



BRYANT CHRISTIE INC.
GLOBAL SOLUTIONS

February 1, 2023

To: California Cherry Exporters
cc: Chris Zanolini
From: Bryant Christie Inc.
Re: 2023 International Cherry MRL Memo

On behalf of the California Cherry Board:

As the 2023 cherry season approaches and crop protection decisions are being made, BCI is pleased to provide California cherry shippers an updated international cherry maximum residue level (MRL) memo for major export markets.

While the MRL information is considered accurate as of **January 30, 2023**, please note that the 2023 International Cherry 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 must 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 Cherry MRL Memo.

Bryant Christie Inc. hopes this memo will be useful to California cherry shippers and wishes the industry success in the 2023 season.

2023 International Cherry MRL Memo

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I. Above-MRL Possibilities According to Industry Residue Data

- The following table indicates pesticides and markets where available pesticide testing data shows the possibility of an 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. In this memo, the pesticides in red indicate where a foreign MRL is more restrictive than the corresponding US 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 US 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		
Trade Name	Active Ingredient	Markets in which the detected residue would have exceeded the MRL
Admire/Nuprid	Imidacloprid	EU
Ambush/Pounce	Permethrin	EU, GB, Canada
Asana	Esfenvalerate	EU, GB
Danitol	Fenpropathrin	EU, GB
Elite/Orius	Tebuconazole	EU, GB
Fyfanon	Malathion	EU, GB
Imidan	Phosmet	Australia
Misc.	O-phenylphenol	GB, Korea, Australia
Mustang	Zeta-Cypermethrin	Korea
Piperonyl Butoxide	Piperonyl Butoxide	Korea
Procure	Triflumizole	EU, GB
Renounce/Tombstone	Cyfluthrin	Canada, Taiwan
Rovral	Iprodione	Canada, EU, GB
Sevin	Carbaryl	EU, GB, Korea, Taiwan, Australia
Tilt/Orbit	Propiconazole	EU, GB
Topsin	Thiophanate-methyl	EU, GB
Warrior II	Lambda Cyhalothrin	EU, GB

II. MRL Status of SWD Control Insecticides

The following table provides a summary of MRLs for insecticides investigated in Dr. Robert Van Steenwyck's efficacy trials in 2010.

Pesticide MRLs for SWD Insecticides in Major CA Cherry Export Markets								
MRL values listed in red brackets, { } , are more restrictive than the US MRL value. All values listed in parts per million (ppm).								
Trade Name	Active Ingredient	US	Canada	Japan	S. Korea	Taiwan	EU	Australia
Actara/Voliam Flexi	Thiamethoxam	0.5	0.5	5	1	0.5	0.6	0.5
Ambush/Pounce	Permethrin	4	{0.1} *	7	5	{2}	{0.05}	4
Asana	Esfenvalerate	3	{0.1} *	{2}	{0.5}	{1}	{0.02}	3
Assail	Acetamiprid	1.5	{1.2}	5	1.5	{1}	1.5	2
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	{0.1} *	1 Pending 0.7 Oct 26, 2023	0.6	{0.01}	{0.2}	0.3
Danitol	Fenpropathrin	5	5	5	5	5	{0.01}	5
Delegate	Spinetoram	0.3	1	0.5	{0.2}	{0.2}	2	{0.2}
Diazinon	Diazinon	0.2	{0.1} *	1	{0.01} *	1	{0.01}	0.5
Fyfanon	Malathion	8	{6}	{6}	{3}	{0.5}	{0.02}	8
Mustang	Zeta-Cypermethrin	2	2	2	{1}	2	2	2
PyGanic	Pyrethrins	1 Exempt	1	1	1	--	1	1
Renounce/Tombstone	Cyfluthrin	0.3	{0.1} *	1 Pending 0.7 Oct 26, 2023	0.6	{0.01}	{0.2}	0.3
Sevin	Carbaryl	10	10	{7}	{0.01} *	{0.5}	{0.01}	{0.02}
Success/Entrust	Spinosad	0.2	1	0.2	0.2	0.2	0.2	1
Warrior II	Lambda Cyhalothrin	0.5	0.5	0.5	{0.3}	{0.4}	{0.3}	0.5
* Indicates a default value is applied because no specific MRL has been established. (Canada: 0.1 ppm; Japan: 0.01 ppm; EU: 0.01 ppm; Korea 0.01 ppm)								
"---" Indicates there is no applicable cherry MRL. While policies differ from country to country, this generally indicates that residues are not allowed.								

III. Summary of Pesticide Residue Screening Programs in Key Export Markets

- The following table summarizes pesticides known to be analyzed in official pesticide residue screening programs in key export markets. This information is based on the most recent screening plans available for each market. This summary is for informational purposes only and is not intended to guarantee that a given pesticide will not be tested for as part of import inspection programs in foreign markets.
- **It is critical that growers, packers, and exporters understand that foreign residue screening programs change frequently, and foreign regulators may at any time choose to analyze for any of the pesticides approved for use on cherries in California.**
- Prior to shipping, exporters should first confirm that consignments comply with export market regulations.

Status of CA Cherry Pesticides in Foreign Screen Programs									
Trade Name	Active Ingredient	Pesticide Type	2019 Canada	2022 Japan	2022 Korea	2019 Taiwan	2023-25 EU ¹	2020 UK	2022 Australia
2,4-D	2,4-D	Herbicide		Yes				Yes	
Abound	Azoxystrobin	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Acramite	Bifenazate	Insecticide	Yes	Yes	Yes	Yes			
Actara/Voliam Flexi	Thiamethoxam	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Admire/Nuprid	Imidacloprid	Insecticide	Yes	Yes	Yes	Yes		Yes	
Agri-mek/ Epi-Mek	Abamectin	Insecticide	Yes	Yes	Yes	Yes		Yes	
Aim/Rage/Shark	Carfentrazone-ethyl	Herbicide	Yes	Yes	Yes	Yes			
Alion	Indaziflam	Herbicide							
Altrevin	Metaflumizone	Insecticide	Yes			Yes			
Ambush/Pounce	Permethrin	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Apogee	Prohexadione calcium	Growth Regulator							
Apollo	Clofentezine	Insecticide	Yes	Yes		Yes			
Aria/Beleaf/Carbine	Fonicamid	Insecticide	Yes	Yes	Yes	Yes		Yes	

¹ Please note that cherries were not included in Commission Implementing Regulation (EU) 2022/741 of 13 May 2022: concerning a coordinated multiannual control program of the Union for 2023, 2024, and 2025 to ensure compliance with maximum residue levels of pesticides and to assess the consumer exposure to pesticide residues in and on food of plant and animal origin and repealing Implementing Regulation (EU) 2021/601.

Status of CA Cherry Pesticides in Foreign Screen Programs

Trade Name	Active Ingredient	Pesticide Type	2019 Canada	2022 Japan	2022 Korea	2019 Taiwan	2023-25 EU ¹	2020 UK	2022 Australia
Asana	Esfenvalerate	Insecticide	Yes		Yes	Yes			
Assail	Acetamiprid	Insecticide	Yes	Yes	Yes	Yes		Yes	
Avaunt	Indoxacarb	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Baythroid XL/Leverage	Beta-cyfluthrin	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Botran/Britz	Dicloran	Fungicide	Yes	Yes	Yes	Yes			Yes
Bravo/Concert	Chlorothalonil	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Cabrio/Insignia/Pageant	Pyraclostrobin	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Cabrio/Pristine	Boscalid	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Captan/Captec	Captan	Fungicide	Yes	Yes	Yes			Yes	Yes
Casoron	Dichlobenil	Herbicide	Yes		Yes				
Centaur/Tourismo	Buprofezin	Insecticide	Yes	Yes	Yes	Yes		Yes	
Chateau	Flumioxazin	Herbicide		Yes	Yes				
Cevya	Mefentrifluconazole	Fungicide			Yes				
Cobalt/Proaxis	Gamma Cyhalothrin	Insecticide		Yes	Yes	Yes			
Danitol	Fenpropathrin	Insecticide	Yes	Yes	Yes	Yes			
Delegate	Spinetoram	Insecticide	Yes			Yes		Yes	
Desperado/Nexter	Pyridaben	Insecticide	Yes	Yes		Yes		Yes	
Diazinon	Diazinon	Insecticide	Yes	Yes	Yes	Yes			Yes
Dimethoate	Dimethoate	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
DuPont Exirel / Exirel / Minecto	Cyantraniliprole	Insecticide			Yes	Yes		Yes	
Elast/SYLLIT	Dodine	Fungicide	Yes						
Elevate	Fenhexamid	Fungicide	Yes	Yes		Yes		Yes	Yes
Elite/Orius	Tebuconazole	Fungicide	Yes		Yes	Yes		Yes	Yes
Envidor	Spirodiclofen	Insecticide	Yes	Yes		Yes		Yes	
Esteem	Pyriproxyfen	Insecticide	Yes	Yes	Yes	Yes			Yes
Fastback/Torino	Cyflufenamid	Fungicide		Yes	Yes	Yes		Yes	
Flint/Gem	Trifloxystrobin	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Fontelis	Penthiopyrad	Fungicide		Yes	Yes	Yes		Yes	

