



**BRYANT CHRISTIE INC.**  
GLOBAL SOLUTIONS

February 2, 2021

To: California Cherry Exporters  
cc: Chris Zanobini  
From: Bryant Christie Inc.  
**Re: 2021 International Cherry MRL Memo**

On behalf of the California Cherry Board:

As the 2021 cherry season approaches and crop protection decisions are being made, BCI wanted to provide California cherry shippers an updated international cherry maximum residue level (MRL) memo for major export markets. As you will see, we added a new market “Great Britain” to account for the United Kingdom’s exit from the European Union. Additional information is provided in the first section of the memo.

While the MRL information is considered accurate as of **January 28, 2021**, please note that the 2021 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 2021 International Cherry MRL Memo.

Bryant Christie Inc. hopes this memo will be useful to California cherry shippers and wishes the industry success in the 2021 season.

# 2021 International Cherry MRL Memo

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## 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, as seen in Section IV.

## II. 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.

<b>Pesticides with Residue Detections Capable of Exceeding MRLs in Major Markets</b>		
<b>Trade Name</b>	<b>Common Name</b>	<b>Markets in which the detected residue would have exceeded the MRL</b>
Ambush/Pounce	Permethrin	EU, GB, Canada
Asana	Esfenvalerate	EU, GB, South Korea
Danitol	Fenpropathrin	EU, GB
Elite/Orius	Tebuconazole	EU, GB
Fyfanon	Malathion	EU, GB
Imidan	Phosmet	South Korea, Australia
Indar	Fenbuconazole	Australia
Misc.	O-phenylphenol	EU, GB, Taiwan
Piperonyl Butoxide	Piperonyl Butoxide	EU, GB, Taiwan
Procure	Triflumizole	EU, GB
PyGanic	Pyrethrins	Taiwan
Renounce/Tombstone	Cyfluthrin	Canada, Taiwan
Rovral	Iprodione	EU, GB
Sevin	Carbaryl	EU, GB, South Korea, Taiwan, Australia
Tilt/Orbit	Propiconazole	EU, GB
Topsin	Thiophanate-methyl	EU, GB
Warrior II	Lambda cyhalothrin	EU, GB, South Korea

### III. 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.

<b>Pesticide MRLs for SWD Insecticides in Major CA Cherry Export Markets</b>								
MRL values listed in <b>red brackets, { }</b> , are more restrictive than the US MRL value. All values listed in parts per million (ppm).								
Trade Name	Common Name	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 Expires Dec 31, 2021	{2}	{0.05}	4
Asana	Esfenvalerate	3	{0.1}*	{2}	{0.01}*	{1}	{0.02}	{0.05}
Assail	Acetamiprid	1.5	{1.2}	5	1.5	{1}	1.5	2
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	{0.1}*	1	1 Expires Dec 31, 2021	{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}	{0.5} Expires Dec 31, 2021	{0.5}	{0.02}	8
Mustang	Zeta-Cypermethrin	1	2	2	1	2	2	2
PyGanic	Pyrethrins	1 <i>Exempt</i>	1	1	1 Expires Dec 31, 2021	---	1	1
Renounce/Tombstone	Cyfluthrin	0.3	{0.1}*	1	1 Expires Dec 31, 2021	{0.01}	{0.2}	0.3
Sevin	Carbaryl	10	10	10 Pending 7 Jul 14, 21	{0.5} Expires Dec 31, 2021	{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.								

## IV. Summary of Pesticide Residues 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	Common Name	Pesticide Type	2016 Canada pesticide screen?	2020 Japan pesticide screen?	2020 Korea pesticide screen?	2017 Taiwan pesticide screen?	2021-23 EU pesticide screen?	2019 UK pesticide screen?	2020 Australia pesticide screen?
2,4-D	2,4-D	Herbicide		Yes	Yes		Yes	Yes	
Abound	Azoxystrobin	Fungicide	Yes	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	Yes	
Aim/Rage/Shark	Carfentrazone-ethyl	Herbicide	Yes	Yes	Yes	Yes			
Alion	Indaziflam	Herbicide			Yes				
Ambush/Pounce	Permethrin	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Apogee	Prohexadione calcium	Growth Regulator			Yes				
Apollo	Clofentezine	Insecticide	Yes	Yes	Yes	Yes	Yes		
Aria/Beleaf/Carbine	Fonicamid	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Asana	Esfenvalerate	Insecticide	Yes		Yes	Yes			

### Status of CA Cherry Pesticides in Foreign Screen Programs

Trade Name	Common Name	Pesticide Type	2016 Canada pesticide screen?	2020 Japan pesticide screen?	2020 Korea pesticide screen?	2017 Taiwan pesticide screen?	2021-23 EU pesticide screen?	2019 UK pesticide screen?	2020 Australia pesticide screen?
Assail	Acetamiprid	Insecticide	Yes	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	Yes
Botran/Britz	Dicloran	Fungicide	Yes	Yes	Yes	Yes	Yes		Yes
Bravo/Concert	Chlorothalonil	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cabrio/Insignia/Pageant	Pyraclostrobin	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cabrio/Pristine	Boscalid	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Captan/Captec	Captan	Fungicide	Yes	Yes	Yes		Yes	Yes	Yes
Casoron	Dichlobenil	Herbicide	Yes		Yes				
Centaur/Tourismo	Buprofezin	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Chateau	Flumioxazin	Herbicide		Yes	Yes				
Cobalt/Proaxis	Gamma Cyhalothrin	Insecticide	Yes	Yes	Yes	Yes			
Danitol	Fenpropathrin	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Delegate	Spinetoram	Insecticide	Yes		Yes	Yes	Yes	Yes	
Desperado/Nexter	Pyridaben	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Diazinon	Diazinon	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dimethoate	Dimethoate	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Elast/SYLLIT	Dodine	Fungicide	Yes		Yes		Yes	Yes	
Elevate	Fenhexamid	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Elite/Orius	Tebuconazole	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Envidor	Spirodiclofen	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Esteem	Pyriproxyfen	Insecticide	Yes	Yes	Yes	Yes	Yes		Yes
Flint/Gem	Trifloxystrobin	Fungicide	Yes	Yes	Yes	Yes	Yes		Yes
Fontelis	Penthiopyrad	Fungicide		Yes	Yes	Yes		Yes	
FujiMite	Fenpyroximate	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fusilade	Fluazifop-P-butyl	Herbicide	Yes	Yes	Yes	Yes	Yes	Yes	



### Status of CA Cherry Pesticides in Foreign Screen Programs

Trade Name	Common Name	Pesticide Type	2016 Canada pesticide screen?	2020 Japan pesticide screen?	2020 Korea pesticide screen?	2017 Taiwan pesticide screen?	2021-23 EU pesticide screen?	2019 UK pesticide screen?	2020 Australia pesticide screen?
Fyfanon	Malathion	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Galigan/Oxyflow	Oxyfluorfen	Herbicide	Yes	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	Yes	Yes	
Inspire	Difenoconazole	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Intrepid	Methoxyfenozide	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Kanemite	Acequinocyl	Insecticide			Yes	Yes			
Kerb	Propyzamide	Herbicide	Yes		Yes		Yes	Yes	
Kixor	Saflufenacil	Herbicide			Yes	Yes			
Lorsban/Dursban	Chlorpyrifos	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Luna Experience	Fluopyram	Fungicide			Yes	Yes	Yes	Yes	
Magister	Fenazaquin	Insecticide	Yes	Yes	Yes	Yes	Yes		
Matrix	Rimsulfuron	Herbicide		Yes	Yes				
Merivon	Fluxapyroxad	Fungicide		Yes	Yes	Yes	Yes	Yes	
Methyl Bromide	Methyl Bromide	Insecticide		Yes	Yes		Yes		
Misc.	1-Naphthaleneacetamide	Growth Regulator							
Misc.	1-Naphthaleneacetic acid	Growth Regulator		Yes					
Misc.	O-phenylphenol	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Movento	Spirotetramat	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mustang	Zeta-Cypermethrin	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Penbotec	Pyrimethanil	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pendulum/Prowl	Pendimethalin	Herbicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Status of CA Cherry Pesticides in Foreign Screen Programs

