Boscalid	Pristine	13	{10}	6,600	3	0.0039	Yes
Captan	Captan, Captevate	20	20	175,900			Yes
Chlorothalonil	Bravo, others	1	1	31,100			Yes
Cyprodinil	Switch, Inspire Super	3	5	8,400	0.45	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.42	0.013	Yes
Fenbuconazole	Indar	0.3	0.7	6,400	0.012	0.012	Yes
Fenhexamid	Elevate, Captevate	5	5	1,300	2	0.015	Yes
Fenpyrazamine	Protexio	5	5	--			Yes
Fluazinam	Omega	7	{4}	--			Yes
Fludioxonil	Switch	2	2	5,500	1.7	0.025	Yes
Fluopyram	Luna Privilege/Tranquility	7	7	2,100	0.14	0.015	
Fluxapyroxad	Xemium	7	7	--			Yes
Fosetyl-Al	Aliette	40	70	--			Yes
Iprodione	Rovral, Iprodione	15	15	1,700	1.4	0.054	Yes
Isofetamid	Kenja	5	5	(D)			
Mefentrifluconazole	Cevya	5	{0.01}* --				
Metalaxyl-M (Mefenoxam)	Ridomil	2	2	(D)	0.021	0.0012	Yes

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Japan Monitoring (2021)
Metconazole	Quash	0.4	0.4	3,800			Yes
Oxathiapiprolin	Orondis	0.5	{0.01}* 0.01	--			
Penthiopyrad	Fontelis	6	{3} 3	--			Yes
Propiconazole	Tilt, Quilt Xcel, others	1	1	3,300			Yes
Prothioconazole	Proline, Propulse	2	2	1,800			
Pydiflumetofen	Miravis	5	{0.01}* 0.01	--			
Pyraclostrobin	Pristine	4	4	3,400	0.35	0.0037	Yes
Pyrimethanil	Luna Tranquility	8	{5} 5	2,500	0.95	0.06	Yes
Pyriofenone	Prolivo	1.5	2	--			
Ziram	Ziram	7	{5} 5	43,200			

* Indicates where the Japanese 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 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Japan Monitoring (2021)
Acetamiprid	Assail, others	1.6	2	1,900	0.54	0.0016	Yes
Bifenthrin	Brigade, others	1.8	3	5,100	0.11	0.0039	Yes
Carbaryl	Sevin	3	3	800			Yes
Chlorantraniliprole	Altacor	2.5	3	(D)	0.086	0.011	Yes
Cyantraniliprole	Exirel	4	4	100			
Diazinon	Diazinon	0.5	{0.05}	5,200			Yes
Esfenvalerate	Asana	1	1	1,400	0.0295	0.0295	Yes
Fenazaquin	Magister	0.8	{0.01}* --				Yes
Fenpropathrin	Danitol	3	5	5,900	0.39	0.048	Yes
Fenpyroximate	Fujimite	3	{0.01}* --				Yes
Flupyradifurone	Sivanto	4	4	400			
Imidacloprid	Admire, others	3.5	4	3,100	0.18	0.0033	Yes
Indoxacarb	Avaunt	1.5	{0.01}* (D)				Yes
Malathion	Malathion	8	10	60,400	0.057	0.0026	Yes
Metaldehyde	Deadline, others	0.15	{0.01}* --				Yes
Methomyl	Lannate	6	{1} 21,700				Yes
Methoxyfenozide	Intrepid	3	4	2,900	0.016	0.0043	Yes
Methyl bromide	Methyl Bromide	20	20	--			Yes
Novaluron	Rimon	7	7	--	0.072	0.072	Yes
Phosmet	Imidan	10	10	58,100	0.035	0.0076	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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Japan Monitoring (2021)
Pyrethrins	Several	1 <i>Exempt</i>	1	100			Yes
Pyriproxyfen	Knack	1	1	--			Yes
Spinetoram	Delegate	0.5	0.5	1,200	0.016	0.0044	
Spinosad	Entrust, Success	0.4	0.4	2,000			Yes
Spirotetramat	Movento	3	3	(D)	0.47	0.0051	Yes
Sulfoxaflor	Closer, Sequoia	2	{0.7}	--			Yes
Tebufenozide	Confirm	3	3	(D)			Yes
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.12	0.0034	Yes
Tolfenpyrad	Bexar	7	{0.01}* 				Yes
Zeta-Cypermethrin	Mustang Max	0.8	0.8	2,300	0.3 ^a	0.015 ^a	Yes