Status of CA Cherry Pesticides in Foreign Screen Programs

Trade Name	Active Ingredient	Pesticide Type	2019 Canada	2022 Japan	2022 Korea	2019 Taiwan	2023-25 EU ¹	2020 UK	2022 Australia
FujiMite	Fenpyroximate	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Fusilade	Fluazifop-P-butyl	Herbicide	Yes	Yes	Yes	Yes		Yes	
Fyfanon	Malathion	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Galigan/Oxyflow	Oxyfluorfen	Herbicide	Yes	Yes	Yes	Yes			Yes
Gatten	Flutianil	Fungicide			Yes				
Gramoxone	Paraquat dichloride	Herbicide		Yes	Yes				
Imidan	Phosmet	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Indar	Fenbuconazole	Fungicide	Yes	Yes	Yes	Yes			
Inspire	Difenoconazole	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Intrepid	Methoxyfenozide	Insecticide	Yes	Yes	Yes	Yes		Yes	
Kanemite	Acequinocyl	Insecticide				Yes			
Kasumin	Kasugamycin	Fungicide							
Kenja 400	Isofetamid	Fungicide							
Kerb	Propyzamide	Herbicide	Yes		Yes			Yes	
Kixor	Saflufenacil	Herbicide				Yes			
Lorsban/Dursban	Chlorpyrifos	Insecticide	Yes		Yes	Yes		Yes	Yes
Luna Experience	Fluopyram	Fungicide			Yes	Yes		Yes	
Magister	Fenazaquin	Insecticide	Yes	Yes		Yes		Yes	
Matrix	Rimsulfuron	Herbicide		Yes	Yes				
Merivon	Fluxapyroxad	Fungicide		Yes	Yes	Yes		Yes	
Methyl Bromide	Methyl Bromide	Insecticide		Yes				Yes	
Miravis	Pydiflumetofen	Fungicide			Yes				
Misc.	1-Naphthaleneacetamide	Growth Regulator			Yes				
Misc.	1-Naphthaleneacetic acid	Growth Regulator		Yes	Yes				
Misc.	O-phenylphenol	Fungicide	Yes	Yes				Yes	Yes
Motif	Mesotrione	Herbicide							
Movento	Spirotetramat	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Mustang	Zeta-Cypermethrin	Insecticide	Yes	Yes	Yes	Yes		Yes	

Status of CA Cherry Pesticides in Foreign Screen Programs

Trade Name	Active Ingredient	Pesticide Type	2019 Canada	2022 Japan	2022 Korea	2019 Taiwan	2023-25 EU ¹	2020 UK	2022 Australia
Penbotec	Pyrimethanil	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Pendulum/Prowl	Pendimethalin	Herbicide	Yes	Yes	Yes	Yes		Yes	Yes
Pindar	Penoxsulam	Herbicide	Yes			Yes			
Piperonyl Butoxide	Piperonyl Butoxide	Synergist	Yes	Yes	Yes	Yes			Yes
Poast	Sethoxydim	Herbicide	Yes	Yes		Yes			
Princep/Sim-Trol	Simazine	Herbicide	Yes	Yes		Yes			
Procure	Triflumizole	Fungicide	Yes	Yes	Yes	Yes		Yes	
PyGanic	Pyrethrins	Insecticide	Yes	Yes		Yes		Yes	Yes
Quash	Metconazole	Fungicide	Yes	Yes	Yes	Yes			
Nealta	Cyflumetofen	Insecticide			Yes	Yes			
Quintec	Quinoxifen	Fungicide	Yes	Yes	Yes	Yes		Yes	
Rally	Myclobutanil	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Reckon/Rely	Glufosinate-ammonium	Fungicide		Yes					
Renounce/Tombstone	Cyfluthrin	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Rhyme	Flutriafol	Fungicide	Yes	Yes	Yes	Yes		Yes	
Ridomil	Metalaxyl/Metalaxyl-M	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Rimon	Novaluron	Insecticide	Yes	Yes	Yes	Yes		Yes	
Roundup	Glyphosate	Herbicide		Yes	Yes			Yes	
Rovral	Iprodione	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Savey	Hexythiazox	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Scholar	Fludioxonil	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Select Max	Clethodim	Herbicide	Yes		Yes	Yes			
Sevin	Carbaryl	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Sivanto	Flupyradifurone	Insecticide			Yes	Yes			
Solicam	Norflurazon	Herbicide	Yes	Yes		Yes			
Spur	Clopyralid	Herbicide	Yes						
Success/Entrust	Spinosad	Insecticide		Yes	Yes	Yes		Yes	Yes
Sulfoxaflor	Sulfoxaflor	Insecticide		Yes	Yes	Yes		Yes	

Status of CA Cherry Pesticides in Foreign Screen Programs

Trade Name	Active Ingredient	Pesticide Type	2019 Canada	2022 Japan	2022 Korea	2019 Taiwan	2023-25 EU ¹	2020 UK	2022 Australia
Surflan	Oryzalin	Herbicide		Yes					
Switch	Cyprodinil	Fungicide	Yes	Yes	Yes			Yes	Yes
Tilt/Orbit	Propiconazole	Fungicide	Yes	Yes	Yes	Yes		Yes	Yes
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	Insecticide	Yes	Yes	Yes	Yes			
Topsin	Thiophanate-methyl	Fungicide	Yes	Yes	Yes*			Yes	Yes*
Treflan	Trifluralin	Herbicide	Yes	Yes	Yes	Yes			
Vendex	Fenbutatin-oxide	Insecticide		Yes		Yes		Yes	
Venue	Pyraflufen-ethyl	Herbicide	Yes		Yes	Yes			
Verdepryn 100SL	Cyclaniliprole	Insecticide			Yes				
Versys	Afidopyropen	Insecticide			Yes				
Vivando	Metrafenone	Fungicide				Yes		Yes	
Voliam	Chlorantraniliprole	Insecticide	Yes	Yes	Yes	Yes		Yes	
Warrior II	Lambda Cyhalothrin	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Zeal	Etoxazole	Insecticide	Yes	Yes	Yes	Yes			
Ziram	Ziram	Fungicide						Yes**	

* Tested for as carbendazim

** Tested for as dithiocarbamates

IV. Canadian MRL Status

INSECTICIDES: Status of Canadian MRLs						
<ul style="list-style-type: none"> MRL values listed in red brackets { } are more restrictive than the US MRL value Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs Dashes "----" indicate that no MRL has been established in the market 						
Trade Name	Active Ingredient	US MRL (ppm)	Canada MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Acramite	Bifenazate	2.5	2.5	11,155	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.5	4,915	0.002	0.032
Admire/Nuprid	Imidacloprid	3	3	13,316	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	0.09	21,063	--	--
Altrevin	Metaflumizone	0.04	0.1 *	14	--	--
Ambush/Pounce	Permethrin	4	{0.1} *	470	0.01	0.31
Apollo	Clofentezine	1	{0.1} *	2,741	--	--
Aria/Beleaf/Carbine	Flonicamid	0.6	0.6	161	--	--
Asana	Esfenvalerate	3	{0.1} *	1,589	0.01	0.04
Assail	Acetamiprid	1.5	{1.2}	638	0.03	0.21
Avaunt	Indoxacarb	0.9	{0.1} *	--	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	{0.1} *	--	--	--
Centaur/Tourismo	Buprofezin	2	2	145	--	--
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.1} *	--	--	--
Danitol	Fenpropathrin	5	5	20,230	0.01	2.29
Delegate	Spinetoram	0.3	1	1,256	0.01	0.06
Desperado/Nexter	Pyridaben	3	3	--	--	--
Diazinon	Diazinon	0.2	{0.1} *	--	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	2	--	--	--
DuPont Exirel / Exirel / Minecto	Cyantraniliprole	6	6	13	--	--
Envidor	Spirodiclofen	1	1	849	0.06	0.06
Esteem	Pyriproxyfen	1	1.5	2,037	0.002	0.03
Etofenprox	Etofenprox	5	{0.1} *	---	--	--
Fujimite	Fenpyroximate	2	2	1,418	--	--

INSECTICIDES: Status of Canadian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Canada MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Fyfanon	Malathion	8	{6}	11,287	0.003	0.43
Imidan	Phosmet	10	{7}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	6	8,662	0.002	0.11
Kanemite	Acequinocyl	1	{0.1} *	---	--	--
Magister	Fenazaquin	2	{0.1} *	4,075	--	--
Methyl Bromide	Methyl Bromide	20 *	{0.1} *	---	--	--
Movento	Spirotetramat	4.5	4.5	365	--	--
Mustang	Zeta-Cypermethrin	2	2	549	0.02	1
Nealta [®]	Cyflumetofen	1.5	{0.1} *	2,296	--	--
PyGanic	Pyrethrins	1 <i>Exempt</i>	1	438	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	{0.1} *	3	0.03	0.11
Rimon	Novaluron	8	8	590	--	--
Savey	Hexythiazox	1	1	7,783	--	--
Sevin	Carbaryl	10	10	72	0.003	0.84
Sivanto	Flupyradifurone	1.5	1.5	---	--	--
Success/Entrust	Spinosad	0.2	1	3,272	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	3	20	--	--
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	2	---	--	--
Vendex	Fenbutatin-oxide	6	{0.1} *	619	--	--
Verdepryn 100SL	Cyclaniliprole	1	{0.7}	---	--	--
Versys	Afidopyropen	0.03	0.03	---	--	--
Voliam	Chlorantraniliprole	2.5	2.5	6,647	0.01	0.06
Warrior II	Lambda Cyhalothrin	0.5	0.5	37,929	0.01	0.39
Zeal	Etoazole	1	1	7,879	0.02	0.02