Trade Name	Common Name	Pesticide Type	2016 Canada pesticide screen?	2020 Japan pesticide screen?	2020 Korea pesticide screen?	2017 Taiwan pesticide screen?	2021-23 EU pesticide screen?	2019 UK pesticide screen?	2020 Australia pesticide screen?
Piperonyl Butoxide	Piperonyl Butoxide	Synergist	Yes	Yes	Yes	Yes		Yes	Yes
Poast	Sethoxydim	Herbicide	Yes	Yes	Yes	Yes			
Princep/Sim-Trol	Simazine	Herbicide	Yes	Yes	Yes	Yes			
Procure	Triflumizole	Fungicide	Yes	Yes	Yes	Yes		Yes	
PyGanic	Pyrethrins	Insecticide	Yes	Yes	Yes	Yes		Yes	Yes
Quash	Metconazole	Fungicide	Yes	Yes	Yes	Yes			
Quintec	Quinoxifen	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	
Rally	Myclobutanil	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Reckon/Rely	Glufosinate-ammonium	Fungicide		Yes	Yes		Yes		
Renounce/Tombstone	Cyfluthrin	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rhyme	Flutriafol	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	
Ridomil	Metalaxyl/Metalaxyl-M	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rimon	Novaluron	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Roundup	Glyphosate	Herbicide		Yes	Yes		Yes	Yes	
Rovral	Iprodione	Fungicide		Yes	Yes	Yes	Yes	Yes	Yes
Savey	Hexythiazox	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scholar	Fludioxonil	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sevin	Carbaryl	Insecticide	Yes	Yes	Yes	Yes	Yes		Yes
Sivanto	Flupyradifurone	Insecticide			Yes	Yes			
Solicam	Norflurazon	Herbicide	Yes	Yes	Yes	Yes			
Spur	Clopyralid	Herbicide			Yes				
Success/Entrust	Spinosad	Insecticide		Yes	Yes	Yes	Yes	Yes	Yes
Sulfoxaflor	Sulfoxaflor	Insecticide		Yes	Yes	Yes		Yes	
Surflan	Oryzalin	Herbicide		Yes	Yes				
Switch	Cyprodinil	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tilt/Orbit	Propiconazole	Fungicide	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Status of CA Cherry Pesticides in Foreign Screen Programs

Trade Name	Common Name	Pesticide Type	2016 Canada pesticide screen?	2020 Japan pesticide screen?	2020 Korea pesticide screen?	2017 Taiwan pesticide screen?	2021-23 EU pesticide screen?	2019 UK pesticide screen?	2020 Australia pesticide screen?
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	Insecticide	Yes	Yes	Yes	Yes			
Topsin	Thiophanate-methyl	Fungicide	Yes	Yes	Yes*	Yes*	Yes*		Yes*
Treflan	Trifluralin	Herbicide	Yes	Yes	Yes	Yes			
Vendex	Fenbutatin-oxide	Insecticide		Yes	Yes	Yes	Yes	Yes	
Venue	Pyraflufen-ethyl	Herbicide	Yes		Yes	Yes			
Vivando	Metrafenone	Fungicide			Yes		Yes	Yes	
Voliam	Chlorantraniliprole	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Warrior II	Lambda Cyhalothrin	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zeal	Etoxazole	Insecticide	Yes	Yes	Yes	Yes	Yes	Yes	
Ziram	Ziram	Fungicide		Yes	Yes		Yes **	Yes**	
* Tested for as carbendazim									
** Tested for as dithiocarbamates									

## V. Australia MRL Status

### 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	Common Name	US MRL (ppm)	Australia MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Acramite	Bifenazate	2.5	2.5	9,850	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.5	6,373	0.002	0.032
Admire/Nuprid	Imidacloprid	3	3	8,786	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	0.09	24,971	---	---
Ambush/Pounce	Permethrin	4	4	748	0.01	0.31
Apollo	Clofentezine	1	1	3,682	---	---
Aria/Beleaf/Carbine	Flonicamid	0.6	0.6	---	---	---
Asana	Esfenvalerate	3	{0.05}	1,183	0.01	0.04
Assail	Acetamiprid	1.5	2	235	0.03	0.18
Avaunt	Indoxacarb	0.9	1	0.25	0.03	0.03
Baythroid /Leverage 360	Beta-cyfluthrin	0.3	0.3	101	---	---
Centaur/Tourismo	Buprofezin	2	{1.9}	183	---	---
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	0.5	---	---	---
Danitol	Fenpropathrin	5	5	21,385	0.01	2.29
Delegate	Spinetoram	0.3	{0.2}	1,664	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.5}	---	---	---
Diazinon	Diazinon	0.2	0.5	243	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	{0.2}	---	---	---
Envidor	Spirodiclofen	1	1	1,127	0.06	0.06
Esteem	Pyriproxyfen	1	1	1,165	0.002	0.03
Etofenprox	Etofenprox	5	---	---	---	---
Fujimite	Fenpyroximate	2	2	1,487	---	---

## INSECTICIDES: Status of Australian MRLs

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- 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	Common Name	US MRL (ppm)	Australia MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Fyfanon	Malathion	8	8	7,180	0.003	0.43
Imidan	Phosmet	10	{0.05}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	3	9,035	0.002	0.1
Kanemite	Acequinocyl	1	{0.5}	---	---	---
Lorsban/Dursban	Chlorpyrifos	1	1	---	---	---
Magister	Fenazaquin	2	2	1,780	---	---
Methyl Bromide	Methyl Bromide	20	20	---	---	---
Movento	Spirotetramat	4.5	4.5	1,698	---	---
Mustang	Zeta-Cypermethrin	1	2	4,576	0.02	1
PyGanic	Pyrethrins	1	1	540	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	0.3	41	0.03	0.11
Rimon	Novaluron	8	8	---	---	---
Savey	Hexythiazox	1	1	5,354	---	---
Sevin	Carbaryl	10	{0.02}	416	0.003	0.84
Sivanto	Flupyradifurone	1.5	1.5	---	---	---
Success/Entrust	Spinosad	0.2	1	6,933	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	3	---	---	---
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	---	---	---	---
Vendex	Fenbutatin-oxide	6	6	54	---	---
Voliam	Chlorantraniliprole	2.5	2.5	6,319	0.01	0.02
Warrior II	Lambda Cyhalothrin	0.5	0.5	41,666	0.01	0.38
Zeal	Etoxazole	1	1	1,562	0.02	0.02

Note: This chart includes pesticide use information from 2019; 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	Common Name	US MRL (ppm)	Australia MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Abound	Azoxystrobin	2	{1.5}	2,931	0.0005	0.16
Botran/Britz	Dicloran	20	---	---	---	---
Bravo/Concert	Chlorothalonil	0.5	10	87	---	---
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	3	23,396	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	4	10,958	0.004	0.38
Captan/Captec	Captan	50	{15}	436	0.17	0.53
Elast/SYLLIT	Dodine	5	{3}	---	---	---
Elevate	Fenhexamid	10	10	12,347	0.01	1.42
Elite/Orius	Tebuconazole	5	5	20,026	0.01	1.97
Flint/Gem	Trifloxystrobin	2	5	18,079	0.001	0.11
Fontelis	Penthiopyrad	4	5	8,239	0.01	0.31
Gatten	Flutianil	0.4	---	---	---	---
Indar	Fenbuconazole	1	{0.02}	1,142	0.003	0.18
Inspire	Difenoconazole	2.5	2.5	2,884	0.02	0.06
Luna	Fluopyram	2	3	21,889	0.01	0.34
Misc.	O-phenylphenol	5	{0.1}	---	0.017	0.017
Penbotec	Pyrimethanil	10	10	---	---	---
Procure	Triflumizole	1.5	1.5	2,393	0.01	0.72
Quash	Metconazole	0.2	0.2	595	0.01	0.02
Quintec	Quinoxifen	0.7	0.7	8,646	0.0008	0.21
Rally	Myclobutanil	5	5	23,473	0.001	0.6
Rhyme	Flutriafol	1.5	1.5	140	---	---
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.2}	368	---	---
Rovral	Iprodione	20	{10}	23,679	0.006	4.7

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

Trade Name	Common Name	US MRL (ppm)	Australia MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	50	---	---
Tilt/Orbit	Propiconazole	4	4	12,656	0.002	0.28
Topsin	Thiophanate-methyl	20	20	4,463	0.02*	0.32*
Vivando	Metrafenone	2	2	10	0.06	0.1
Xemium	Fluxapyroxad	3	3	12,438	0.01	0.07
Ziram	Ziram	7	{3}	697	---	---

\* Detected as carbendazim

Note: This chart includes pesticide use information from 2019; this is the most current data available.