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

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

^a Tested for as cypermethrin

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Japan Monitoring (2021)
2,4-D	2,4 D	0.2	0.2	200			Yes
Carfentrazone-ethyl	Aim, Zeus	0.1	0.1	100			Yes
Clethodim	Select Max, Others	0.2	{0.01}* 0.01	1,400			
Clopyralid	Stinger	0.5	{0.01}* 0.01	100			
Dichlobenil	Casoron	0.15	{0.01}* 0.01	200			
Diquat dibromide	Diquat, Reglone	0.05	{0.01} 0.01	(D)			Yes
Diuron	Karmex, Diuron	0.1	{0.05} 0.05	23,000	0.0041	0.0041	
Ethephon	Ethephon	20	20	--			Yes
Fluazifop-P-butyl	Fusilade	0.3	{0.01}* 0.01	(D)			Yes
Flumioxazin	Chateau, others	0.02	0.02	4,800			Yes
Glufosinate-ammonium	Rely, others	0.15	{0.1} 0.1	31,500			Yes
Glyphosate	RoundUp, others	0.2	0.2	18,500			Yes
Halosulfuron-methyl	Sandea	0.05	0.05	100			
Hexazinone	Velpar	0.6	{0.2} 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			Yes
Pendimethalin	Several	0.1	{0.05} 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Japan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Japan Monitoring (2021)
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	8	(D)			Yes
Propyzamide	Kerb	0.05	{0.01}* <i>Exempt</i>	--			
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			Yes
S-metolachlor	Dual	0.15	{0.01}* <i>Exempt</i>	6,600			Yes
Sulfentrazone	Zeus, others	0.15	{0.05} <i>Exempt</i>	1,400			Yes
Terbacil	Sinbar	0.2	{0.1} <i>Exempt</i>	4,800			Yes

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

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

X. 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Korea Monitoring (2021)
Azoxystrobin	Abound, Quadris, Quadris Top	5	7	13,800	1.4	0.0017	Yes
Boscalid	Pristine	13	{10}	6,600	3	0.0039	Yes
Captan	Captan, Captevate	20	20	175,900			
Chlorothalonil	Bravo, others	1	{0.01}* 10	31,100			Yes
Cyprodinil	Switch, Inspire Super	3	4	8,400	0.45	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	4	400	0.42	0.013	Yes
Fenbuconazole	Indar	0.3	0.3	6,400	0.012	0.012	Yes
Fenhexamid	Elevate, Captevate	5	5	1,300	2	0.015	Yes
Fenpyrazamine	Protexio	5	{4}	--			Yes
Fluazinam	Omega	7	{5}	--			Yes
Fludioxonil	Switch	2	2	5,500	1.7	0.025	Yes
Fluopyram	Luna Privilege/Tranquility	7	{6}	2,100	0.14	0.015	Yes
Fluxapyroxad	Xemium	7	7	--			Yes
Fosetyl-Al	Aliette	40	{0.01}* 10	--			
Iprodione	Rovral, Iprodione	15	{10}	1,700	1.4	0.054	Yes
Isofetamid	Kenja	5	7	(D)			
Mefentrifluconazole	Cevya	5	{0.01}* 10	--			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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Korea Monitoring (2021)
Metalaxyl-M (Mefenoxam)	Ridomil	2	{0.01}* 2	(D) 3,800	0.021 --	0.0012 --	Yes Yes
Metconazole	Quash	0.4	2				
Oxathiapiprolin	Orondis	0.5	0.5	--			Yes
Penthiopyrad	Fontelis	6	{0.07} 1	-- 3,300			Yes
Propiconazole	Tilt, Quilt Xcel, others	1	1				Yes
Prothioconazole	Proline, Propulse	2	{1.5}	1,800			
Pydiflumetofen	Miravis	5	5	--			Yes
Pyraclostrobin	Pristine	4	4	3,400	0.35	0.0037	Yes
Pyrimethanil	Luna Tranquility	8	8	2,500	0.95	0.06	Yes
Pyriofenone	Prolivo	1.5	{0.01}* 5	-- 43,200			Yes
Ziram	Ziram	7	{5}				