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

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

FUNGICIDES: Status of Canadian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Canada MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Abound	Azoxystrobin	2	2	1,851	0.0005	0.16
Botran/Britz	Dicloran	20	{15}	---	--	--
Bravo/Concert	Chlorothalonil	0.5	0.5	234	--	--
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	2.5	20,906	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	{1.7}	10,156	0.004	0.38
Captan/Captec	Captan	50	{5}	---	0.17	0.53
Cevya	Mefentrifluconazole	4	4	---	--	--
Elast/SYLLIT	Dodine	5	{2}	---	--	--
Elevate	Fenhexamid	10	{6}	2,407	0.01	1.42
Elite/Orius	Tebuconazole	5	{3}	18,403	0.01	1.97
Fastback/Torino	Cyflufenamid	0.6	0.6	150	--	--
Flint/Gem	Trifloxystrobin	2	2	16,723	0.001	0.11
Fontelis	Penthiopyrad	4	4	11,431	0.01	0.31
Gatten	Flutianil	0.4	0.4	---	--	--
Indar	Fenbuconazole	1	{0.8}	545	0.003	0.18
Inspire	Difenoconazole	2.5	2.5	1,949	0.02	0.06
Kasumin	Kasugamycin	0.6	0.6	1,956	--	--
Kenja 400	Isofetamid	4	4	---	--	--
Luna	Fluopyram	2	2	22,302	0.01	0.34
Miravis	Pydiflumetofen	2	2	---	--	--
Misc.	O-phenylphenol	5	5	---	0.017	0.017
Penbotec	Pyrimethanil	10	10	---	--	--
Procure	Triflumizole	1.5	1.5	1,945	0.01	0.72
Quash	Metconazole	0.2	0.2	2,208	0.01	0.03

FUNGICIDES: Status of Canadian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Canada MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Quintec	Quinoxifen	0.7	0.7	8,561	0.0008	0.21
Rally	Myclobutanil	5	{1}	18,411	0.001	0.6
Rhyme	Flutriafol	1.5	1.5	880	0.02	0.02
Ridomil	Metalaxyl/ Metalaxyl-M	1	1	---	--	--
Rovral	Iprodione	20	{0.07}	13,887	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	121	--	--
Tilt/Orbit	Propiconazole	4	4	8,753	0.002	0.28
Topsin	Thiophanate-methyl	20	{5}	3,428	0.02	0.32
Vivando	Metrafenone	2	2	---	0.06	0.1
Xemium	Fluxapyroxad	3	3	10,750	0.01	0.07
Ziram	Ziram	7	{0.1} *	165	--	--

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

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

HERBICIDES: Status of Canadian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Canada MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,020	--	--
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	0.1	9,001	--	--
Alion	Indaziflam	0.01	0.01	3,652	--	--
Casoron	Dichlobenil	0.15	{0.1} *	---	--	--
Chateau	Flumioxazin	0.02	0.02	3,795	--	--
Fusilade	Fluazifop-P-butyl	0.05	0.05	312	--	--
Galigan/Oxyflow	Oxyfluorfen	0.05	0.1 *	12,929	--	--
Gramoxone	Paraquat dichloride	0.05	0.05	1,306	--	--
Kerb	Propyzamide	0.1	0.1 *	---	--	--
Kixor	Saflufenacil	0.03	0.03	---	--	--
Matrix	Rimsulfuron	0.01	0.01	5,516	--	--
Motif	Mesotrione	0.01	0.1 *	---	--	--
Pendulum/Prowl	Pendimethalin	0.1	0.1	5,771	--	--
Pindar	Penoxsulam	0.01	0.1 *	140	--	--
Poast	Sethoxydim	0.2	{0.1} *	556	--	--
Princep/Sim-Trol	Simazine	0.25 <small>Expires Jun 22, 2023</small>	{0.1} *	13	--	--
Reckon/Rely	Glufosinate-ammonium	0.3	0.3	19,016	--	--
Roundup	Glyphosate	0.2	{0.1} *	9,275	--	--
Select Max	Clethodim	0.2	0.2	7,354	--	--
Solicam	Norflurazon	0.1	0.1 *	27	--	--
Spur	Clopyralid	0.5	0.5	---	--	--
Surflan	Oryzalin	0.05	0.1 *	257	--	--
Treflan	Trifluralin	0.05	0.05	---	--	--
Venue	Pyraflufen-ethyl	0.01	0.1 *	5,268	--	--

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

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

SYNERGISTS/PLANT GROWTH REGULATORS: Status of Canadian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Canada MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,252	--	--
Misc.	1-Naphthaleneacetamide	0.1	0.1 *	---	--	--
Misc.	1-Naphthaleneacetic acid	0.1	0.1 *	---	--	--
Piperonyl Butoxide	Piperonyl Butoxide	8 <i>Exempt</i>	8	172	0.017	0.064

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

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

V. Japanese MRL Status

INSECTICIDES: Status of Japanese MRLs						
<ul style="list-style-type: none"> MRL values listed in red brackets { } are more restrictive than the US MRL value Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs Dashes "---" indicate that no MRL has been established in the market 						
Trade Name	Active Ingredient	US MRL (ppm)	Japan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	11,155	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	5	4,915	0.002	0.032
Admire/Nuprid	Imidacloprid	3	{2}	13,316	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	0.09	21,063	--	--
Altrevin	Metaflumizone	0.04	{0.01}*	14	--	--
Ambush/Pounce	Permethrin	4	7	470	0.01	0.31
Apollo	Clofentezine	1	{0.5}	2,741	--	--
Aria/Beleaf/Carbine	Flonicamid	0.6	2	161	--	--
Asana	Esfenvalerate	3	{2}	1,589	0.01	0.04
Assail	Acetamiprid	1.5	5	638	0.03	0.21
Avaunt	Indoxacarb	0.9	0.9	---	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	1 Pending 0.7 Oct 26, 2023	---	--	--
Centaur/Tourismo	Buprofezin	2	5	145	--	--
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.01}*	---	--	--
Danitol	Fenpropathrin	5	5	20,230	0.01	2.29
Delegate	Spinetoram	0.3	0.5	1,256	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.7}	---	--	--
Diazinon	Diazinon	0.2	1	---	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	2	---	--	--

INSECTICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Japan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
DuPont Exirel / Exirel / Minecto	Cyantraniliprole	6	6	13	--	--
Envidor	Spirodiclofen	1	3	849	0.06	0.06
Esteem	Pyriproxyfen	1	1	2,037	0.002	0.03
Etofenprox	Etofenprox	5	{0.01} *	---	--	--
Fujimite	Fenpyroximate	2	2	1,418	--	--
Fyfanon	Malathion	8	{6}	11,287	0.003	0.43
Imidan	Phosmet	10	{0.1}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	8,662	0.002	0.11
Kanemite	Acequinocyl	1	2	---	--	--
Magister	Fenazaquin	2	2	4,075	--	--
Methyl Bromide	Methyl Bromide	20	20	---	--	--
Movento	Spirotetramat	4.5	5	365	--	--
Mustang	Zeta-Cypermethrin	2	2	549	0.02	1
Nealta®	Cyflumetofen	1.5	10	2,296	--	--
PyGanic	Pyrethrins	1 <i>Exempt</i>	1	438	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	1 Pending 0.7 Oct 26, 2023	3	0.03	0.11
Rimon	Novaluron	8	{7}	590	--	--
Savey	Hexythiazox	1	1	7,783	--	--
Sevin	Carbaryl	10	{7}	72	0.003	0.84
Sivanto	Flupyradifurone	1.5	{0.01} *	---	--	--
Success/Entrust	Spinosad	0.2	0.2	3,272	0.005	0.17

INSECTICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Japan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Sulfoxaflor	Sulfoxaflor	3	5	20	--	--
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	{0.01} *	---	--	--
Vendex	Fenbutatin-oxide	6	10	619	--	--
Verdepryn 100SL	Cyclaniliprole	1	1	---	--	--
Versys	Afidopyropen	0.03	0.03	---	--	--
Voliam	Chlorantraniliprole	2.5	{1}	6,647	0.01	0.06
Warrior II	Lambda Cyhalothrin	0.5	0.5	37,929	0.01	0.39
Zeal	Etoxazole	1	1	7,879	0.02	0.02
* Indicates where the Japanese default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.						

FUNGICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Japan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Abound	Azoxystrobin	2	3	1,851	0.0005	0.16
Botran/Britz	Dicloran	20	{10}	---	--	--
Bravo/Concert	Chlorothalonil	0.5	0.5	234	--	--
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	3	20,906	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	{3}	10,156	0.004	0.38
Captan/Captec	Captan	50	{25}	---	0.17	0.53
Cevya	Mefentrifluconazole	4	4	---	--	--
Elast/SYLLIT	Dodine	5	{3}	---	--	--
Elevate	Fenhexamid	10	10	2,407	0.01	1.42
Elite/Orius	Tebuconazole	5	7	18,403	0.01	1.97
Fastback/Torino	Cyflufenamid	0.6	2	150	--	--
Flint/Gem	Trifloxystrobin	2	3	16,723	0.001	0.11
Fontelis	Penthiopyrad	4	5	11,431	0.01	0.31
Gatten	Flutianil	0.4	0.4	---	--	--
Indar	Fenbuconazole	1	1	545	0.003	0.18
Inspire	Difenoconazole	2.5	3	1,949	0.02	0.06
Kasumin	Kasugamycin	0.6	0.6	1,956	--	--
Kenja 400	Isofetamid	4	10	---	--	--
Luna	Fluopyram	2	5	22,302	0.01	0.34
Miravis	Pydiflumetofen	2	{0.01} *	---	--	--
Misc.	O-phenylphenol	5	{2}	---	0.017	0.017
Penbotec	Pyrimethanil	10	10	---	--	--
Procure	Triflumizole	1.5	3	1,945	0.01	0.72
Quash	Metconazole	0.2	0.2	2,208	0.01	0.03
Quintec	Quinoxifen	0.7	{0.4}	8,561	0.0008	0.21

FUNGICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Japan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Rally	Myclobutanil	5	{3}	18,411	0.001	0.6
Rhyme	Flutriafol	1.5	2	880	0.02	0.02
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.2}	---	--	--
Rovral	Iprodione	20	{10}	13,887	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	121	--	--
Tilt/Orbit	Propiconazole	4	4	8,753	0.002	0.28
Topsin	Thiophanate-methyl	20	{3}	3,428	0.02	0.32
Vivando	Metrafenone	2	2	---	0.06	0.1
Xemium	Fluxapyroxad	3	3	10,750	0.01	0.07
Ziram	Ziram	7	7	165	--	--
* Indicates where the Japanese default MRL of 0.01 ppm applies because no specific MRL has been established.						
** Detected as carbendazim						
Note: This chart includes pesticide use information from 2021; this is the most current data available.						

HERBICIDES: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Japan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,020	--	--
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	0.1	9,001	--	--
Alion	Indaziflam	0.01	0.01 *	3,652	--	--
Casoron	Dichlobenil	0.15	{0.01} *	---	--	--
Chateau	Flumioxazin	0.02	0.02	3,795	--	--
Fusilade	Fluazifop-P-butyl	0.05	{0.01} *	312	--	--
Galigan/Oxyflow	Oxyfluorfen	0.05	0.05	12,929	--	--
Gramoxone	Paraquat dichloride	0.05	0.05	1,306	--	--
Kerb	Propyzamide	0.1	{0.01} *	---	--	--
Kixor	Saflufenacil	0.03	0.03	---	--	--
Matrix	Rimsulfuron	0.01	0.01 *	5,516	--	--
Motif	Mesotrione	0.01	0.01 *	---	--	--
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,771	--	--
Pindar	Penoxsulam	0.01	0.01 *	140	--	--
Poast	Sethoxydim	0.2	{0.01} *	556	--	--
Princep/Sim-Trol	Simazine	0.25 <small>Expires Jun 22, 2023</small>	{0.2}	13	--	--
Reckon/Rely	Glufosinate-ammonium	0.3	0.3	19,016	--	--
Roundup	Glyphosate	0.2	0.2	9,275	--	--
Select Max	Clethodim	0.2	{0.01} *	7,354	--	--
Solicam	Norflurazon	0.1	0.1	27	--	--
Spur	Clopyralid	0.5	0.5	---	--	--
Surflan	Oryzalin	0.05	0.08	257	--	--
Treflan	Trifluralin	0.05	0.05	---	--	--
Venue	Pyraflufen-ethyl	0.01	0.02 <small>Pending 0.01 Aug 10, 2023</small>	5,268	--	--

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

SYNERGISTS/PLANT GROWTH REGULATORS: Status of Japanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "----" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Japan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,252	--	--
Misc.	1-Naphthaleneacetamide	0.1	{0.01} *	---	--	--
Misc.	1-Naphthaleneacetic acid	0.1	0.1	---	--	--
Piperonyl Butoxide	Piperonyl Butoxide	8 <i>Exempt</i>	8	172	0.017	0.064
* Indicates where the Japanese default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.						

VI. European Union MRL Status

INSECTICIDES: Status of EU MRLs						
<ul style="list-style-type: none"> MRL values listed in red brackets { } are more restrictive than the US MRL value Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs Dashes "---" indicate that no MRL has been established in the market 						
Trade Name	Active Ingredient	US MRL (ppm)	EU MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	11,155	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.6	4,915	0.002	0.032
Admire/Nuprid	Imidacloprid	3	{0.01}	13,316	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	{0.01}	21,063	--	--
Altrevin	Metaflumizone	0.04	{0.02}	14	--	--
Ambush/Pounce	Permethrin	4	{0.05}	470	0.01	0.31
Apollo	Clofentezine	1	{0.02}	2,741	--	--
Aria/Beleaf/Carbine	Fonicamid	0.6	{0.4}	161	--	--
Asana	Esfenvalerate	3	{0.02}	1,589	0.01	0.04
Assail	Acetamiprid	1.5	1.5	638	0.03	0.21
Avaunt	Indoxacarb	0.9	1	---	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	{0.2}	---	--	--
Centaur/Tourismo	Buprofezin	2	{0.01}	145	--	--
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.3}	---	--	--
Danitol	Fenpropathrin	5	{0.01}	20,230	0.01	2.29
Delegate	Spinetoram	0.3	2	1,256	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.01}	---	--	--
Diazinon	Diazinon	0.2	{0.01}	---	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	{0.01}	---	--	--
DuPont Exirel / Exirel / Minecto	Cyantraniliprole	6	6	13	--	--

INSECTICIDES: Status of EU MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	EU MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Envidor	Spirodiclofen	1	2	849	0.06	0.06
Esteem	Pyriproxyfen	1	1	2,037	0.002	0.03
Etofenprox	Etofenprox	5	{0.8}	---	--	--
Fujimite	Fenpyroximate	2	2	1,418	--	--
Fyfanon	Malathion	8	{0.02}	11,287	0.003	0.43
Imidan	Phosmet	10	{1}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	8,662	0.002	0.11
Kanemite	Acequinocyl	1	{0.1}	---	--	--
Magister	Fenazaquin	2	{0.01}	4,075	--	--
Methyl Bromide	Methyl Bromide	20	20	---	--	--
Movento	Spirotetramat	4.5	{3}	365	--	--
Mustang	Zeta-Cypermethrin	2	2	549	0.02	1
Nealta [®]	Cyflumetofen	1.5	{0.01} *	2,296	--	--
PyGanic	Pyrethrins	1 <i>Exempt</i>	1	438	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	{0.2}	3	0.03	0.11
Rimon	Novaluron	8	{7}	590	--	--
Savey	Hexythiazox	1	1.5	7,783	--	--
Sevin	Carbaryl	10	{0.01}	72	0.003	0.84
Sivanto	Flupyradifurone	1.5	{0.01}	---	--	--
Success/Entrust	Spinosad	0.2	0.2	3,272	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	{1.5}	20	--	--
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	{0.01} *	---	--	--
Vendex	Fenbutatin-oxide	6	{0.01}	619	--	--
Verdepryn 100SL	Cyclaniliprole	1	{0.01}	---	--	--
Versys	Afidopyropen	0.03	{0.01} *	---	--	--

INSECTICIDES: Status of EU MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	EU MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Voliam	Chlorantraniliprole	2.5	{1}	6,647	0.01	0.06
Warrior II	Lambda Cyhalothrin	0.5	{0.3}	37,929	0.01	0.39
Zeal	Etoxazole	1	{0.3}	7,879	0.02	0.02
* Indicates where the EU default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.						

FUNGICIDES: Status of EU MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "----" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	EU MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Abound	Azoxystrobin	2	2	1,851	0.0005	0.16
Botran/Britz	Dicloran	20	{0.01}	---	--	--
Bravo/Concert	Chlorothalonil	0.5	{0.01}	234	--	--
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	3	20,906	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	5	10,156	0.004	0.38
Captan/Captec	Captan	50	{6}	---	0.17	0.53
Cevya	Mefentrifluconazole	4	{2}	---	--	--
Elast/SYLLIT	Dodine	5	{3}	---	--	--
Elevate	Fenhexamid	10	{7}	2,407	0.01	1.42
Elite/Orius	Tebuconazole	5	{1}	18,403	0.01	1.97
Fastback/Torino	Cyflufenamid	0.6	{0.1}	150	--	--
Flint/Gem	Trifloxystrobin	2	3	16,723	0.001	0.11
Fontelis	Penthiopyrad	4	4	11,431	0.01	0.31
Gatten	Flutianil	0.4	0.4	---	--	--
Indar	Fenbuconazole	1	1	545	0.003	0.18
Inspire	Difenoconazole	2.5	{0.3}	1,949	0.02	0.06
Kasumin	Kasugamycin	0.6	{0.01} *	1,956	--	--
Kenja 400	Isofetamid	4	4	---	--	--
Luna	Fluopyram	2	2	22,302	0.01	0.34
Miravis	Pydiflumetofen	2	{0.01} *	---	--	--
Misc.	O-phenylphenol	5	{0.01}	---	0.017	0.017
Penbotec	Pyrimethanil	10	{4}	---	--	--
Procure	Triflumizole	1.5	{0.02}	1,945	0.01	0.72
Quash	Metconazole	0.2	0.2	2,208	0.01	0.03
Quintec	Quinoxifen	0.7	{0.3}	8,561	0.0008	0.21
Rally	Myclobutanil	5	{3}	18,411	0.001	0.6

FUNGICIDES: Status of EU MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	EU MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Rhyme	Flutriafol	1.5	{1}	880	0.02	0.02
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.01}	---	--	--
Rovral	Iprodione	20	{0.01}	13,887	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	121	--	--
Tilt/Orbit	Propiconazole	4	{0.01}	8,753	0.002	0.28
Topsin	Thiophanate-methyl	20	{0.3}	3,428	0.02	0.32
Vivando	Metrafenone	2	2	---	0.06	0.1
Xemium	Fluxapyroxad	3	3	10,750	0.01	0.07
Ziram	Ziram	7	{5}	165	--	--

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

Note: This chart includes pesticide use information from 2021; this is the most current data available.