## HERBICIDES: 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	Common Name	US MRL (ppm)	Australia MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,370	---	---
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	{0.05}	6,840	---	---
Alion	Indaziflam	0.01	---	4,953	---	---
Casoron	Dichlobenil	0.15	{0.1}	---	---	---
Chateau	Flumioxazin	0.02	0.02	3,362	---	---
Fusilade	Fluazifop-P-butyl	0.05	0.05	1,397	---	---
Galigan/Oxyflow	Oxyfluorfen	0.05	0.05	16,889	---	---
Gramoxone	Paraquat dichloride	0.05	0.05	8,114	---	---
Kerb	Propyzamide	0.1	0.1	---	---	---
Kixor	Saflufenacil	0.03	0.03	---	---	---
Matrix	Rimsulfuron	0.01	0.01	5,485	---	---
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,023	---	---
Poast	Sethoxydim	0.2	0.2	1,117	---	---
Princep/Sim-Trol	Simazine	0.25	{0.1}	3	---	---
Reckon/Rely	Glufosinate-ammonium	0.3	{0.05}	21,308	---	---
Roundup	Glyphosate	0.2	0.2	26,633	---	---
Solicam	Norflurazon	0.1	0.2	40	---	---
Spur	Clopyralid	0.5	0.5	---	---	---
Surflan	Oryzalin	0.05	0.1	1,703	---	---
Treflan	Trifluralin	0.05	0.05	---	---	---
Venue	Pyraflufen-ethyl	0.01	0.01	3,738	---	---

Note: This chart includes pesticide use information from 2019; this is the most recent data that is currently available.



## SYNERGISTS/PLANT GROWTH REGULATORS: 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	Common Name	US MRL (ppm)	Australia MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,649	---	---
Misc.	1-Naphthaleneacetamide	0.1	---	---	---	---
Misc.	1-Naphthaleneacetic acid	0.1	---	---	---	---
Piperonyl Butoxide	Piperonyl Butoxide	8	8	7	0.017	0.064

Note: This chart includes pesticide use information from 2019; this is the most recent data that is currently available.

## VI. Canadian MRL Status

INSECTICIDES: Status of Canadian MRLs						
<ul style="list-style-type: none"> <li>MRL values listed in <b>red brackets { }</b> are more restrictive than the US MRL value</li> <li>Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs</li> <li>Dashes "----" indicate that no MRL has been established in the market</li> </ul>						
Trade Name	Common Name	US MRL (ppm)	Canada MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Acramite	Bifenazate	2.5	2.5	9,850	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.5	6,373	0.002	0.032
Admire/Nuprid	Imidacloprid	3	3	8,786	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	0.09	24,971	---	---
Ambush/Pounce	Permethrin	4	{0.1}*	748	0.01	0.31
Apollo	Clofentezine	1	{0.1}*	3,682	---	---
Aria/Beleaf/Carbine	Flonicamid	0.6	0.6	---	---	---
Asana	Esfenvalerate	3	{0.1}*	1,183	0.01	0.04
Assail	Acetamiprid	1.5	{1.2}	235	0.03	0.18
Avaunt	Indoxacarb	0.9	{0.1}*	0.25	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	{0.1}*	101	---	---
Centaur/Tourismo	Buprofezin	2	2	183	---	---
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.1}*	---	---	---
Danitol	Fenpropathrin	5	5	21,385	0.01	2.29
Delegate	Spinetoram	0.3	1	1,664	0.01	0.06
Desperado/Nexter	Pyridaben	3	3	---	---	---
Diazinon	Diazinon	0.2	{0.1}*	243	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	2	---	---	---
Envidor	Spirodiclofen	1	1	1,127	0.06	0.06
Esteem	Pyriproxyfen	1	1.5	1,165	0.002	0.03
Etofenprox	Etofenprox	5	{0.1}*	---	---	---
Fujimite	Fenpyroximate	2	2	1,487	---	---

## 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	Common Name	US MRL (ppm)	Canada MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Fyfanon	Malathion	8	{6}	7,180	0.003	0.43
Imidan	Phosmet	10	{7}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	6	9,035	0.002	0.1
Kanemite	Acequinocyl	1	{0.1}*	---	---	---
Lorsban/Dursban	Chlorpyrifos	1	{0.1}*	---	---	---
Magister	Fenazaquin	2	{0.1}*	1,780	---	---
Methyl Bromide	Methyl Bromide	20	{0.1}*	---	---	---
Movento	Spirotetramat	4.5	4.5	1,698	---	---
Mustang	Zeta-Cypermethrin	1	2	4,576	0.02	1
PyGanic	Pyrethrins	1	1	540	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	{0.1}*	41	0.03	0.11
Rimon	Novaluron	8	8	---	---	---
Savey	Hexythiazox	1	1	5,354	---	---
Sevin	Carbaryl	10	10	416	0.003	0.84
Sivanto	Flupyradifurone	1.5	1.5	---	---	---
Success/Entrust	Spinosad	0.2	1	6,933	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	3	---	---	---
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	2	---	---	---
Vendex	Fenbutatin-oxide	6	{0.1}*	54	---	---
Voliam	Chlorantraniliprole	2.5	2.5	6,319	0.01	0.02
Warrior II	Lambda Cyhalothrin	0.5	0.5	41,666	0.01	0.38
Zeal	Etoazole	1	1	1,562	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 2019; 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	Common Name	US MRL (ppm)	Canada MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Abound	Azoxystrobin	2	2	2,931	0.0005	0.16
Botran/Britz	Dicloran	20	{15}	---	---	---
Bravo/Concert	Chlorothalonil	0.5	0.5	87	---	---
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	2.5	23,396	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	{1.7}	10,958	0.004	0.38
Captan/Captec	Captan	50	{5}	436	0.17	0.53
Elast/SYLLIT	Dodine	5	{2}	---	---	---
Elevate	Fenhexamid	10	{6}	12,347	0.01	1.42
Elite/Orius	Tebuconazole	5	{3}	20,026	0.01	1.97
Flint/Gem	Trifloxystrobin	2	2	18,079	0.001	0.11
Fontelis	Penthiopyrad	4	4	8,239	0.01	0.31
Gatten	Flutianil	0.4	{0.1}*	---	---	---
Indar	Fenbuconazole	1	{0.8}	1,142	0.003	0.18
Inspire	Difenoconazole	2.5	2.5	2,884	0.02	0.06
Luna	Fluopyram	2	2	21,889	0.01	0.34
Misc.	O-phenylphenol	5	5	---	0.017	0.017
Penbotec	Pyrimethanil	10	10	---	---	---
Procure	Triflumizole	1.5	1.5	2,393	0.01	0.72
Quash	Metconazole	0.2	0.2	595	0.01	0.02
Quintec	Quinoxifen	0.7	0.7	8,646	0.0008	0.21
Rally	Myclobutanil	5	{1}	23,473	0.001	0.6
Rhyme	Flutriafol	1.5	1.5	140	---	---
Ridomil	Metalaxyl/ Metalaxyl-M	1	1	368	---	---

## 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	Common Name	US MRL (ppm)	Canada MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Rovral	Iprodione	20	{5} Expires Jun 21, 2022	23,679	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	50	---	---
Tilt/Orbit	Propiconazole	4	4	12,656	0.002	0.28
Topsin	Thiophanate-methyl	20	{5}	4,463	0.02**	0.32**
Vivando	Metrafenone	2	2	10	0.06	0.1
Xemium	Fluxapyroxad	3	3	12,438	0.01	0.07
Ziram	Ziram	7	7 Expires Dec 14, 2022	697	---	---
* Indicates where the Canadian default MRL of 0.1 ppm applies because no specific MRL has been established.						
** Detected as carbendazim						
Note: This chart includes pesticide use information from 2019; 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
- 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	Common Name	US MRL (ppm)	Canada MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,370	---	---
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	0.1	6,840	---	---
Alion	Indaziflam	0.01	0.01	4,953	---	---
Casoron	Dichlobenil	0.15	{0.1}*	---	---	---
Chateau	Flumioxazin	0.02	0.02	3,362	---	---
Fusilade	Fluazifop-P-butyl	0.05	0.05	1,397	---	---
Galigan/Oxyflow	Oxyfluorfen	0.05	0.1*	16,889	---	---
Gramoxone	Paraquat dichloride	0.05	0.05	8,114	---	---
Kerb	Propyzamide	0.1	0.1*	---	---	---
Kixor	Saflufenacil	0.03	0.03	---	---	---
Matrix	Rimsulfuron	0.01	0.01	5,485	---	---
Pendulum/Prowl	Pendimethalin	0.1	0.1	5,023	---	---
Poast	Sethoxydim	0.2	{0.1}*	1,117	---	---
Princep/Sim-Trol	Simazine	0.25	{0.1}*	3	---	---
Reckon/Rely	Glufosinate-ammonium	0.3	0.3	21,308	---	---
Roundup	Glyphosate	0.2	{0.1}*	26,633	---	---
Solicam	Norflurazon	0.1	0.1*	40	---	---
Spur	Clopyralid	0.5	0.5	---	---	---
Surflan	Oryzalin	0.05	0.1*	1,703	---	---
Treflan	Trifluralin	0.05	0.05	---	---	---
Venue	Pyraflufen-ethyl	0.01	0.1*	3,738	---	---