* Indicates where the Korean 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 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Korea Monitoring (2021)
Acetamiprid	Assail, others	1.6	{0.5}	1,900	0.54	0.0016	Yes
Bifenthrin	Brigade, others	1.8	1.8	5,100	0.11	0.0039	Yes
Carbaryl	Sevin	3	{0.01}* 	800			Yes
Chlorantraniliprole	Altacor	2.5	{1}	(D)	0.086	0.011	Yes
Cyantraniliprole	Exirel	4	4	100			Yes
Diazinon	Diazinon	0.5	{0.01}* 	5,200			Yes
Esfenvalerate	Asana	1	3 ^T	1,400	0.0295	0.0295	Yes
Fenazaquin	Magister	0.8	0.8	--			Yes
Fenpropathrin	Danitol	3	3	5,900	0.39	0.048	Yes
Fenpyroximate	Fujimite	3	{0.3}	--			Yes
Flupyradifurone	Sivanto	4	4	400			Yes
Imidacloprid	Admire, others	3.5	4	3,100	0.18	0.0033	Yes
Indoxacarb	Avaunt	1.5	2	(D)			Yes
Malathion	Malathion	8	10	60,400	0.057	0.0026	Yes
Metaldehyde	Deadline, others	0.15	{0.01}* 	--			
Methomyl	Lannate	6	6	21,700			Yes
Methoxyfenozide	Intrepid	3	3	2,900	0.016	0.0043	Yes
Methyl bromide	Methyl Bromide	20	{0.1}	--			
Novaluron	Rimon	7	7	--	0.072	0.072	Yes
Phosmet	Imidan	10	10	58,100	0.035	0.0076	Yes

INSECTICIDES: 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Korea Monitoring (2021)
Pyrethrins	Several	1 <i>Exempt</i>	1 ^T	100			
Pyriproxyfen	Knack	1	1	--			Yes
Spinetoram	Delegate	0.5	{0.2}	1,200	0.016	0.0044	Yes
Spinosad	Entrust, Success	0.4	1	2,000			Yes
Spirotetramat	Movento	3	3	(D)	0.47	0.0051	Yes
Sulfoxaflor	Closer, Sequoia	2	2	--			Yes
Tebufenozide	Confirm	3	3	(D)			Yes
Thiamethoxam	Actara, Platinum	0.2	1	200	0.12	0.0034	Yes
Tolfenpyrad	Bexar	7	{0.01}* 				Yes
Zeta-Cypermethrin	Mustang Max	0.8	0.8	2,300	0.3 ^a	0.015 ^a	Yes

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

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

^a Tested for as cypermethrin

^T Temporary MRL

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Korea (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	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			Yes
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	0.0041	0.0041		Yes
Ethephon	Ethephon	20	{0.01}* --				
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
Mesotriione	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
- 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 23, 2022