HERBICIDES: Status of EU MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	EU MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,020	--	--
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	{0.02}	9,001	--	--
Alion	Indaziflam	0.01	0.01 *	3,652	--	--
Casoron	Dichlobenil	0.15	{0.01}	---	--	--
Chateau	Flumioxazin	0.02	0.02	3,795	--	--
Fusilade	Fluazifop-P-butyl	0.05	{0.01}	312	--	--
Galigan/Oxyflow	Oxyfluorfen	0.05	0.1 Pending 0.01 Feb 21, 2023	12,929	--	--
Gramoxone	Paraquat dichloride	0.05	{0.02}	1,306	--	--
Kerb	Propyzamide	0.1	{0.02}	---	--	--
Kixor	Saflufenacil	0.03	0.03	---	--	--
Matrix	Rimsulfuron	0.01	0.01	5,516	--	--
Motif	Mesotrione	0.01	0.01	---	--	--
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,771	--	--
Pindar	Penoxsulam	0.01	0.01	140	--	--
Poast	Sethoxydim	0.2	{0.1}	556	--	--
Princep/Sim-Trol	Simazine	0.25 Expires Jun 22, 2023	0.25	13	--	--
Reckon/Rely	Glufosinate-ammonium	0.3	{0.15}	19,016	--	--
Roundup	Glyphosate	0.2	{0.1}	9,275	--	--
Select Max	Clethodim	0.2	{0.1}	7,354	--	--
Solicam	Norflurazon	0.1	{0.01} *	27	--	--
Spur	Clopyralid	0.5	0.5	---	--	--
Surflan	Oryzalin	0.05	{0.01}	257	--	--
Treflan	Trifluralin	0.05	{0.01}	---	--	--
Venue	Pyraflufen-ethyl	0.01	0.02	5,268	--	--

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

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

SYNERGISTS/PLANT GROWTH REGULATORS: Status of EU MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "----" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	EU MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,252	--	--
Misc.	1-Naphthaleneacetamide	0.1	{0.06}	---	--	--
Misc.	1-Naphthaleneacetic acid	0.1	{0.06}	---	--	--
Piperonyl Butoxide	Piperonyl Butoxide	8 <i>Exempt</i>	--	172	0.017	0.064
* Indicates where the EU default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.						

VII. Great Britain MRL Status

INSECTICIDES: Status of Great Britain (GB) MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US 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 and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	GB MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	11,155	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.6	4,915	0.002	0.032
Admire/Nuprid	Imidacloprid	3	{0.5}	13,316	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	{0.01}	21,063	--	--
Altrevin	Metaflumizone	0.04	0.05	14	--	--
Ambush/Pounce	Permethrin	4	{0.05}	470	0.01	0.31
Apollo	Clofentezine	1	{0.02}	2,741	--	--
Aria/Beleaf/Carbine	Flonicamid	0.6	{0.4}	161	--	--
Asana	Esfenvalerate	3	{0.02}	1,589	0.01	0.04
Assail	Acetamiprid	1.5	1.5	638	0.03	0.21
Avaunt	Indoxacarb	0.9	1	---	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	{0.2}	---	--	--
Centaur/Tourismo	Buprofezin	2	{0.01}	145	--	--
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.3}	---	--	--
Danitol	Fenpropathrin	5	{0.01}	20,230	0.01	2.29
Delegate	Spinetoram	0.3	2	1,256	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.01}	---	--	--
Diazinon	Diazinon	0.2	{0.01}	---	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	{0.01}	---	--	--
Envidor	Spirodiclofen	1	2	849	0.06	0.06

INSECTICIDES: Status of Great Britain (GB) MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US 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 and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	GB MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Esteem	Pyriproxyfen	1	1	2,037	0.002	0.03
Etofenprox	Etofenprox	5	{0.8}	---	--	--
Fujimite	Fenpyroximate	2	2	1,418	--	--
Fyfanon	Malathion	8	{0.02}	11,287	0.003	0.43
Imidan	Phosmet	10	{1}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	8,662	0.002	0.11
Kanemite	Acequinocyl	1	{0.1}	---	--	--
Magister	Fenazaquin	2	{0.3}	4,075	--	--
Methyl Bromide	Methyl Bromide	20	20	---	--	--
Movento	Spirotetramat	4.5	{3}	365	--	--
Mustang	Zeta-Cypermethrin	2	2	549	0.02	1
Nealta [®]	Cyflumetofen	1.5	{0.01}*	2,296	--	--
PyGanic	Pyrethrins	1 <i>Exempt</i>	1	438	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	{0.2}	3	0.03	0.11
Rimon	Novaluron	8	{7}	590	--	--
Savey	Hexythiazox	1	1	7,783	--	--
Sevin	Carbaryl	10	{0.01}	72	0.003	0.84
Sivanto	Flupyradifurone	1.5	{0.01}	---	--	--
Success/Entrust	Spinosad	0.2	0.2	3,272	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	{1.5}	20	--	--
Envidor	Spirodiclofen	1	2	849	0.06	0.06
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	{0.01}	---	--	--
Vendex	Fenbutatin-oxide	6	{0.01}	619	--	--
Verdepryn 100SL	Cyclaniliprole	1	{0.01}	---	--	--

INSECTICIDES: Status of Great Britain (GB) MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US 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 and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	GB MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Versys	Afidopyropen	0.03	0.03	---	--	--
Voliam	Chlorantraniliprole	2.5	{1}	6,647	0.01	0.06
Warrior II	Lambda Cyhalothrin	0.5	{0.3}	37,929	0.01	0.39
Zeal	Etoxazole	1	{0.3}	7,879	0.02	0.02
* Indicates where the GB default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.						

FUNGICIDES: Status of GB MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Great Britain MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	GB MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Abound	Azoxystrobin	2	2	1,851	0.0005	0.16
Botran/Britz	Dicloran	20	{0.01}	---	--	--
Bravo/Concert	Chlorothalonil	0.5	{0.01}	234	--	--
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	3	20,906	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	5	10,156	0.004	0.38
Captan/Captec	Captan	50	{6}	---	0.17	0.53
Cevya	Mefentrifluconazole	4	{2}	---	--	--
Elast/SYLLIT	Dodine	5	{3}	---	--	--
Elevate	Fenhexamid	10	{7}	2,407	0.01	1.42
Elite/Orius	Tebuconazole	5	{1}	18,403	0.01	1.97
Fastback/Torino	Cyflufenamid	0.6	{0.1}	150	--	--
Flint/Gem	Trifloxystrobin	2	3	16,723	0.001	0.11
Fontelis	Penthiopyrad	4	4	11,431	0.01	0.31
Gatten	Flutianil	0.4	0.4	---	--	--
Indar	Fenbuconazole	1	1	545	0.003	0.18
Inspire	Difenoconazole	2.5	{0.3}	1,949	0.02	0.06
Kasumin	Kasugamycin	0.6	{0.01} *	1,956	--	--
Kenja 400	Isofetamid	4	4	---	--	--
Luna	Fluopyram	2	2	22,302	0.01	0.34
Miravis	Pydiflumetofen	2	{0.01} *	---	--	--
Misc.	O-phenylphenol	5	{0.01}	---	0.017	0.017
Penbotec	Pyrimethanil	10	{4}	---	--	--
Procure	Triflumizole	1.5	{0.02}	1,945	0.01	0.72
Quash	Metconazole	0.2	0.2	2,208	0.01	0.03
Quintec	Quinoxyfen	0.7	{0.3}	8,561	0.0008	0.21

FUNGICIDES: Status of GB MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Great Britain MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	GB MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Rally	Myclobutanil	5	{3}	18,411	0.001	0.6
Rhyme	Flutriafol	1.5	{1}	880	0.02	0.02
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.01}	---	--	--
Rovral	Iprodione	20	{0.01}	13,887	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	121	--	--
Tilt/Orbit	Propiconazole	4	{0.01}	8,753	0.002	0.28
Topsin	Thiophanate-methyl	20	{0.3}	3,428	0.02	0.32
Vivando	Metrafenone	2	2	---	0.06	0.1
Xemium	Fluxapyroxad	3	3	10,750	0.01	0.07
Ziram	Ziram	7	{5}	165	--	--
* Indicates where the GB default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most current data available.						