\* 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 2019; 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	Common Name	US MRL (ppm)	Canada MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,649	---	---
Misc.	1-Naphthaleneacetamide	0.1	0.1*	---	---	---
Misc.	1-Naphthaleneacetic acid	0.1	0.1*	---	---	---
Piperonyl Butoxide	Piperonyl Butoxide	8	8	7	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 2019; this is the most recent data that is currently available.						

## VII. European Union MRL Status

INSECTICIDES: Status of EU MRLs						
<ul style="list-style-type: none"> <li>MRL values listed in <b>red brackets { }</b> are more restrictive than the US MRL value</li> <li>Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs</li> <li>Dashes "---" indicate that no MRL has been established in the market</li> </ul>						
Trade Name	Common Name	US MRL (ppm)	EU MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	9,850	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.6	6,373	0.002	0.032
Admire/Nuprid	Imidacloprid	3	{0.5}	8,786	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	{0.01}	24,971	---	---
Ambush/Pounce	Permethrin	4	{0.05}	748	0.01	0.31
Apollo	Clofentezine	1	{0.02}	3,682	---	---
Aria/Beleaf/Carbine	Fonicamid	0.6	{0.4}	---	---	---
Asana	Esfenvalerate	3	{0.02}	1,183	0.01	0.04
Assail	Acetamiprid	1.5	1.5	235	0.03	0.18
Avaunt	Indoxacarb	0.9	1	0.25	0.03	0.03
Baythroid /Leverage 360	Beta-cyfluthrin	0.3	{0.2}	101	---	---
Centaur/Tourismo	Buprofezin	2	{0.01}	183	---	---
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.3}	---	---	---
Danitol	Fenpropathrin	5	{0.01}	21,385	0.01	2.29
Delegate	Spinetoram	0.3	2	1,664	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.01}	---	---	---
Diazinon	Diazinon	0.2	{0.01}	243	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	{0.01}	---	---	---
Envidor	Spirodiclofen	1	2	1,127	0.06	0.06
Esteem	Pyriproxyfen	1	1	1,165	0.002	0.03
Etofenprox	Etofenprox	5	{0.8}	---	---	---
Fujimite	Fenpyroximate	2	2	1,487	---	---



## 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	Common Name	US MRL (ppm)	EU MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Fyfanon	Malathion	8	{0.02}	7,180	0.003	0.43
Imidan	Phosmet	10	{1}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	9,035	0.002	0.1
Kanemite	Acequinocyl	1	{0.1}	---	---	---
Lorsban/Dursban	Chlorpyrifos	1	{0.01}	---	---	---
Magister	Fenazaquin	2	{0.3}	1,780	---	---
Methyl Bromide	Methyl Bromide	20	20	---	---	---
Movento	Spirotetramat	4.5	{3}	1,698	---	---
Mustang	Zeta-Cypermethrin	1	2	4,576	0.02	1
PyGanic	Pyrethrins	1	1	540	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	{0.2}	41	0.03	0.11
Rimon	Novaluron	8	{7}	---	---	---
Savey	Hexythiazox	1	1	5,354	---	---
Sevin	Carbaryl	10	{0.01}	416	0.003	0.84
Sivanto	Flupyradifurone	1.5	{0.01}	---	---	---
Success/Entrust	Spinosad	0.2	0.2	6,933	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	{1.5}	---	---	---
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	{0.01}*	---	---	---
Vendex	Fenbutatin-oxide	6	{0.01}	54	---	---
Voliam	Chlorantraniliprole	2.5	{1}	6,319	0.01	0.02
Warrior II	Lambda Cyhalothrin	0.5	{0.3}	41,666	0.01	0.38
Zeal	Etoazole	1	{0.3}	1,562	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 2019; 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	Common Name	US MRL (ppm)	EU MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Abound	Azoxystrobin	2	2	2,931	0.0005	0.16
Botran/Britz	Dicloran	20	{0.01}	---	---	---
Bravo/Concert	Chlorothalonil	0.5	{0.01}	87	---	---
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	3	23,396	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	4	10,958	0.004	0.38
Captan/Captec	Captan	50	{6}	436	0.17	0.53
Elast/SYLLIT	Dodine	5	{3}	---	---	---
Elevate	Fenhexamid	10	{7}	12,347	0.01	1.42
Elite/Orius	Tebuconazole	5	{1}	20,026	0.01	1.97
Flint/Gem	Trifloxystrobin	2	3	18,079	0.001	0.11
Fontelis	Penthiopyrad	4	4	8,239	0.01	0.31
Gatten	Flutianil	0.4	{0.01}	---	---	---
Indar	Fenbuconazole	1	1	1,142	0.003	0.18
Inspire	Difenoconazole	2.5	{0.3}	2,884	0.02	0.06
Luna	Fluopyram	2	2	21,889	0.01	0.34
Misc.	O-phenylphenol	5	{0.01}	---	0.017	0.017
Penbotec	Pyrimethanil	10	{4}	---	---	---
Procure	Triflumizole	1.5	{0.02}	2,393	0.01	0.72
Quash	Metconazole	0.2	0.2	595	0.01	0.02
Quintec	Quinoxifen	0.7	{0.3}	8,646	0.0008	0.21
Rally	Myclobutanil	5	{3}	23,473	0.001	0.6
Rhyme	Flutriafol	1.5	{1}	140	---	---
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.01}	368	---	---
Rovral	Iprodione	20	{0.01}	23,679	0.006	4.7

## 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	Common Name	US MRL (ppm)	EU MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	50	---	---
Tilt/Orbit	Propiconazole	4	{0.01}	12,656	0.002	0.28
Topsin	Thiophanate-methyl	20	{0.3}	4,463	0.02**	0.32**
Vivando	Metrafenone	2	2	10	0.06	0.1
Xemium	Fluxapyroxad	3	3	12,438	0.01	0.07
Ziram	Ziram	7	{5}	697	---	---
* Indicates where the EU 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 2019; 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
- 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	Common Name	US MRL (ppm)	EU MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,370	---	---
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	{0.01} Pending 0.02 May 17, 2021	6,840	---	---
Alion	Indaziflam	0.01	0.01*	4,953	---	---
Casoron	Dichlobenil	0.15	{0.01}	---	---	---
Chateau	Flumioxazin	0.02	0.02	3,362	---	---
Fusilade	Fluazifop-P-butyl	0.05	{0.01}	1,397	---	---
Galigan/Oxyflow	Oxyfluorfen	0.05	0.1	16,889	---	---
Gramoxone	Paraquat dichloride	0.05	{0.02}	8,114	---	---
Kerb	Propyzamide	0.1	{0.02}	---	---	---
Kixor	Saflufenacil	0.03	0.03	---	---	---
Matrix	Rimsulfuron	0.01	0.01	5,485	---	---
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,023	---	---
Poast	Sethoxydim	0.2	{0.1}	1,117	---	---
Princep/Sim-Trol	Simazine	0.25	0.25	3	---	---
Reckon/Rely	Glufosinate-ammonium	0.3	{0.15}	21,308	---	---
Roundup	Glyphosate	0.2	{0.1}	26,633	---	---
Solicam	Norflurazon	0.1	{0.01}	40	---	---
Spur	Clopyralid	0.5	0.5	---	---	---
Surflan	Oryzalin	0.05	{0.01}	1,703	---	---
Treflan	Trifluralin	0.05	{0.01}	---	---	---
Venue	Pyraflufen-ethyl	0.01	0.02	3,738	---	---

\* 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 2019; 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	Common Name	US MRL (ppm)	EU MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,649	---	---
Misc.	1-Naphthaleneacetamide	0.1	{0.06}	---	---	---
Misc.	1-Naphthaleneacetic acid	0.1	{0.06}	---	---	---
Piperonyl Butoxide	Piperonyl Butoxide	8	---	7	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 2019; this is the most recent data that is currently available.