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

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

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

XI. 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Philippines Monitoring
Azoxystrobin	Abound, Quadris, Quadris Top	5	5 (Codex)	13,800	1.4	0.0017	
Boscalid	Pristine	13	{10} (Codex)	6,600	3	0.0039	
Captan	Captan, Captevate	20	20 (Codex)	175,900			
Chlorothalonil	Bravo, others	1	--	31,100			
Cyprodinil	Switch, Inspire Super	3	10 (Codex)	8,400	0.45	0.005	
Difenoconazole	Inspire Super, Quadris Top	4	4 (Codex)	400	0.42	0.013	
Fenbuconazole	Indar	0.3	0.5 (Codex)	6,400	0.012	0.012	
Fenhexamid	Elevate, Captevate	5	5 (Codex)	1,300	2	0.015	
Fenpyrazamine	Protexio	5	{4} (Codex)	--			
Fluazinam	Omega	7	--	--			
Fludioxonil	Switch	2	2 (Codex)	5,500	1.7	0.025	
Fluopyram	Luna Privilege/Tranquility	7	7 (Codex)	2,100	0.14	0.015	
Fluxapyroxad	Xemium	7	7 (Codex)	--			
Fosetyl-Al	Aliette	40	--	--			
Iprodione	Rovral, Iprodione	15	--	1,700	1.4	0.054	

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Philippines Monitoring
Isofetamid	Kenja	5	{4} (Codex)	(D)			
Mefentrifluconazole	Cevya	5	--	--			
Metalaxyl-M (Mefenoxam)	Ridomil	2	--	(D)	0.021	0.0012	
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			
Prothioconazole	Proline, Propulse	2	{1.5} (Codex)	1,800			
Pydiflumetofen	Miravis	5	--	--			
Pyraclostrobin	Pristine	4	4 (Codex)	3,400	0.35	0.0037	
Pyrimethanil	Luna Tranquility	8	8 (Codex)	2,500	0.95	0.06	
Pyriofenone	Prolivo	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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Philippines Monitoring
Acetamiprid	Assail, others	1.6	2 (Codex)	1,900	0.54	0.0016	
Bifenthrin	Brigade, others	1.8	3 (Codex)	5,100	0.11	0.0039	
Carbaryl	Sevin	3	--	800			
Chlorantraniliprole	Altacor	2.5	{1} (Codex)	(D)	0.086	0.011	
Cyantraniliprole	Exirel	4	4 (Codex)	100			
Diazinon	Diazinon	0.5	--	5,200			
Esfenvalerate	Asana	1	--	1,400	0.0295	0.0295	
Fenazaquin	Magister	0.8	--	--			
Fenpropathrin	Danitol	3	--	5,900	0.39	0.048	
Fenpyroximate	Fujimite	3	--	--			
Flupyradifurone	Sivanto	4	4 (Codex)	400			
Imidacloprid	Admire, others	3.5	5 (Codex)	3,100	0.18	0.0033	
Indoxacarb	Avaunt	1.5	--	(D)			
Malathion	Malathion	8	10 (Codex)	60,400	0.057	0.0026	
Metaldehyde	Deadline, others	0.15	--	--			
Methomyl	Lannate	6	--	21,700			
Methoxyfenozide	Intrepid	3	4 (Codex)	2,900	0.016	0.0043	
Methyl bromide	Methyl Bromide	20	20 (Codex)	--			
Novaluron	Rimon	7	7 (Codex)	--	0.072	0.072	

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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Philippines Monitoring
Phosmet	Imidan	10	10 (Codex)	58,100	0.035	0.0076	
Pyrethrins	Several	1 <i>Exempt</i>	--	100			
Pyriproxyfen	Knack	1	--	--			
Spinetoram	Delegate	0.5	{0.2} (Codex)	1,200	0.016	0.0044	
Spinosad	Entrust, Success	0.4	0.4 (Codex)	2,000			
Spirotetramat	Movento	3	{1.5} (Codex)	(D)	0.47	0.0051	
Sulfoxaflor	Closer, Sequoia	2	--	--			
Tebufenozide	Confirm	3	3 (Codex)	(D)			
Thiamethoxam	Actara, Platinum	0.2	0.5 (Codex)	200	0.12	0.0034	
Tolfenpyrad	Bexar	7	--				
Zeta-Cypermethrin	Mustang Max	0.8	--	2,300	0.3 ^a	0.015 ^a	
D: NASS withheld to avoid disclosing data for individual operations.							
(Codex) Means Codex MRL applies in the absence of a Filipino MRL.							
^a Tested for as cypermethrin							

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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	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	0.0041	0.0041	
Ethephon	Ethephon	20	--	--			
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			

