

BRYANT CHRISTIE INC.

USDA-EPA MRL Database – www.MRLDatabase.com

US Grower Priority Database – www.MRLPriority.com

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Bryant Christie Inc. (BCI) helps companies and organizations open, access and expand international markets. Founded in 1992, we focus on the agricultural, food, and beverage sectors.

BCI MRL Products & Services

- Free MRL News www.bryantchristie.com/blog/chemical
- MRL Notification Service
- MRL Monitor
- MRL Database Solutions

www.MRLDatabase.com

The screenshot shows the FASonline Pesticide MRL Database interface. At the top, there is a navigation bar with links for 'Pesticide MRL Database', 'Veterinary Drug MRL Database', 'Questions?', 'Market Information', and 'FAS Home'. Below this, the page title is 'Pesticide MRL Database'. A section titled 'Pesticide Directions:' provides two steps: 1. Select a Blue Commodity Type Tab - Plant Product Commodities, Animal Product Commodities, or All Commodities. 2. Select Commodities, Pesticides, and Markets to Include in Database Search. Below the directions are three tabs: 'Plants Product Commodities', 'Animals Product Commodities', and 'All Commodities'. The main content area is a search form with a green header that says 'Please specify the commodities, pesticides, and markets per page below.' It features three sub-sections: 'Commodities', 'Pesticides', and 'Markets'. The 'Commodities' section has a search box and a list of items with checkboxes, including Acerola, Allspice, Amaranth, leafy, Ambarella, Angelica, dry, Angelica, stem and leaves, Anise, seed, Anise, star, Annatto, seed, Apple, Apricot, Apricot, Japanese, Aronia berry, Arracacha, root, Arrowroot, tuber, Fennel, seed, Fenugreek, seed, Fig, Flaxseed/Linseed, Fritillaria, bulb, Fritillaria, leaves, Garden huckleberry, Garlic, bulb, Garlic, great headed, bulb, Garlic, serpent, bulb, Gherkin, West Indian, Ginger, root, Ginger, white, flowers, Ginseng, root, Goji berry, Passion fruit, Pawpaw, Pea, blackeyed, succulent, Pea, dry (blackeyed), Pea, dry (crowder), Pea, dry (dwarf), Pea, dry (English), Pea, dry (field), Pea, dry (garden), Pea, dry (green), Pea, dry (pigeon), Pea, dry (snow), Pea, dry (southern), Pea, dry (sugar snap), Pea, dwarf, succulent, and Pea, dry (southern). There are 'Select All' and 'Deselect All' buttons for the commodities list.