## VIII. 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	Common Name	US MRL (ppm)	GB MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	9,850	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.6	6,373	0.002	0.032
Admire/Nuprid	Imidacloprid	3	{0.5}	8,786	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	{0.01}	24,971	---	---
Ambush/Pounce	Permethrin	4	{0.05}	748	0.01	0.31
Apollo	Clofentezine	1	{0.02}	3,682	---	---
Aria/Beleaf/Carbine	Flonicamid	0.6	{0.4}	---	---	---
Asana	Esfenvalerate	3	{0.02}	1,183	0.01	0.04
Assail	Acetamiprid	1.5	1.5	235	0.03	0.18
Avaunt	Indoxacarb	0.9	1	0.25	0.03	0.03
Baythroid /Leverage 360	Beta-cyfluthrin	0.3	{0.2}	101	---	---
Centaur/Tourismo	Buprofezin	2	{0.01}	183	---	---
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.3}	---	---	---
Danitol	Fenpropathrin	5	{0.01}	21,385	0.01	2.29
Delegate	Spinetoram	0.3	2	1,664	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.01}	---	---	---
Diazinon	Diazinon	0.2	{0.01}	243	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	{0.01}	---	---	---
Envidor	Spirodiclofen	1	2	1,127	0.06	0.06
Esteem	Pyriproxyfen	1	1	1,165	0.002	0.03
Etofenprox	Etofenprox	5	{0.8}	---	---	---

## 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	Common Name	US MRL (ppm)	GB MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Fujimite	Fenpyroximate	2	2	1,487	---	---
Fyfanon	Malathion	8	{0.02}	7,180	0.003	0.43
Imidan	Phosmet	10	{1}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	9,035	0.002	0.1
Kanemite	Acequinocyl	1	{0.1}	---	---	---
Lorsban/Dursban	Chlorpyrifos	1	{0.01}	---	---	---
Magister	Fenazaquin	2	{0.3}	1,780	---	---
Methyl Bromide	Methyl Bromide	20	20	---	---	---
Movento	Spirotetramat	4.5	{3}	1,698	---	---
Mustang	Zeta-Cypermethrin	1	2	4,576	0.02	1
PyGanic	Pyrethrins	1	1	540	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	{0.2}	41	0.03	0.11
Rimon	Novaluron	8	{7}	---	---	---
Savey	Hexythiazox	1	1	5,354	---	---
Sevin	Carbaryl	10	{0.01}	416	0.003	0.84
Sivanto	Flupyradifurone	1.5	{0.01}	---	---	---
Success/Entrust	Spinosad	0.2	0.2	6,933	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	{1.5}	---	---	---
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	{0.01}	---	---	---
Vendex	Fenbutatin-oxide	6	{0.01}	54	---	---
Voliam	Chlorantraniliprole	2.5	{1}	6,319	0.01	0.02
Warrior II	Lambda Cyhalothrin	0.5	{0.3}	41,666	0.01	0.38
Zeal	Etoazole	1	{0.3}	1,562	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 2019; 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	Common Name	US MRL (ppm)	GB MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Abound	Azoxystrobin	2	2	2,931	0.0005	0.16
Botran/Britz	Dicloran	20	{0.01}	---	---	---
Bravo/Concert	Chlorothalonil	0.5	{0.01}	87	---	---
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	3	23,396	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	4	10,958	0.004	0.38
Captan/Captec	Captan	50	{6}	436	0.17	0.53
Elast/SYLLIT	Dodine	5	{3}	---	---	---
Elevate	Fenhexamid	10	{7}	12,347	0.01	1.42
Elite/Orius	Tebuconazole	5	{1}	20,026	0.01	1.97
Flint/Gem	Trifloxystrobin	2	3	18,079	0.001	0.11
Fontelis	Penthiopyrad	4	4	8,239	0.01	0.31
Gatten	Flutianil	0.4	{0.01}	---	---	---
Indar	Fenbuconazole	1	1	1,142	0.003	0.18
Inspire	Difenoconazole	2.5	{0.3}	2,884	0.02	0.06
Luna	Fluopyram	2	2	21,889	0.01	0.34
Misc.	O-phenylphenol	5	{0.01}	---	0.017	0.017
Penbotec	Pyrimethanil	10	{4}	---	---	---
Procure	Triflumizole	1.5	{0.02}	2,393	0.01	0.72
Quash	Metconazole	0.2	0.2	595	0.01	0.02
Quintec	Quinoxifen	0.7	{0.3}	8,646	0.0008	0.21
Rally	Myclobutanil	5	{3}	23,473	0.001	0.6
Rhyme	Flutriafol	1.5	{1}	140	---	---



## 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	Common Name	US MRL (ppm)	GB MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.01}	368	---	---
Rovral	Iprodione	20	{0.01}	23,679	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	50	---	---
Tilt/Orbit	Propiconazole	4	{0.01}	12,656	0.002	0.28
Topsin	Thiophanate-methyl	20	{0.3}	4,463	0.02**	0.32**
Vivando	Metrafenone	2	2	10	0.06	0.1
Xemium	Fluxapyroxad	3	3	12,438	0.01	0.07
Ziram	Ziram	7	{5}	697	---	---

\* Indicates where the GB 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 2019; 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.
- 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	Common Name	US MRL (ppm)	GB MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05	1,370	---	---
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	{0.01}	6,840	---	---
Alion	Indaziflam	0.01	0.01*	4,953	---	---
Casoron	Dichlobenil	0.15	{0.01}	---	---	---
Chateau	Flumioxazin	0.02	0.02	3,362	---	---
Fusilade	Fluazifop-P-butyl	0.05	{0.01}	1,397	---	---
Galigan/Oxyflow	Oxyfluorfen	0.05	0.1	16,889	---	---
Gramoxone	Paraquat dichloride	0.05	{0.02}	8,114	---	---
Kerb	Propyzamide	0.1	{0.02}	---	---	---
Kixor	Saflufenacil	0.03	0.03	---	---	---
Matrix	Rimsulfuron	0.01	0.01	5,485	---	---
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,023	---	---
Poast	Sethoxydim	0.2	{0.1}	1,117	---	---
Princep/Sim-Trol	Simazine	0.25	0.25	3	---	---
Reckon/Rely	Glufosinate-ammonium	0.3	{0.15}	21,308	---	---
Roundup	Glyphosate	0.2	{0.1}	26,633	---	---
Solicam	Norflurazon	0.1	{0.01}*	40	---	---
Spur	Clopyralid	0.5	0.5	---	---	---
Surflan	Oryzalin	0.05	{0.01}	1,703	---	---
Treflan	Trifluralin	0.05	{0.01}	---	---	---
Venue	Pyraflufen-ethyl	0.01	0.02	3,738	---	---

\* 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 2019; 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	Common Name	US MRL (ppm)	GB MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,649	---	---
Misc.	1-Naphthaleneacetamide	0.1	{0.06}	---	---	---
Misc.	1-Naphthaleneacetic acid	0.1	{0.06}	---	---	---
Piperonyl Butoxide	Piperonyl Butoxide	8	---	7	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 2019; this is the most recent data that is currently available.