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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Philippines Monitoring
Halosulfuron-methyl	Sandeal	0.05	--	100			
Hexazinone	Velpar	0.6	--	3,500			
Indaziflam	Alion	0.01	--	300			
Isoxaben	Trellis	0.01	--	200			
Mesotriione	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>	--	(D)			
Propyzamide	Kerb	0.05	--	--			
Quinclorac	Quinstar	0.08	--	200			
Rimsulfuron	Matrix	0.01	--	300			
Sethoxydim	Poast	4	--	(D)			

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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Philippines (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Philippines Monitoring
Simazine	Princep, others	0.2	--	36,100			
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.							
(Codex) Means Codex MRL applies in the absence of a Filipino MRL.							

XII. Taiwanese MRL Status

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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Taiwan Monitoring (2019)
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	1.4	0.0017	Yes
Boscalid	Pristine	13	{10}	6,600	3	0.0039	Yes
Captan	Captan, Captevate	20	20	175,900			
Chlorothalonil	Bravo, others	1	1	31,100			Yes
Cyprodinil	Switch, Inspire Super	3	3	8,400	0.45	0.005	Yes
Difenoconazole	Inspire Super, Quadris Top	4	{1}	400	0.42	0.013	Yes
Fenbuconazole	Indar	0.3	0.5	6,400	0.012	0.012	Yes
Fenhexamid	Elevate, Captevate	5	5	1,300	2	0.015	Yes
Fenpyrazamine	Protexio	5	5	--			Yes
Fluazinam	Omega	7	--	--			Yes
Fludioxonil	Switch	2	2	5,500	1.7	0.025	Yes
Fluopyram	Luna Privilege/Tranquility	7	{2}	2,100	0.14	0.015	Yes
Fluxapyroxad	Xemium	7	{5}	--			Yes
Fosetyl-Al	Aliette	40	{20}	--			
Iprodione	Rovral, Iprodione	15	{5}	1,700	1.4	0.054	Yes
Isofetamid	Kenja	5	--	(D)			Yes

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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Taiwan Monitoring (2019)
Mefen trifluconazole	Cevya	5	--	--			Yes
Metalaxyl-M (Mefenoxam)	Ridomil	2	2	(D)	0.021	0.0012	Yes
Metconazole	Quash	0.4	0.4	3,800			Yes
Oxathiapiprolin	Orondis	0.5	--	--			Yes
Penthiopyrad	Fontelis	6	--	--			Yes
Propiconazole	Tilt, Quilt Xcel, others	1	2	3,300			Yes
Prothioconazole	Proline, Propulse	2	{1.5}	1,800			Yes
Pydiflumetofen	Miravis	5	--	--			Yes
Pyraclostrobin	Pristine	4	{1}	3,400	0.35	0.0037	Yes
Pyrimethanil	Luna Tranquility	8	{7}	2,500	0.95	0.06	Yes
Pyriofenone	Prolivo	1.5	--	--			Yes
Ziram	Ziram	7	{5}	43,200			

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

INSECTICIDES: 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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Taiwan Monitoring (2019)
Acetamiprid	Assail, others	1.6	{1}	1,900	0.54	0.0016	Yes
Bifenthrin	Brigade, others	1.8	{1}	5,100	0.11	0.0039	Yes
Carbaryl	Sevin	3	{0.5}	800			Yes
Chlorantraniliprole	Altacor	2.5	{2}	(D)	0.086	0.011	Yes
Cyantraniliprole	Exirel	4	--	100			Yes
Diazinon	Diazinon	0.5	0.5	5,200			Yes
Esfenvalerate	Asana	1	1	1,400	0.0295	0.0295	Yes
Fenazaquin	Magister	0.8	{0.01}	--			Yes
Fenpropathrin	Danitol	3	3	5,900	0.39	0.048	Yes
Fenpyroximate	Fujimite	3	{0.5}	--			Yes
Flupyradifurone	Sivanto	4	4	400			Yes
Imidacloprid	Admire, others	3.5	{1}	3,100	0.18	0.0033	Yes
Indoxacarb	Avaunt	1.5	{1}	(D)			Yes
Malathion	Malathion	8	{0.01}	60,400	0.057	0.0026	Yes
Metaldehyde	Deadline, others	0.15	--	--			
Methomyl	Lannate	6	{2}	21,700			Yes
Methoxyfenozide	Intrepid	3	4	2,900	0.016	0.0043	Yes
Methyl bromide	Methyl Bromide	20	--	--			
Novaluron	Rimon	7	--	--	0.072	0.072	Yes
Phosmet	Imidan	10	{1}	58,100	0.035	0.0076	Yes

