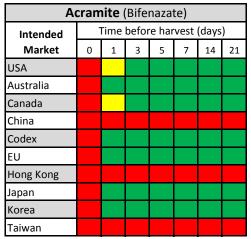
Pre-Harvest Intervals to Comply with the Maximum Residue Limits (MRLs) of Selected Export Markets for Fifteen Insecticides Registered for Use in Raspberries for the 2021 Growing Season - October 27, 2020



Actara (Thiamethoxam)											
Intended	•	Гіте	befor	e har	vest	(days)				
Market	0 1 3 5 7 14 21										
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

Adn	Admire Pro (Imidacloprid)										
Intended	-	Time	befor	e har	vest	(days)				
Market	0	1	3	5	7	14	21				
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

E	Brigade (Bifenthrin)											
Intended	•	Time before harvest (days)										
Market	0	1	3	5	7	14	21					
USA												
Australia												
Canada												
China												
Codex												
EU												
Hong Kong												
Japan												
Korea												
Taiwan												

Da	Danitol (Fenpropathrin)										
Intended	•	Time	befor	e har	vest	(days)				
Market	0 1 3 5 7 14 21										
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

De	Delegate (Spinetoram)										
Intended	Time before harvest (days)										
Market	0	1	3	5	7	14	21				
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

Ex	irel (Cyar	itran	ilipro	ole)					
Intended		Time before harvest (days)								
Market	0 1 3 5 7 14 21									
USA										
Australia										
Canada										
China										
Codex										
EU										
Hong Kong										
Japan										
Korea										
Taiwan										

Intre	Intrepid (Methoxyfenozide)										
Intended		Time before harvest (days)									
Market	0 1 3 5 7 14 21										
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

Kai	Kanemite (Acequinocyl)											
Intended	•	Γime	befor	e har	vest	(days)					
Market	0 1 3 5 7 14 21											
USA												
Australia												
Canada												
China												
Codex												
EU												
Hong Kong												
Japan												
Korea												
Taiwan												

Key to colors used in charts:

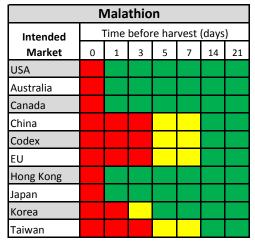
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YELLOW means that the product should be used with caution during this time given all the variables (e.g. tank mixes, application method and calibration, use of adjuvants, environmental conditions, and post-harvest handling) that can impact the time it takes for a residue to degrade in order to meet the MRL for a given market.

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Pre-Harvest Intervals to Comply with the Maximum Residue Limits (MRLs) of Selected Export Markets for Fifteen Insecticides Registered for Use in Raspberries for the 2021 Growing Season - October 27, 2020



Mustang	Mustang Maxx (zeta -Cypermethrin)										
Intended	-	Гіте	befor	e har	vest	(days)				
Market	0 1 3 5 7 14 21										
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

Onager (Hexythiazox)										
Intended		Time before harvest (days)								
Market	0 1 3 5 7 14									
USA										
Australia										
Canada										
China										
Codex										
EU										
Hong Kong										
Japan										
Korea										
Taiwan										

Sivant	o Pri	me ((Flup	yrad	ifuro	ne)					
Intended		Time	befor	e har	vest	(days)				
Market	0	0 1 3 5 7 14 21									
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

	Success (Spinosad)											
Intended		Time	befor	e har	vest	(days)					
Market	0	0 1 3 5 7 14 21										
USA												
Australia												
Canada												
China												
Codex												
EU												
Hong Kong												
Japan												
Korea												
Taiwan												

Ven	Vendex (Fenbutatin oxide)											
Intended	1	Time before harvest (days)										
Market	0											
USA												
Australia												
Canada												
China												
Codex												
EU												
Hong Kong												
Japan												
Korea												
Taiwan												

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Purpose & Methods: This tool was developed to aid raspberry growers in selecting materials to manage key pests close to harvest with a particular export market in mind. Selected markets have been included, some of which have more restricted maximum residue limits (MRLs) or tolerances than required by the US for particular materials. The MRLs used to develop this tool come from those published by www.bryantchristie.com as of October 27, 2020. Please check the database as MRLs are dynamic. The data used to determine whether a longer pre-harvest interval would be necessary for a given market and its published MRL are based on a single application made near the legal US max rate for each material tested in replicated trials conducted at one location each in Oregon and Washington over three years, unless otherwise noted. All samples were extracted by the QuEChERS method and analyzed by GC/MS/MS and LC/MS/MS.