## IX. Japanese MRL Status

INSECTICIDES: Status of Japanese MRLs						
<ul style="list-style-type: none"> <li>MRL values listed in <b>red brackets { }</b> are more restrictive than the US MRL value</li> <li>Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs</li> <li>Dashes “---” indicate that no MRL has been established in the market</li> </ul>						
Trade Name	Common Name	US MRL (ppm)	Japan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	9,850	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	5	6,373	0.002	0.032
Admire/Nuprid	Imidacloprid	3	{2}	8,786	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	0.09	24,971	---	---
Ambush/Pounce	Permethrin	4	7	748	0.01	0.31
Apollo	Clofentezine	1	{0.5}	3,682	---	---
Aria/Beleaf/Carbine	Flonicamid	0.6	2	---	---	---
Asana	Esfenvalerate	3	{2}	1,183	0.01	0.04
Assail	Acetamiprid	1.5	5	235	0.03	0.18
Avaunt	Indoxacarb	0.9	0.9	0.25	0.03	0.03
Baythroid XL/Leverage 360	Beta-cyfluthrin	0.3	1	101	---	---
Centaur/Tourismo	Buprofezin	2	5	183	---	---
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.01}* 0.01	---	---	---
Danitol	Fenpropathrin	5	5	21,385	0.01	2.29
Delegate	Spinetoram	0.3	0.5	1,664	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.7}	---	---	---
Diazinon	Diazinon	0.2	1	243	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	2	---	---	---
Envidor	Spirodiclofen	1	3	1,127	0.06	0.06

## 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	Common Name	US MRL (ppm)	Japan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Esteem	Pyriproxyfen	1	1	1,165	0.002	0.03
Etofenprox	Etofenprox	5	{0.01}*	---	---	---
Fujimite	Fenpyroximate	2	2	1,487	---	---
Fyfanon	Malathion	8	{6}	7,180	0.003	0.43
Imidan	Phosmet	10	{0.1}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	9,035	0.002	0.1
Kanemite	Acequinocyl	1	2	---	---	---
Lorsban/Dursban	Chlorpyrifos	1	1	---	---	---
Magister	Fenazaquin	2	2 Import Tolerance	1,780	---	---
Methyl Bromide	Methyl Bromide	20	20	---	---	---
Movento	Spirotetramat	4.5	5	1,698	---	---
Mustang	Zeta-Cypermethrin	1	2	4,576	0.02	1
PyGanic	Pyrethrins	1	1	540	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	1	41	0.03	0.11
Rimon	Novaluron	8	{7}	---	---	---
Savey	Hexythiazox	1	1	5,354	---	---
Sevin	Carbaryl	10	10 Pending 7 Jul 14, 2021	416	0.003	0.84
Sivanto	Flupyradifurone	1.5	{0.01}*	---	---	---
Success/Entrust	Spinosad	0.2	0.2	6,933	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	3 Import Tolerance	---	---	---

## 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	Common Name	US MRL (ppm)	Japan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	{0.01}*	---	---	---
Vendex	Fenbutatin-oxide	6	10	54	---	---
Voliam	Chlorantraniliprole	2.5	{1}	6,319	0.01	0.02
Warrior II	Lambda Cyhalothrin	0.5	0.5	41,666	0.01	0.38
Zeal	Etoxazole	1	1	1,562	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 2019; 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	Common Name	US MRL (ppm)	Japan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Abound	Azoxystrobin	2	3	2,931	0.0005	0.16
Botran/Britz	Dicloran	20	{10}	---	---	---
Bravo/Concert	Chlorothalonil	0.5	0.5	87	---	---
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	3	23,396	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	{3}	10,958	0.004	0.38
Captan/Captec	Captan	50	{25}	436	0.17	0.53
Elast/SYLLIT	Dodine	5	{3}	---	---	---
Elevate	Fenhexamid	10	10	12,347	0.01	1.42
Elite/Orius	Tebuconazole	5	7	20,026	0.01	1.97
Flint/Gem	Trifloxystrobin	2	3	18,079	0.001	0.11
Fontelis	Penthiopyrad	4	5	8,239	0.01	0.31
Gatten	Flutianil	0.4	0.4	---	---	---
Indar	Fenbuconazole	1	1	1,142	0.003	0.18
Inspire	Difenoconazole	2.5	3	2,884	0.02	0.06
Luna	Fluopyram	2	5	21,889	0.01	0.34
Misc.	O-phenylphenol	5	{2}	---	0.017	0.017
Penbotec	Pyrimethanil	10	10	---	---	---
Procure	Triflumizole	1.5	3	2,393	0.01	0.72
Quash	Metconazole	0.2	0.2	595	0.01	0.02
Quintec	Quinoxifen	0.7	{0.4}	8,646	0.0008	0.21
Rally	Myclobutanil	5	{2}	23,473	0.001	0.6
Rhyme	Flutriafol	1.5	2	140	---	---
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.2}	368	---	---
Rovral	Iprodione	20	{10}	23,679	0.006	4.7

## 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	Common Name	US MRL (ppm)	Japan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	50	---	---
Tilt/Orbit	Propiconazole	4	4	12,656	0.002	0.28
Topsin	Thiophanate-methyl	20	{3}	4,463	0.02**	0.32**
Vivando	Metrafenone	2	2	10	0.06	0.1
Xemium	Fluxapyroxad	3	3	12,438	0.01	0.07
Ziram	Ziram	7	7	697	---	---
* 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 2019; 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
- 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	Common Name	US MRL (ppm)	Japan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.2	1,370	---	---
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	0.1	6,840	---	---
Alion	Indaziflam	0.01	0.01*	4,953	---	---
Casoron	Dichlobenil	0.15	{0.01}*	---	---	---
Chateau	Flumioxazin	0.02	0.02	3,362	---	---
Fusilade	Fluazifop-P-butyl	0.05	{0.01}*	1,397	---	---
Galigan/Oxyflow	Oxyfluorfen	0.05	0.05	16,889	---	---
Gramoxone	Paraquat dichloride	0.05	0.05	8,114	---	---
Kerb	Propyzamide	0.1	{0.01}*	---	---	---
Kixor	Saflufenacil	0.03	0.03	---	---	---
Matrix	Rimsulfuron	0.01	0.01*	5,485	---	---
Pendulum/Prowl	Pendimethalin	0.1	{0.05}	5,023	---	---
Poast	Sethoxydim	0.2	{0.01}*	1,117	---	---
Princep/Sim-Trol	Simazine	0.25	{0.2}	3	---	---
Reckon/Rely	Glufosinate-ammonium	0.3	0.3	21,308	---	---
Roundup	Glyphosate	0.2	0.2	26,633	---	---
Solicam	Norflurazon	0.1	0.1	40	---	---
Spur	Clopyralid	0.5	0.5	---	---	---
Surflan	Oryzalin	0.05	0.08	1,703	---	---
Treflan	Trifluralin	0.05	0.05	---	---	---
Venue	Pyraflufen-ethyl	0.01	0.02	3,738	---	---

\* 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 2019; 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	Common Name	US MRL (ppm)	Japan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4**	4,649	---	---
Misc.	1-Naphthaleneacetamide	0.1	{0.01}*	---	---	---
Misc.	1-Naphthaleneacetic acid	0.1	0.1	---	---	---
Piperonyl Butoxide	Piperonyl Butoxide	8	8	7	0.017	0.064
* Indicates where the Japanese default MRL of 0.01 ppm applies because no specific MRL has been established.						
** The MRL was established according to the MHLW amendment “生食発 0718 第2号” from July 2018. It does not currently appear in the Japanese Food Chemical Research Foundation database.						
Note: This chart includes pesticide use information from 2019; this is the most recent data that is currently available.						

## X. South Korean MRL Status

INSECTICIDES: Status of S. Korean MRLs						
<ul style="list-style-type: none"> <li>MRL values listed in <b>red brackets { }</b> are more restrictive than the US MRL value</li> <li>Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs</li> <li>Dashes "----" indicate that no MRL has been established in the market</li> </ul>						
Trade Name	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{0.3} Expires Dec 31, 2021	9,850	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	1	6,373	0.002	0.032
Admire/Nuprid	Imidacloprid	3	3 Import Tolerance	8,786	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	{0.06} Import Tolerance	24,971	---	---
Ambush/Pounce	Permethrin	4	5 Expires Dec 31, 2021	748	0.01	0.31
Apollo	Clofentezine	1	{0.2} Expires Dec 31, 2021	3,682	---	---
Aria/Beleaf/Carbine	Flonicamid	0.6	3	---	---	---
Asana	Esfenvalerate	3	{0.01}* Expires Dec 31, 2021	1,183	0.01	0.04
Assail	Acetamiprid	1.5	1.5 Import Tolerance	235	0.03	0.18
Avaunt	Indoxacarb	0.9	0.9 Import Tolerance	0.25	0.03	0.03
Baythroid /Leverage 360	Beta-cyfluthrin	0.3	1 Expires Dec 31, 2021	101	---	---
Centaur/Tourismo	Buprofezin	2	{1.9} Import Tolerance	183	---	---
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.3} Import Tolerance	---	---	---
Danitol	Fenpropathrin	5	5 Import Tolerance	21,385	0.01	2.29