INSECTICIDES: 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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Taiwan Monitoring (2019)
Pyrethrins	Several	1 <i>Exempt</i>	--	100			Yes
Pyriproxyfen	Knack	1	{0.5}	--			Yes
Spinetoram	Delegate	0.5	{0.2}	1,200	0.016	0.0044	Yes
Spinosad	Entrust, Success	0.4	0.4	2,000			Yes
Spirotetramat	Movento	3	--	(D)	0.47	0.0051	Yes
Sulfoxaflor	Closer, Sequoia	2	--	--			Yes
Tebufenozide	Confirm	3	{0.01}	(D)			Yes
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.12	0.0034	Yes
Tolfenpyrad	Bexar	7	{0.01}				Yes
Zeta-Cypermethrin	Mustang Max	0.8	2	2,300	0.3 ^a	0.015 ^a	Yes
D: NASS withheld to avoid disclosing data for individual operations.							
^a Tested for as cypermethrin							

HERBICIDES & OTHER: 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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Taiwan Monitoring (2019)
2,4-D	2,4 D	0.2	{0.1}	200			Yes
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	0.0041	0.0041	Yes
Ethepron	Ethepron	20	{2}	--			
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	Sandeal	0.05	--	100			
Hexazinone	Velpar	0.6	{0.01}	3,500			Yes
Indaziflam	Alion	0.01	--	300			
Isoxaben	Trellis	0.01	--	200			
Mesotriione	Callisto, others	0.01	0.01	1,800			Yes
Napropamide	Devinol	0.1	{0.01}	200			Yes
Norflurazon	Solicam	0.2	{0.1}	15,500			Yes
Oryzalin	Suflan	0.05	--	18,000			

HERBICIDES & OTHER: 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
- 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Taiwan (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	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>	--	(D)			Yes
Propyzamide	Kerb	0.05	--	--			
Quinclorac	Quinstar	0.08	--	200			Yes
Rimsulfuron	Matrix	0.01	--	300			
Sethoxydim	Poast	4	--	(D)			Yes
Simazine	Princep, others	0.2	0.2	36,100			Yes
S-metolachlor	Dual	0.15	0.15	6,600			Yes
Sulfentrazone	Zeus, others	0.15	{0.1}	1,400			Yes
Terbacil	Sinbar	0.2	--	4,800			

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

XIII. Vietnamese MRL Status

FUNGICIDES: Status of Vietnamese 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Vietnam Monitoring
Azoxystrobin	Abound, Quadris, Quadris Top	5	5	13,800	1.4	0.0017	
Boscalid	Pristine	13	{10}	6,600	3	0.0039	
Captan	Captan, Captevate	20	20	175,900			
Chlorothalonil	Bravo, others	1	--	31,100			
Cyprodinil	Switch, Inspire Super	3	10	8,400	0.45	0.005	
Difenoconazole	Inspire Super, Quadris Top	4	--	400	0.42	0.013	
Fenbuconazole	Indar	0.3	0.5	6,400	0.012	0.012	
Fenhexamid	Elevate, Captevate	5	5	1,300	2	0.015	
Fenpyrazamine	Protexio	5	--	--			
Fluazinam	Omega	7	--	--			
Fludioxonil	Switch	2	2	5,500	1.7	0.025	
Fluopyram	Luna Privilege/Tranquility	7	--	2,100	0.14	0.015	
Fluxapyroxad	Xemium	7	--	--			
Fosetyl-Al	Aliette	40	--	--			
Iprodione	Rovral, Iprodione	15	--	1,700	1.4	0.054	
Isofetamid	Kenja	5	--	(D)			
Mefentrifluconazole	Cevya	5	--	--			