www.MRLPriority.com

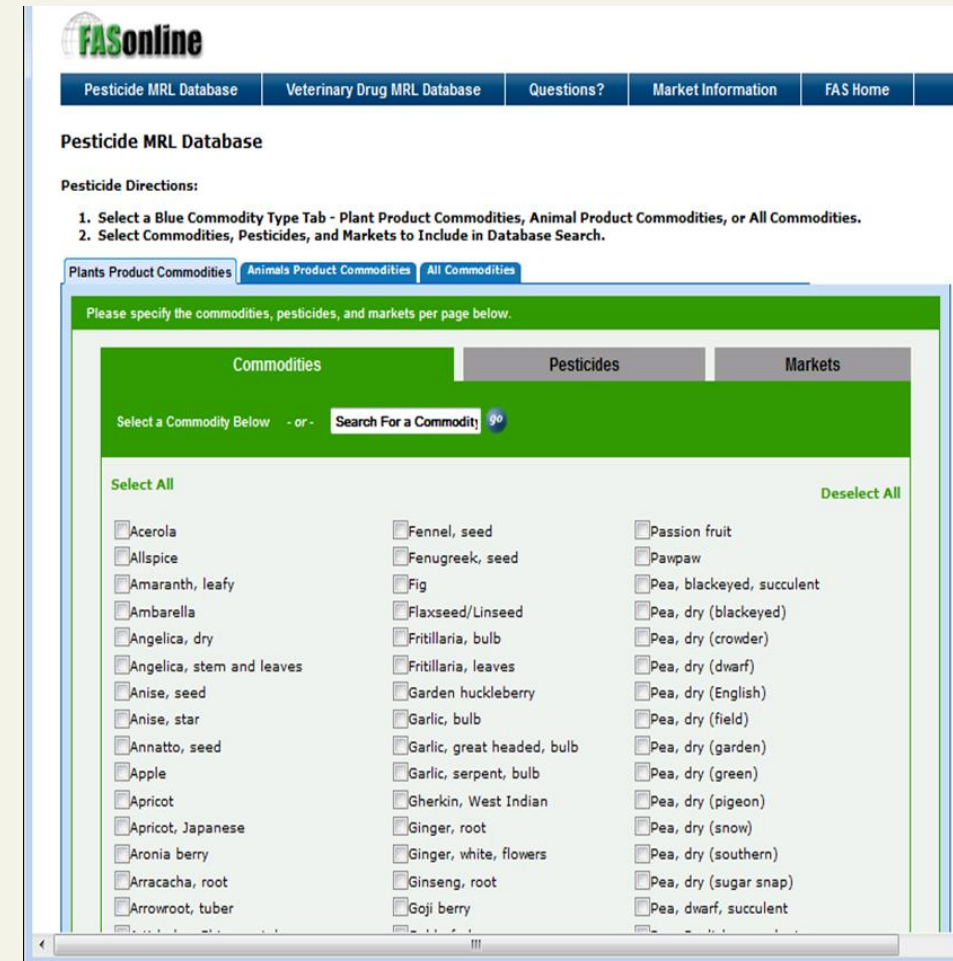
The screenshot shows the U.S. Grower MRL Priority Database interface. At the top, there is a blue navigation bar with the text 'U.S. Grower MRL Priority Database' and links for 'Login' and 'Request an Account'. Below this, there is a secondary navigation bar with 'View Priorities', 'Questions?', and 'User Guide (PDF)'. The main content area is titled 'View Priorities'. It features a 'Markets' section with checkboxes for 'China', 'Codex', 'Japan', 'Korea', and 'Taiwan', along with links for 'Select All Markets' and 'Unselect All Markets'. Below the markets is a 'Commodities' section with a scrollable list of items including Apple, Apricot, Blueberry, highbush, Blueberry, lowbush, Cherry, and Cranberry, with links for 'Select All Commodities' and 'Unselect All Commodities'. At the bottom is an 'Active Ingredients' section with a scrollable list of items including 1-Naphthaleneacetamide, 1-Naphthaleneacetic acid, 2,4-D, Abamectin, Acephate, and Acequinocyl, with links for 'Select All Active Ingredients' and 'Unselect All Active Ingredients'.

Both MRL Databases Updated Daily

- An extensive monitoring process is used in order to obtain MRL changes and enter the data on or as close to the date of effect as possible.
- The Database is updated daily by consulting the following sources:
 - US Federal Register
 - USDA Foreign Agricultural Service GAIN Reports
 - Official Journal of the European Union
 - World Trade Organization (WTO) notifications issued by the Sanitary and Phytosanitary (SPS) and Technical Barriers to Trade (TBT) committees
 - National government regulatory agencies and websites
- Codex MRLs updated immediately in MRLDatabase.com upon Codex annual approval in July
 - Codex online MRL database is updated annually in March; MRLs out of date July – March in Codex database

What Data is Included in MRLDatabase.com?

- MRL Types
 - General MRLs currently in effect for US EPA registered active ingredients & corresponding foreign MRLs.
 - US Section 18, Time-Limited, Regional MRLs
- Market Information Pages
- Veterinary Drug MRL Database
- Questions email link



What's Not In MRLDatabase.com?