## 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	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Delegate	Spinetoram	0.3	{0.2} Import Tolerance	1,664	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.01}*	---	---	---
Diazinon	Diazinon	0.2	{0.01}*	243	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	2 Expires Dec 31, 2021	---	---	---
Envidor	Spirodiclofen	1	2	1,127	0.06	0.06
Esteem	Pyriproxyfen	1	{0.2} Expires Dec 31, 2021	1,165	0.002	0.03
Etofenprox	Etofenprox	5	{1}	---	---	---
Fujimite	Fenpyroximate	2	2 Import Tolerance	1,487	---	---
Fyfanon	Malathion	8	{0.5} Expires Dec 31, 2021	7,180	0.003	0.43
Imidan	Phosmet	10	{0.05} Expires Dec 31, 2021	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	9,035	0.002	0.1
Kanemite	Acequinocyl	1	{0.5}	---	---	---
Lorsban/Dursban	Chlorpyrifos	1	{0.5} Expires Dec 31, 2021	---	---	---
Magister	Fenazaquin	2	2 Import Tolerance	1,780	---	---
Methyl Bromide	Methyl Bromide	20	20 Import Tolerance	---	---	---
Movento	Spirotetramat	4.5	{3} Import Tolerance	1,698	---	---
Mustang	Zeta-Cypermethrin	1	1	4,576	0.02	1

## 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	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
PyGanic	Pyrethrins	1	1 <i>Expires Dec 31, 2021</i>	540	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	1 <i>Expires Dec 31, 2021</i>	41	0.03	0.11
Rimon	Novaluron	8	{0.2} <i>Expires Dec 31, 2021</i>	---	---	---
Savey	Hexythiazox	1	{0.1} <i>Expires Dec 31, 2021</i>	5,354	---	---
Sevin	Carbaryl	10	{0.5} <i>Expires Dec 31, 2021</i>	416	0.003	0.84
Sivanto	Flupyradifurone	1.5	1.5 Import Tolerance	---	---	---
Success/Entrust	Spinosad	0.2	0.2 Import Tolerance	6,933	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	{1.5} Import Tolerance	---	---	---
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	2 Import Tolerance	---	---	---
Vendex	Fenbutatin-oxide	6	{5} <i>Expires Dec 31, 2021</i>	54	---	---
Voliam	Chlorantraniliprole	2.5	{0.5}	6,319	0.01	0.02
Warrior II	Lambda Cyhalothrin	0.5	{0.3} Import Tolerance	41,666	0.01	0.38
Zeal	Etoazole	1	{0.5}	1,562	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 2019; 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	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Abound	Azoxystrobin	2	2	2,931	0.0005	0.16
Botran/Britz	Dicloran	20	{10} Expires Dec 31, 2021	---	---	---
Bravo/Concert	Chlorothalonil	0.5	3 Pending 0.5 Feb 01, 2021	87	---	---
Cabrio/Insignia/ Pageant	Pyraclostrobin	2.5	{2} Import Tolerance	23,396	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	4 Import Tolerance	10,958	0.004	0.38
Captan/Captec	Captan	50	{5} Pending 3 Feb 01, 2021	436	0.17	0.53
Elast/SYLLIT	Dodine	5	{2} Expires Dec 31, 2021	---	---	---
Elevate	Fenhexamid	10	{5}	12,347	0.01	1.42
Elite/Orius	Tebuconazole	5	{4} Import Tolerance	20,026	0.01	1.97
Flint/Gem	Trifloxystrobin	2	{0.5}	18,079	0.001	0.11
Fontelis	Penthiopyrad	4	4 Import Tolerance	8,239	0.01	0.31
Gatten	Flutianil	0.4	0.4 Import Tolerance	---	---	---
Indar	Fenbuconazole	1	1 Import Tolerance	1,142	0.003	0.18

## 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	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Inspire	Difenoconazole	2.5	{2} Import Tolerance	2,884	0.02	0.06
Luna	Fluopyram	2	{0.6} Import Tolerance	21,889	0.01	0.34
Misc.	O-phenylphenol	5	{3} Expires Dec 31, 2021	---	0.017	0.017
Penbotec	Pyrimethanil	10	{4} Import Tolerance	---	---	---
Procure	Triflumizole	1.5	1.5 Import Tolerance	2,393	0.01	0.72
Quash	Metconazole	0.2	0.5	595	0.01	0.02
Quintec	Quinoxifen	0.7	{0.4} Import Tolerance	8,646	0.0008	0.21
Rally	Myclobutanil	5	{2} Import Tolerance	23,473	0.001	0.6
Rhyme	Flutriafol	1.5	{0.8} Expires Dec 31, 2021	140	---	---
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.05} Expires Dec 31, 2021	368	---	---
Rovral	Iprodione	20	{10} Expires Dec 31, 2021	23,679	0.006	4.7
Scholar	Fludioxonil	5	5 Import Tolerance	---	0.021	0.41
Switch	Cyprodinil	2	2 Import Tolerance	50	---	---
Tilt/Orbit	Propiconazole	4	{2} Import Tolerance	12,656	0.002	0.28

## 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	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Topsin	Thiophanate-methyl	20	{15} Import Tolerance	4,463	0.02**	0.32**
Vivando	Metrafenone	2	2 Import Tolerance	10	0.06	0.1
Xemium	Fluxapyroxad	3	3 Import Tolerance	12,438	0.01	0.07
Ziram	Ziram	7	{0.7}	697	---	---
* Indicates where the Korean 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 2019; 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
- 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	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.05 Import Tolerance	1,370	---	---
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	0.1 Expires Dec 31, 2021	6,840	---	---
Alion	Indaziflam	0.01	0.01*	4,953	---	---
Casoron	Dichlobenil	0.15	0.15 Expires Dec 31, 2021	---	---	---
Chateau	Flumioxazin	0.02	{0.01}*	3,362	---	---
Fusilade	Fluazifop-P-butyl	0.05	{0.01}*	1,397	---	---
Galigan/Oxyflow	Oxyfluorfen	0.05	0.05 Import Tolerance	16,889	---	---
Gramoxone	Paraquat dichloride	0.05	0.05 Expires Dec 31, 2021	8,114	---	---
Kerb	Propyzamide	0.1	{0.02} Expires Dec 31, 2021	---	---	---
Kixor	Saflufenacil	0.03	0.03 Import Tolerance	---	---	---
Matrix	Rimsulfuron	0.01	0.01*	5,485	---	---
Pendulum/Prowl	Pendimethalin	0.1	{0.05} Import Tolerance	5,023	---	---
Poast	Sethoxydim	0.2	1 Expires Dec 31, 2021	1,117	---	---
Princep/Sim-Trol	Simazine	0.25	0.25 Expires Dec 31, 2021	3	---	---
Reckon/Rely	Glufosinate-Ammonium	0.3	{0.15} Import Tolerance	21,308	---	---

## HERBICIDES: 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	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Roundup	Glyphosate	0.2	{0.05} Expires Dec 31, 2021	26,633	---	---
Solicam	Norflurazon	0.1	0.1 Expires Dec 31, 2021	40	---	---
Spur	Clopyralid	0.5	{0.05} Import Tolerance	---	---	---
Surflan	Oryzalin	0.05	0.05 Expires Dec 31, 2021	1,703	---	---
Treflan	Trifluralin	0.05	0.05 Expires Dec 31, 2021	---	---	---
Venue	Pyraflufen-ethyl	0.01	0.01*	3,738	---	---

\* 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 2019; 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	Common Name	US MRL (ppm)	S. Korea MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4 Import Tolerance	4,649	---	---
Misc.	1-Naphthaleneacetamide	0.1	{0.01}*	---	---	---
Misc.	1-Naphthaleneacetic acid	0.1	{0.01}*	---	---	---
Piperonyl Butoxide	Piperonyl Butoxide	8	{0.2} Expires Dec 31, 2021	7	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 2019; this is the most recent data that is currently available.