HERBICIDES: Status of GB MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Great Britain MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	GB MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,020	--	--
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	{0.01}	9,001	--	--
Alion	Indaziflam	0.01	0.01 *	3,652	--	--
Casoron	Dichlobenil	0.15	{0.01}	---	--	--
Chateau	Flumioxazin	0.02	0.02	3,795	--	--
Fusilade	Fluazifop-P-butyl	0.05	{0.01}	312	--	--
Galigan/Oxyflow	Oxyfluorfen	0.05	0.1	12,929	--	--
Gramoxone	Paraquat dichloride	0.05	{0.02}	1,306	--	--
Kerb	Propyzamide	0.1	{0.02}	---	--	--
Kixor	Saflufenacil	0.03	0.03	---	--	--
Matrix	Rimsulfuron	0.01	0.01	5,516	--	--
Motif	Mesotrione	0.01	0.01	---	--	--
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,771	--	--
Pindar	Penoxsulam	0.01	0.01	140	--	--
Poast	Sethoxydim	0.2	{0.1}	556	--	--
Princep/Sim-Trol	Simazine	0.25 <small>Expires Jun 22, 2023</small>	0.25	13	--	--
Reckon/Rely	Glufosinate-ammonium	0.3	{0.15}	19,016	--	--
Roundup	Glyphosate	0.2	{0.1}	9,275	--	--
Select Max	Clethodim	0.2	{0.1}	7,354	--	--
Solicam	Norflurazon	0.1	{0.01} *	27	--	--
Spur	Clopyralid	0.5	0.5	---	--	--
Surflan	Oryzalin	0.05	{0.01}	257	--	--
Treflan	Trifluralin	0.05	{0.01}	---	--	--
Venue	Pyraflufen-ethyl	0.01	0.02	5,268	--	--

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

Note: This chart includes pesticide use information from 2020; this is the most recent data that is currently available.

SYNERGISTS/PLANT GROWTH REGULATORS: Status of GB MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Great Britain MRLs apply to England, Scotland, and Wales. EU MRLs apply to Northern Ireland.
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	GB MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,252	--	--
Misc.	1-Naphthaleneacetamide	0.1	{0.06}	---	--	--
Misc.	1-Naphthaleneacetic acid	0.1	{0.06}	---	--	--
Piperonyl Butoxide	Piperonyl Butoxide	8 <i>Exempt</i>	--	172	0.017	0.064
* Indicates where the GB default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.						

VIII. South Korean MRL Status

INSECTICIDES: Status of S. Korean MRLs						
<ul style="list-style-type: none"> MRL values listed in red brackets { } are more restrictive than the US MRL value Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs Dashes "---" indicate that no MRL has been established in the market 						
Trade Name	Active Ingredient	US MRL (ppm)	S. Korea MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	11,155	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	1	4,915	0.002	0.032
Admire/Nuprid	Imidacloprid	3	3	13,316	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	{0.06}	21,063	--	--
Altrevin	Metaflumizone	0.04	1.5	14	--	--
Ambush/Pounce	Permethrin	4	5	470	0.01	0.31
Apollo	Clofentezine	1	{0.01} *	2,741	--	--
Aria/Beleaf/Carbine	Flonicamid	0.6	3	161	--	--
Asana	Esfenvalerate	3	{0.5}	1,589	0.01	0.04
Assail	Acetamiprid	1.5	1.5	638	0.03	0.21
Avaunt	Indoxacarb	0.9	0.9	---	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	0.6	---	--	--
Centaur/Tourismo	Buprofezin	2	{1.9}	145	--	--
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.3}	---	--	--
Danitol	Fenpropathrin	5	5	20,230	0.01	2.29
Delegate	Spinetoram	0.3	{0.2}	1,256	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.01} *	---	--	--
Diazinon	Diazinon	0.2	{0.01} *	---	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	{0.01} *	---	--	--
DuPont Exirel / Exirel / Minecto	Cyantranilprole	6	6	13	--	--

INSECTICIDES: Status of S. Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	S. Korea MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Envidor	Spirodiclofen	1	2	849	0.06	0.06
Esteem	Pyriproxyfen	1	1	2,037	0.002	0.03
Etofenprox	Etofenprox	5	{1}	---	--	--
Fujimite	Fenpyroximate	2	2	1,418	--	--
Fyfanon	Malathion	8	{3}	11,287	0.003	0.43
Imidan	Phosmet	10	{0.01} *	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	8,662	0.002	0.11
Kanemite	Acequinocyl	1	{0.5}	---	--	--
Magister	Fenazaquin	2	2	4,075	--	--
Methyl Bromide	Methyl Bromide	20	20	---	--	--
Movento	Spirotetramat	4.5	{3}	365	--	--
Mustang	Zeta-Cypermethrin	2	{1}	549	0.02	1
Nealta [®]	Cyflumetofen	1.5	{0.7}	2,296	--	--
PyGanic	Pyrethrins	1 <i>Exempt</i>	1	438	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	0.6	3	0.03	0.11
Rimon	Novaluron	8	{7}	590	--	--
Savey	Hexythiazox	1	{0.2}	7,783	--	--
Sevin	Carbaryl	10	{0.01}*	72	0.003	0.84
Sivanto	Flupyradifurone	1.5	1.5	---	--	--
Success/Entrust	Spinosad	0.2	0.2	3,272	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	{1.5}	20	--	--

INSECTICIDES: Status of S. Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	S. Korea MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	2	---	--	--
Vendex	Fenbutatin-oxide	6	{0.01} *	619	--	--
Verdepryn 100SL	Cyclaniliprole	1	{0.9}	---	--	--
Versys	Afidopyropen	0.03	0.03	---	--	--
Voliam	Chlorantraniliprole	2.5	{0.5}	6,647	0.01	0.06
Warrior II	Lambda Cyhalothrin	0.5	{0.3}	37,929	0.01	0.39
Zeal	Etoxazole	1	{0.5}	7,879	0.02	0.02

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

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

FUNGICIDES: Status of S. Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	S. Korea MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Abound	Azoxystrobin	2	2	1,851	0.0005	0.16
Botran/Britz	Dicloran	20	{0.01} *	---	--	--
Bravo/Concert	Chlorothalonil	0.5	0.5	234	--	--
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	{2}	20,906	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	4	10,156	0.004	0.38
Captan/Captec	Captan	50	{3}	---	0.17	0.53
Cevya	Mefentrifluconazole	4	4	---	--	--
Elast/SYLLIT	Dodine	5	{0.01} *	---	--	--
Elevate	Fenhexamid	10	{5}	2,407	0.01	1.42
Elite/Orius	Tebuconazole	5	{4}	18,403	0.01	1.97
Fastback/Torino	Cyflufenamid	0.6	0.6	150	--	--
Flint/Gem	Trifloxystrobin	2	{0.5}	16,723	0.001	0.11
Fontelis	Penthiopyrad	4	4	11,431	0.01	0.31
Gatten	Flutianil	0.4	0.4	---	--	--
Indar	Fenbuconazole	1	1	545	0.003	0.18
Kasumin	Kasugamycin	0.6	0.6	1,956	--	--
Kenja 400	Isofetamid	4	4	---	--	--
Luna	Fluopyram	2	{0.6}	22,302	0.01	0.34
Miravis	Pydiflumetofen	2	2	---	--	--
Misc.	O-phenylphenol	5	{0.01} *	---	0.017	0.017
Penbotec	Pyrimethanil	10	{4}	---	--	--
Procure	Triflumizole	1.5	1.5	1,945	0.01	0.72
Quash	Metconazole	0.2	0.5	2,208	0.01	0.03
Quintec	Quinoxifen	0.7	{0.4}	8,561	0.0008	0.21
Rally	Myclobutanil	5	{2}	18,411	0.001	0.6

FUNGICIDES: Status of S. Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	S. Korea MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Rhyme	Flutriafol	1.5	{0.8}	880	0.02	0.02
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.01} *	---	--	--
Rovral	Iprodione	20	{10}	13,887	0.006	4.7
Kasumin	Kasugamycin	0.6	0.6	1,956	--	--
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	121	--	--
Tilt/Orbit	Propiconazole	4	{2}	8,753	0.002	0.28
Topsin	Thiophanate- methyl	20	{15}	3,428	0.02	0.32
Vivando	Metrafenone	2	2	---	0.06	0.1
Xemium	Fluxapyroxad	3	3	10,750	0.01	0.07
Ziram	Ziram	7	{5}	165	--	--
* Indicates where the Korean default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most current data available.						