Disclaimer: These charts are just a guide. The authors of this tool cannot guarantee that any of these MRLs have not changed since October 27, 2020; therefore, the user assumes all responsibility for its use subsequently. We also cannot guarantee that a material listed for use in Oregon or Washington is registered for use outside those states (pesticide registration status is determined by the US EPA and State Governments where 'special uses' are concerned). Users outside these states are cautioned to consult with their local extension service to determine what is allowable. We also make no guarantees that any of the products listed will be effective against a particular pest. Finally, given all of the variables that can affect degradation rates - in particular the use of adjuvants and tank mixes, environmental post-application conditions, and post-harvest handling - we cannot guarantee that if a product is used according to this tool it will not leave residues that exceed MRLs for the selected market.

Pre-Harvest Intervals to Comply with the Maximum Residue Limits (MRLs) of Selected Export Markets for Twelve Fungicides Registered for Use in Raspberries for the 2021 Growing Season - October 27, 2020

Ab	Abound (Azoxystrobin)										
Intended	•	Time	befor	e har	vest	(days)				
Market	0	1	3	5	7	14	21				
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

Captan										
Intended	Time before harvest (days)									
Market	0 1 3 5 7 14									
USA										
Australia										
Canada										
China										
Codex										
EU										
Hong Kong										
Japan										
Korea										
Taiwan										

El	Elevate (Fenhexamid)									
Intended	•	Time before harvest (days)								
Market	0	1	3	5	7	14	21			
USA										
Australia										
Canada										
China										
Codex										
EU										
Hong Kong										
Japan										
Korea										
Taiwan										

Fo	Fontelis (Penthiopyrad)											
Intended	tended Time before harvest (days)											
Market	0	1	3	5	7	14	21					
USA												
Australia												
Canada												
China												
Codex												
EU												
Hong Kong												
Japan												
Korea												
Taiwan												

	Kenja (Isofetamid)										
Intended	-	Time	befor	e har	vest	(days)				
Market	0	1	3	5	7	14	21				
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

Luna Tranq	Luna Tranquility (Fluopyram+Pyrimethanil)											
Intended			befor									
Market	0	1	3	5	7	14	21					
USA												
Australia												
Canada												
China												
Codex												
EU												
Hong Kong												
Japan												
Korea												
Taiwan												

Pristine (Boscalid+Pyraclostrobin)											
Intended		Time	befor	e har	vest	(days)				
Market	0	0 1 3 5 7 14 21									
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea				,							
Taiwan											

Pr	Prolivio (Pyriofenone)										
Intended	-	Time before harvest (days)									
Market	0	0 1 3 5 7 14 21									
USA											
Australia											
Canada											
China											
Codex											
EU											
Hong Kong											
Japan											
Korea											
Taiwan											

Rally (Myclobutanil)									
Intended	-	Time	befor	e har	vest	(days)		
Market	0	1	3	5	7	14	21		
USA									
Australia									
Canada									
China									
Codex									
EU									
Hong Kong									
Japan									
Korea									
Taiwan									

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	Rovral (Iprodione)											
Intended	•	Time	befor	e har	vest	(days)					
Market	0	1	3	5	7	14	21					
USA												
Australia												
Canada												
China												
Codex												
EU												
Hong Kong												
Japan												
Korea												
Taiwan						·						

Switcl	Switch (Cyprodinil+Fludioxonil)								
Intended		Time before harvest (days)							
Market	0	1	3	5	7	14	21		
USA									
Australia									
Canada									
China									
Codex									
EU									
Hong Kong									
Japan									
Korea									
Taiwan									

Tanos (Cymoxanil+Famoxadone)							
Intended	Time before harvest (days)						
Market	0	1	3	5	7	14	21
USA							
Australia							
Canada							
China							
Codex							
EU							
Hong Kong							
Japan							
Korea							
Taiwan							

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