FUNGICIDES: Status of Vietnamese 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Vietnam Monitoring
Metalaxyl-M (Mefenoxam)	Ridomil	2	--	(D)	0.021	0.0012	
Metconazole	Quash	0.4	--	3,800			
Oxathiapiprolin	Orondis	0.5	--	--			
Penthiopyrad	Fontelis	6	--	--			
Propiconazole	Tilt, Quilt Xcel, others	1	--	3,300			
Prothioconazole	Proline, Propulse	2	{1.5}	1,800			
Pydiflumetofen	Miravis	5	--	--			
Pyraclostrobin	Pristine	4	4	3,400	0.35	0.0037	
Pyrimethanil	Luna Tranquility	8	--	2,500	0.95	0.06	
Pyriofenone	Prolivo	1.5	--	--			
Ziram	Ziram	7	--	43,200			

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

INSECTICIDES: Status of Vietnamese 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Vietnam Monitoring
Acetamiprid	Assail, others	1.6	2	1,900	0.54	0.0016	
Bifenthrin	Brigade, others	1.8	--	5,100	0.11	0.0039	
Carbaryl	Sevin	3	--	800			
Chlorantraniliprole	Altacor	2.5	{1}	(D)	0.086	0.011	
Cyantraniliprole	Exirel	4	4	100			
Diazinon	Diazinon	0.5	--	5,200			
Esfenvalerate	Asana	1	--	1,400	0.0295	0.0295	
Fenazaquin	Magister	0.8	--	--			
Fenpropathrin	Danitol	3	--	5,900	0.39	0.048	
Fenpyroximate	Fujimite	3	--	--			
Flupyradifurone	Sivanto	4	--	400			
Imidacloprid	Admire, others	3.5	5	3,100	0.18	0.0033	
Indoxacarb	Avaunt	1.5	--	(D)			
Malathion	Malathion	8	10	60,400	0.057	0.0026	
Metaldehyde	Deadline, others	0.15	--	--			
Methomyl	Lannate	6	--	21,700			
Methoxyfenozide	Intrepid	3	4	2,900	0.016	0.0043	
Methyl bromide	Methyl Bromide	20	20	--			
Novaluron	Rimon	7	7	--	0.072	0.072	
Phosmet	Imidan	10	10	58,100	0.035	0.0076	

INSECTICIDES: Status of Vietnamese 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Vietnam Monitoring
Pyrethrins	Several	1 <i>Exempt</i>	--	100			
Pyriproxyfen	Knack	1	--	--			
Spinetoram	Delegate	0.5	{0.2}	1,200	0.016	0.0044	
Spinosad	Entrust, Success	0.4	0.4	2,000			
Spirotetramat	Movento	3	{1.5}	(D)	0.47	0.0051	
Sulfoxaflor	Closer, Sequoia	2	--	--			
Tebufenozide	Confirm	3	3	(D)			
Thiamethoxam	Actara, Platinum	0.2	0.5	200	0.12	0.0034	
Tolfenpyrad	Bexar	7	--				
Zeta-Cypermethrin	Mustang Max	0.8	--	2,300	0.3 ^a	0.015 ^a	

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

^a Tested for as cypermethrin

HERBICIDES & OTHER: Status of Vietnamese 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	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	0.0041	0.0041	
Ethephon	Ethephon	20	20	--			
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	Sandeal	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 Vietnamese 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 23, 2022

Active Ingredient	Trade Name	United States (ppm)	Vietnam (ppm)	2019 NASS Application Data (lbs.)	Highest Residue PDP 2020	Lowest residue PDP 2020	Vietnam Monitoring
Pendimethalin	Several	0.1	--	--			
Piperonyl Butoxide	PBO, several	8 <i>Exempt</i>	--	(D)			
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			
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.