HERBICIDES: Status of S. Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	S. Korea MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,020	--	--
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	{0.01} *	9,001	--	--
Alion	Indaziflam	0.01	0.01 *	3,652	--	--
Casoron	Dichlobenil	0.15	{0.01} *	---	--	--
Chateau	Flumioxazin	0.02	{0.01} *	3,795	--	--
Fusilade	Fluazifop-P-butyl	0.05	{0.01} *	312	--	--
Galigan/Oxyflow	Oxyfluorfen	0.05	0.05	12,929	--	--
Gramoxone	Paraquat dichloride	0.05	{0.01} Default	1,306	--	--
Kerb	Propyzamide	0.1	{0.01} *	---	--	--
Kixor	Saflufenacil	0.03	0.03	---	--	--
Matrix	Rimsulfuron	0.01	0.01 *	5,516	--	--
Motif	Mesotrione	0.01	0.01 *	---	--	--
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,771	--	--
Pindar	Penoxsulam	0.01	0.01 *	140	--	--
Poast	Sethoxydim	0.2	{0.01} *	556	--	--
Princep/Sim-Trol	Simazine	0.25 <small>Expires Jun 22, 2023</small>	{0.01} *	13	--	--
Reckon/Rely	Glufosinate-ammonium	0.3	{0.15}	19,016	--	--
Roundup	Glyphosate	0.2	{0.05}	9,275	--	--
Select Max	Clethodim	0.2	{0.01} *	7,354	--	--
Solicam	Norflurazon	0.1	{0.01} *	27	--	--
Spur	Clopyralid	0.5	{0.05}	---	--	--
Surflan	Oryzalin	0.05	{0.01} *	257	--	--
Treflan	Trifluralin	0.05	{0.01} *	---	--	--
Venue	Pyraflufen-ethyl	0.01	0.01 *	5,268	--	--

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

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

SYNERGISTS/PLANT GROWTH REGULATORS: Status of S. Korean MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	S. Korea MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,252	--	--
Misc.	1-Naphthaleneacetamide	0.1	{0.01} *	---	--	--
Misc.	1-Naphthaleneacetic acid	0.1	{0.01} *	---	--	--
Piperonyl Butoxide	Piperonyl Butoxide	8 <i>Exempt</i>	{0.01} *	172	0.017	0.064
* Indicates where the Korean default MRL of 0.01 ppm applies because no specific MRL has been established.						
Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.						

IX. Taiwanese MRL Status

INSECTICIDES: Status of Taiwanese MRLs						
<ul style="list-style-type: none"> MRL values listed in red brackets { } are more restrictive than the US MRL value Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs Dashes "---" indicate that no MRL has been established in the market 						
Trade Name	Active Ingredient	US MRL (ppm)	Taiwan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	11,155	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.5	4,915	0.002	0.032
Admire/Nuprid	Imidacloprid	3	{2}	13,316	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	0.09	21,063	--	--
Altrevin	Metaflumizone	0.04	{0.01}	14	--	--
Ambush/Pounce	Permethrin	4	{2}	470	0.01	0.31
Apollo	Clofentezine	1	{0.5}	2,741	--	--
Aria/Beleaf/Carbine	Fonicamid	0.6	{0.01}	161	--	--
Asana	Esfenvalerate	3	{1}	1,589	0.01	0.04
Assail	Acetamiprid	1.5	{1}	638	0.03	0.21
Avaunt	Indoxacarb	0.9	{0.5}	---	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	{0.01}	---	--	--
Centaur/Tourismo	Buprofezin	2	{1.5}	145	--	--
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.4}	---	--	--
Danitol	Fenpropathrin	5	5	20,230	0.01	2.29
Delegate	Spinetoram	0.3	{0.2}	1,256	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.5}	---	--	--
Diazinon	Diazinon	0.2	1	---	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	--	---	--	--
DuPont Exirel / Exirel / Minecto	Cyantraniliprole	6	--	13	--	--

INSECTICIDES: Status of Taiwanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Taiwan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Envidor	Spirodiclofen	1	{0.8}	849	0.06	0.06
Esteem	Pyriproxyfen	1	{0.5}	2,037	0.002	0.03
Etofenprox	Etofenprox	5	--	---	--	--
Fujimite	Fenpyroximate	2	{0.3}	1,418	--	--
Fyfanon	Malathion	8	{0.5}	11,287	0.003	0.43
Imidan	Phosmet	10	{2}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	8,662	0.002	0.11
Kanemite	Acequinocyl	1	{0.5}	---	--	--
Magister	Fenazaquin	2	{0.5}	4,075	--	--
Methyl Bromide	Methyl Bromide	20	--	---	--	--
Movento	Spirotetramat	4.5	{3}	365	--	--
Mustang	Zeta-Cypermethrin	2	2	549	0.02	1
Nealta [®]	Cyflumetofen	1.5	3	2,296	--	--
PyGanic	Pyrethrins	1 <i>Exempt</i>	--	438	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	{0.01}	3	0.03	0.11
Rimon	Novaluron	8	{2}	590	--	--
Savey	Hexythiazox	1	1	7,783	--	--
Sevin	Carbaryl	10	{0.5}	72	0.003	0.84
Sivanto	Flupyradifurone	1.5	{1}	---	--	--
Success/Entrust	Spinosad	0.2	0.2	3,272	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	{1.5}	20	--	--
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	{0.01}	---	--	--
Vendex	Fenbutatin-oxide	6	{2}	619	--	--
Verdepryn 100SL	Cyclaniliprole	1	--	---	--	--

INSECTICIDES: Status of Taiwanese MRLs

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- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Taiwan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Versys	Afidopyropen	0.03	--	---	--	--
Voliam	Chlorantraniliprole	2.5	{1}	6,647	0.01	0.06
Warrior II	Lambda Cyhalothrin	0.5	{0.4}	37,929	0.01	0.39
Zeal	Etoxazole	1	1	7,879	0.02	0.02

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

FUNGICIDES: Status of Taiwanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Taiwan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Abound	Azoxystrobin	2	{1}	1,851	0.0005	0.16
Botran/Britz	Dicloran	20	{5}	---	--	--
Bravo/Concert	Chlorothalonil	0.5	0.5	234	--	--
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	{1}	20,906	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	{1.7}	10,156	0.004	0.38
Captan/Captec	Captan	50	{25}	---	0.17	0.53
Cevya	Mefentrifluconazole	4	--	---	--	--
Elast/SYLLIT	Dodine	5	{2}	---	--	--
Elevate	Fenhexamid	10	{7}	2,407	0.01	1.42
Elite/Orius	Tebuconazole	5	{2}	18,403	0.01	1.97
Fastback/Torino	Cyflufenamid	0.6	{0.5}	150	--	--
Flint/Gem	Trifloxystrobin	2	3	16,723	0.001	0.11
Fontelis	Penthiopyrad	4	4	11,431	0.01	0.31
Gatten	Flutianil	0.4	--	---	--	--
Indar	Fenbuconazole	1	1	545	0.003	0.18
Inspire	Difenoconazole	2.5	{1}	1,949	0.02	0.06
Kasumin	Kasugamycin	0.6	--	1,956	--	--
Kenja 400	Isofetamid	4	--	---	--	--
Luna	Fluopyram	2	{1.5}	22,302	0.01	0.34
Miravis	Pydiflumetofen	2	2	---	--	--
Misc.	O-phenylphenol	5	--	---	0.017	0.017
Penbotec	Pyrimethanil	10	{4}	---	--	--
Procure	Triflumizole	1.5	{1}	1,945	0.01	0.72
Quash	Metconazole	0.2	0.2	2,208	0.01	0.03
Quintec	Quinoxifen	0.7	{0.4}	8,561	0.0008	0.21

FUNGICIDES: Status of Taiwanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes “---” indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Taiwan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Rally	Myclobutanil	5	{1}	18,411	0.001	0.6
Rhyme	Flutriafol	1.5	{1}	880	0.02	0.02
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.2}	---	--	--
Rovral	Iprodione	20	{5}	13,887	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	121	--	--
Tilt/Orbit	Propiconazole	4	{2}	8,753	0.002	0.28
Topsin	Thiophanate-methyl	20	{5}	3,428	0.02	0.32
Vivando	Metrafenone	2	{1}	---	0.06	0.1
Xemium	Fluxapyroxad	3	{2}	10,750	0.01	0.07
Ziram	Ziram	7	{2.5}	165	--	--

Note: This chart includes pesticide use information from 2021; this is the most current data available.

HERBICIDES: Status of Taiwanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
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Trade Name	Active Ingredient	US MRL (ppm)	Taiwan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.2	1,020	--	--
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	0.1	9,001	--	--
Alion	Indaziflam	0.01	--	3,652	--	--
Casoron	Dichlobenil	0.15	--	---	--	--
Chateau	Flumioxazin	0.02	--	3,795	--	--
Fusilade	Fluazifop-P-butyl	0.05	{0.01}	312	--	--
Galigan/Oxyflow	Oxyfluorfen	0.05	{0.03}	12,929	--	--
Gramoxone	Paraquat dichloride	0.05	{0.01}	1,306	--	--
Kerb	Propyzamide	0.1	--	---	--	--
Kixor	Saflufenacil	0.03	{0.01}	---	--	--
Matrix	Rimsulfuron	0.01	--	5,516	--	--
Motif	Mesotrione	0.01	--	---	--	--
Pendulum/Prowl	Pendimethalin	0.1	{0.01}	5,771	--	--
Pindar	Penoxsulam	0.01	--	140	--	--
Poast	Sethoxydim	0.2	0.2	556	--	--
Princep/Sim-Trol	Simazine	0.25 <small>Expires Jun 22, 2023</small>	--	13	--	--
Reckon/Rely	Glufosinate-ammonium	0.3	{0.1}	19,016	--	--
Roundup	Glyphosate	0.2	0.2	9,275	--	--
Select Max	Clethodim	0.2	--	7,354	--	--
Solicam	Norflurazon	0.1	--	27	--	--
Spur	Clopyralid	0.5	--	---	--	--
Surflan	Oryzalin	0.05	--	257	--	--
Treflan	Trifluralin	0.05	{0.01}	---	--	--
Venue	Pyraflufen-ethyl	0.01	--	5,268	--	--