## XI. Taiwanese MRL Status

INSECTICIDES: Status of Taiwanese MRLs						
<ul style="list-style-type: none"> <li>MRL values listed in <b>red brackets { }</b> are more restrictive than the US MRL value</li> <li>Cells shaded in yellow indicate actual residues detected in USDA and industry tests higher than foreign MRLs</li> <li>Dashes "---" indicate that no MRL has been established in the market</li> </ul>						
Trade Name	Common Name	US MRL (ppm)	Taiwan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Acramite	Bifenazate	2.5	{2}	9,850	0.02	0.02
Actara/Voliam Flexi	Thiamethoxam	0.5	0.5	6,373	0.002	0.032
Admire/Nuprid	Imidacloprid	3	{2}	8,786	0.01	0.35
Agri-mek/ Epi-Mek	Abamectin	0.09	0.09	24,971	---	---
Ambush/Pounce	Permethrin	4	{2}	748	0.01	0.31
Apollo	Clofentezine	1	{0.5}	3,682	---	---
Aria/Beleaf/Carbine	Fonicamid	0.6	{0.01}	---	---	---
Asana	Esfenvalerate	3	{1}	1,183	0.01	0.04
Assail	Acetamiprid	1.5	{1}	235	0.03	0.18
Avaunt	Indoxacarb	0.9	{0.5}	0.25	0.03	0.03
Baythroid /Leverage 360	Beta-cyfluthrin	0.3	{0.01}	101	---	---
Centaur/Tourismo	Buprofezin	2	{1.5}	183	---	---
Cobalt/Proaxis	Gamma Cyhalothrin	0.5	{0.4}	---	---	---
Danitol	Fenpropathrin	5	5	21,385	0.01	2.29
Delegate	Spinetoram	0.3	{0.2}	1,664	0.01	0.06
Desperado/Nexter	Pyridaben	3	{0.5}	---	---	---
Diazinon	Diazinon	0.2	1	243	0.002	0.01
Dimethoate	Dimethoate	2 US Regional	---	---	---	---
Envidor	Spirodiclofen	1	{0.8}	1,127	0.06	0.06
Esteem	Pyriproxyfen	1	{0.5}	1,165	0.002	0.03
Etofenprox	Etofenprox	5	---	---	---	---

## 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	Common Name	US MRL (ppm)	Taiwan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Fujimite	Fenpyroximate	2	{0.3}	1,487	---	---
Fyfanon	Malathion	8	{0.5}	7,180	0.003	0.43
Imidan	Phosmet	10	{2}	---	0.005	0.091
Intrepid	Methoxyfenozide	3	{2}	9,035	0.002	0.1
Kanemite	Acequinocyl	1	{0.5}	---	---	---
Lorsban/Dursban	Chlorpyrifos	1	1	---	---	---
Magister	Fenazaquin	2	{0.5}	1,780	---	---
Methyl Bromide	Methyl Bromide	20	---	---	---	---
Movento	Spirotetramat	4.5	{3}	1,698	---	---
Mustang	Zeta-Cypermethrin	1	2	4,576	0.02	1
PyGanic	Pyrethrins	1	---	540	0.01	0.05
Renounce/Tombstone	Cyfluthrin	0.3	{0.01}	41	0.03	0.11
Rimon	Novaluron	8	{2}	---	---	---
Savey	Hexythiazox	1	1	5,354	---	---
Sevin	Carbaryl	10	{0.5}	416	0.003	0.84
Sivanto	Flupyradifurone	1.5	{1}	---	---	---
Success/Entrust	Spinosad	0.2	0.2	6,933	0.005	0.17
Sulfoxaflor	Sulfoxaflor	3	---	---	---	---
Tolfenpyrad/Hachi Hachi	Tolfenpyrad	2	{0.01}	---	---	---
Vendex	Fenbutatin-oxide	6	{2}	54	---	---
Voliam	Chlorantraniliprole	2.5	{1}	6,319	0.01	0.02
Warrior II	Lambda Cyhalothrin	0.5	{0.4}	41,666	0.01	0.38
Zeal	Etoazole	1	1	1,562	0.02	0.02

Note: This chart includes pesticide use information from 2019; 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	Common Name	US MRL (ppm)	Taiwan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Abound	Azoxystrobin	2	{1}	2,931	0.0005	0.16
Botran/Britz	Dicloran	20	{5}	---	---	---
Bravo/Concert	Chlorothalonil	0.5	0.5	87	---	---
Cabrio/Insignia/Pageant	Pyraclostrobin	2.5	{1}	23,396	0.002	0.38
Cabrio/Pristine	Boscalid	3.5	{1.7}	10,958	0.004	0.38
Captan/Captec	Captan	50	{25}	436	0.17	0.53
Elast/SYLLIT	Dodine	5	{2}	---	---	---
Elevate	Fenhexamid	10	{7}	12,347	0.01	1.42
Elite/Orius	Tebuconazole	5	{2}	20,026	0.01	1.97
Flint/Gem	Trifloxystrobin	2	3	18,079	0.001	0.11
Fontelis	Penthiopyrad	4	4	8,239	0.01	0.31
Gatten	Flutianil	0.4	---	---	---	---
Indar	Fenbuconazole	1	1	1,142	0.003	0.18
Inspire	Difenoconazole	2.5	{1}	2,884	0.02	0.06
Luna	Fluopyram	2	{1.5}	21,889	0.01	0.34
Misc.	O-phenylphenol	5	---	---	0.017	0.017
Penbotec	Pyrimethanil	10	{4}	---	---	---
Procure	Triflumizole	1.5	{1}	2,393	0.01	0.72
Quash	Metconazole	0.2	0.2	595	0.01	0.02
Quintec	Quinoxifen	0.7	{0.4}	8,646	0.0008	0.21
Rally	Myclobutanil	5	{1}	23,473	0.001	0.6
Rhyme	Flutriafol	1.5	{1}	140	---	---

## 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	Common Name	US MRL (ppm)	Taiwan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Ridomil	Metalaxyl/ Metalaxyl-M	1	{0.2}	368	---	---
Rovral	Iprodione	20	{5}	23,679	0.006	4.7
Scholar	Fludioxonil	5	5	---	0.021	0.41
Switch	Cyprodinil	2	2	50	---	---
Tilt/Orbit	Propiconazole	4	{1}	12,656	0.002	0.28
Topsin	Thiophanate-methyl	20	{5}	4,463	0.02**	0.32**
Vivando	Metrafenone	2	{1}	10	0.06	0.1
Xemium	Fluxapyroxad	3	{2}	12,438	0.01	0.07
Ziram	Ziram	7	{2.5}	697	---	---

\*\* Detected as carbendazim

Note: This chart includes pesticide use information from 2019; 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
- 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	Common Name	US MRL (ppm)	Taiwan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
2,4-D	2,4-D	0.05	0.2	1,370	---	---
Aim/Rage/Shark	Carfentrazone-ethyl	0.1	0.1	6,840	---	---
Alion	Indaziflam	0.01	---	4,953	---	---
Casoron	Dichlobenil	0.15	---	---	---	---
Chateau	Flumioxazin	0.02	---	3,362	---	---
Fusilade	Fluazifop-P-butyl	0.05	{0.01}	1,397	---	---
Galigan/Oxyflow	Oxyfluorfen	0.05	{0.03}	16,889	---	---
Gramoxone	Paraquat dichloride	0.05	{0.01}	8,114	---	---
Kerb	Propyzamide	0.1	---	---	---	---
Kixor	Saflufenacil	0.03	{0.01}	---	---	---
Matrix	Rimsulfuron	0.01	---	5,485	---	---
Pendulum/Prowl	Pendimethalin	0.1	{0.01}	5,023	---	---
Poast	Sethoxydim	0.2	0.2	1,117	---	---
Princep/Sim-Trol	Simazine	0.25	---	3	---	---
Reckon/Rely	Glufosinate-ammonium	0.3	{0.1}	21,308	---	---
Roundup	Glyphosate	0.2	0.2	26,633	---	---
Solicam	Norflurazon	0.1	---	40	---	---
Spur	Clopyralid	0.5	---	---	---	---
Surflan	Oryzalin	0.05	---	1,703	---	---
Treflan	Trifluralin	0.05	{0.01}	---	---	---
Venue	Pyraflufen-ethyl	0.01	---	3,738	---	---

Note: This chart includes pesticide use information from 2019; 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
- 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	Common Name	US MRL (ppm)	Taiwan MRL (ppm)	2019 CA Acreage	2007-2020 Residue Testing Results (Low)	2007-2020 Residue Testing Results (High)
Apogee	Prohexadione calcium	0.4	0.4	4,649	---	---
Misc.	1-Naphthaleneacetamide	0.1	---	---	---	---
Misc.	1-Naphthaleneacetic acid	0.1	--- <i>Exempt</i>	---	---	---
Piperonyl Butoxide	Piperonyl Butoxide	8	---	7	0.017	0.064

Note: This chart includes pesticide use information from 2019; this is the most recent data that is currently available.