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

SYNERGISTS/PLANT GROWTH REGULATORS: Status of Taiwanese MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
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- Dashes "----" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Taiwan MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,252	--	--
Misc.	1-Naphthaleneacetamide	0.1	--	---	--	--
Misc.	1-Naphthaleneacetic acid	0.1	-- <i>Exempt</i>	---	--	--
Piperonyl Butoxide	Piperonyl Butoxide	8 <i>Exempt</i>	--	172	0.017	0.064

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

X. Australia MRL Status

INSECTICIDES: Status of Australian MRLs						
<ul style="list-style-type: none"> MRL values listed in red brackets { } are more restrictive than the US MRL value Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs Dashes "----" indicate that no MRL has been established in the market 						
Trade Name	Active Ingredient	US MRL (ppm)	Australia MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Acramite	Bifenazate	2.5	2.5	11,155	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.5	4,915	0.002	0.032
Admire/Nuprid	Imidacloprid	3	3	13,316	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	0.09	21,063	--	--
Altrevin	Metaflumizone	0.04	0.04	14	--	--
Ambush/Pounce	Permethrin	4	4	470	0.01	0.31
Apollo	Clofentezine	1	1	2,741	--	--
Aria/Beleaf/Carbine	Fonicamid	0.6	0.6	161	--	--
Asana	Esfenvalerate	3	3	1,589	0.01	0.04
Assail	Acetamiprid	1.5	2	638	0.03	0.21
Avaunt	Indoxacarb	0.9	1	---	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	0.3	---	--	--
Centaur/Tourismo	Buprofezin	2	{1.9}	145	--	--
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	0.5	---	--	--
Danitol	Fenpropathrin	5	5	20,230	0.01	2.29
Delegate	Spinetoram	0.3	{0.2}	1,256	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.5}	---	--	--
Diazinon	Diazinon	0.2	0.5	---	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	{0.2}	---	--	--
DuPont Exirel / Exirel / Minecto	Cyantraniliprole	6	6	13	--	--
Envidor	Spirodiclofen	1	1	849	0.06	0.06
Esteem	Pyriproxyfen	1	1	2,037	0.002	0.03
Etofenprox	Etofenprox	5	{0.05}	---	--	--

INSECTICIDES: Status of Australian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Australia MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Fujimite	Fenpyroximate	2	2	1,418	--	--
Fyfanon	Malathion	8	8	11,287	0.003	0.43
Imidan	Phosmet	10	{0.05}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	3	8,662	0.002	0.11
Kanemite	Acequinocyl	1	{0.7}	---	--	--
Magister	Fenazaquin	2	2	4,075	--	--
Methyl Bromide	Methyl Bromide	20	20	---	--	--
Movento	Spirotetramat	4.5	4.5	365	--	--
Mustang	Zeta-Cypermethrin	2	2	549	0.02	1
Nealta®	Cyflumetofen	1.5	--	2,296	--	--
PyGanic	Pyrethrins	1 <i>Exempt</i>	1	438	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	0.3	3	0.03	0.11
Rimon	Novaluron	8	8	590	--	--
Savey	Hexythiazox	1	1	7,783	--	--
Sevin	Carbaryl	10	{0.02}	72	0.003	0.84
Sivanto	Flupyradifurone	1.5	1.5	---	--	--
Success/Entrust	Spinosad	0.2	1	3,272	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	3	20	--	--
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	--	---	--	--
Vendex	Fenbutatin-oxide	6	6	619	--	--
Verdepryn 100SL	Cyclaniliprole	1	1	---	--	--
Versys	Afidopyropen	0.03	0.03	---	--	--
Voliam	Chlorantraniliprole	2.5	2.5	6,647	0.01	0.06
Warrior II	Lambda Cyhalothrin	0.5	0.5	37,929	0.01	0.39
Zeal	Etoxazole	1	1	7,879	0.02	0.02

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

FUNGICIDES: Status of Australian MRLs

- MRL values listed in **red brackets { }** are more restrictive than the US MRL value
- Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs
- Dashes "---" indicate that no MRL has been established in the market

Trade Name	Active Ingredient	US MRL (ppm)	Australia MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Abound	Azoxystrobin	2	{1.5}	1,851	0.0005	0.16
Botran/Britz	Dicloran	20	--	---	--	--
Bravo/Concert	Chlorothalonil	0.5	10	234	--	--
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	3	20,906	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	5	10,156	0.004	0.38
Captan/Captec	Captan	50	{15}	---	0.17	0.53
Cevya	Mefentrifluconazole	4	4	---	--	--
Elast/SYLLIT	Dodine	5	{3}	---	--	--
Elevate	Fenhexamid	10	10	2,407	0.01	1.42
Elite/Orius	Tebuconazole	5	5	18,403	0.01	1.97
Fastback/Torino	Cyflufenamid	0.6	--	150	--	--
Flint/Gem	Trifloxystrobin	2	5	16,723	0.001	0.11
Fontelis	Penthiopyrad	4	5	11,431	0.01	0.31
Gatten	Flutianil	0.4	--	---	--	--
Indar	Fenbuconazole	1	{0.02}	545	0.003	0.18
Inspire	Difenoconazole	2.5	2.5	1,949	0.02	0.06
Kasumin	Kasugamycin	0.6	--	1,956	--	--
Kenja 400	Isofetamid	4	4	---	--	--
Luna	Fluopyram	2	3	22,302	0.01	0.34
Miravis	Pydiflumetofen	2	{0.05}	---	--	--
Misc.	O-phenylphenol	5	{0.1}	---	0.017	0.017
Penbotec	Pyrimethanil	10	10	---	--	--
Procure	Triflumizole	1.5	1.5	1,945	0.01	0.72
Quash	Metconazole	0.2	0.3	2,208	0.01	0.03

FUNGICIDES: Status of Australian MRLs

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Trade Name	Active Ingredient	US MRL (ppm)	Australia MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Quintec	Quinoxifen	0.7	0.7	8,561	0.0008	0.21
Rally	Myclobutanil	5	5	18,411	0.001	0.6
Rhyme	Flutriafol	1.5	1.5	880	0.02	0.02
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.2}	---	--	--
Rovral	Iprodione	20	{10}	13,887	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	121	--	--
Tilt/Orbit	Propiconazole	4	4	8,753	0.002	0.28
Topsin	Thiophanate-methyl	20	20	3,428	0.02	0.32
Vivando	Metrafenone	2	2	---	0.06	0.1
Xemium	Fluxapyroxad	3	3	10,750	0.01	0.07
Ziram	Ziram	7	{3}	165	--	--

Note: This chart includes pesticide use information from 2021; this is the most current data available.

HERBICIDES: Status of Australian MRLs

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Trade Name	Active Ingredient	US MRL (ppm)	Australia MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,020	--	--
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	{0.05}	9,001	--	--
Alion	Indaziflam	0.01	--	3,652	--	--
Casoron	Dichlobenil	0.15	{0.1}	---	--	--
Chateau	Flumioxazin	0.02	0.02	3,795	--	--
Fusilade	Fluazifop-P-butyl	0.05	0.05	312	--	--
Galigan/Oxyflow	Oxyfluorfen	0.05	0.05	12,929	--	--
Gramoxone	Paraquat dichloride	0.05	0.05	1,306	--	--
Kerb	Propyzamide	0.1	0.1	---	--	--
Kixor	Saflufenacil	0.03	0.03	---	--	--
Matrix	Rimsulfuron	0.01	0.01	5,516	--	--
Motif	Mesotrione	0.01	0.01	---	--	--
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,771	--	--
Pindar	Penoxsulam	0.01	--	140	--	--
Poast	Sethoxydim	0.2	0.2	556	--	--
Princep/Sim-Trol	Simazine	0.25 <small>Expires Jun 22, 2023</small>	{0.1}	13	--	--
Reckon/Rely	Glufosinate-ammonium	0.3	{0.05}	19,016	--	--
Roundup	Glyphosate	0.2	0.2	9,275	--	--
Select Max	Clethodim	0.2	0.2	7,354	--	--
Solicam	Norflurazon	0.1	0.2	27	--	--
Spur	Clopyralid	0.5	0.5	---	--	--
Surflan	Oryzalin	0.05	0.1	257	--	--
Treflan	Trifluralin	0.05	0.05	---	--	--
Venue	Pyraflufen-ethyl	0.01	0.01	5,268	--	--

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.

SYNERGISTS/PLANT GROWTH REGULATORS: Status of Australian MRLs

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Trade Name	Active Ingredient	US MRL (ppm)	Australia MRL (ppm)	2021 CA Acreage	2007-2022 Residue Testing Results (Low)	2007-2022 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,252	--	--
Misc.	1-Naphthaleneacetamide	0.1	--	---	--	--
Misc.	1-Naphthaleneacetic acid	0.1	--	---	--	--
Piperonyl Butoxide	Piperonyl Butoxide	8 <i>Exempt</i>	8	172	0.017	0.064

Note: This chart includes pesticide use information from 2021; this is the most recent data that is currently available.