- MRL Types Not Included
 - US Import Tolerances or No US Registration
 - Foreign MRLs with No Corresponding US MRL
 - MRLs for Indirect and Inadvertent
- Exempt Active Ingredients

Deferral Paths and MRL Market of Origin Indicator

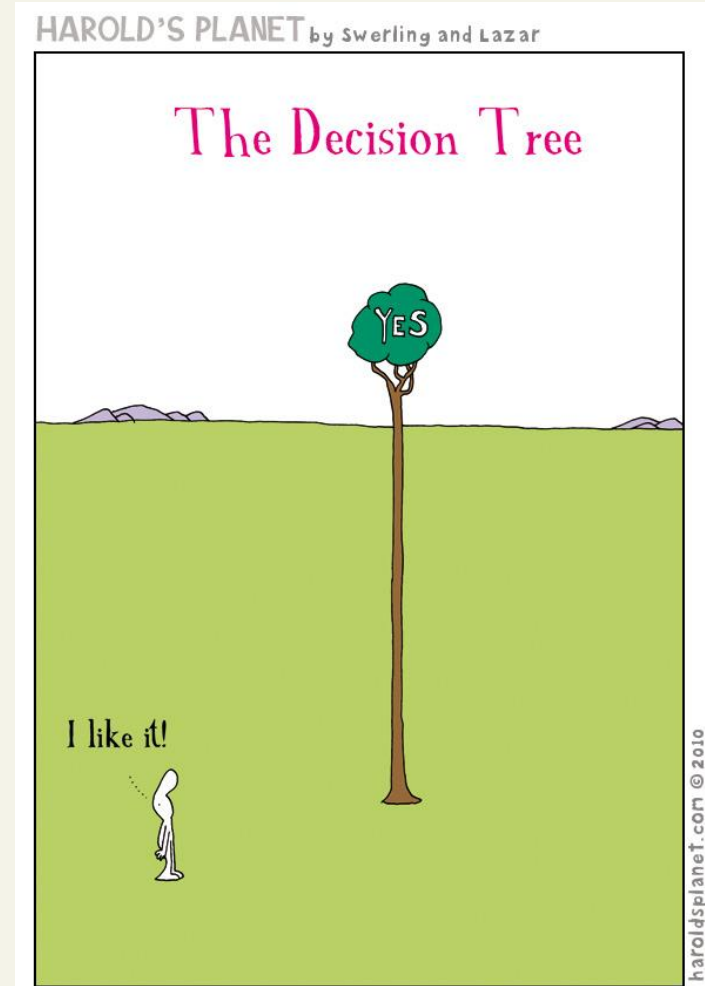
- Full Deferrals
 - European Union
 - Codex
- Partial Codex Deferrals
 - Chile, India, Israel
- Complex Deferrals or Multi-step Decision Trees
 - Honduras, Korea, Malaysia, New Zealand, South Africa
- Default MRLs

Apple - Abamectin				
US	Cod	EU	Hon	SAf
0.02	0.02	{0.01}	0.02	0.02
			Cod	Cod

Apple - Acephate				
US	Cod	EU	Hon	SAf
0.02	---	{0.01}	0.02	{0.01}
			US	EU

Korea's Complex Decision Tree

1. Korean national MRL
2. Codex MRL if established for specific commodity.
Korea does not accept Codex crop group MRLs.
3. Lowest MRL for commodities in the same Korean crop subgroup as the commodity in question.
4. Lowest MRL for commodities in the same Korean crop group as the commodity in question.
5. "Other Agricultural Product" MRL
6. Lowest MRL established for the pesticide



Cherry, sweet - Fenpropathrin

Show Legend

US !	Kor !
5	5

Korea maintains a Fenpropathrin MRL of 5 set on "Cherry".

Cherry, sweet - Fluazifop-P-butyl

Show Legend

US !	Kor !
0.05	0.7

This MRL is derived from the Korean MRL established for "Korean cabbage".

Cherry, sweet - Tebuconazole

Show Legend

US !	Kor !
5	{4}
	Cod

Codex maintains a Tebuconazole MRL of 4 set on "Cherries".

Pop-up Notes

- Published Commodity Note—Defined Term

Cherry, sweet - Azinphos-methyl Show Legend

Cod 1
2

Codex maintains a Azinphos-methyl MRL of 2 set on "Cherries".

Cherry, sweet - Azinphos-methyl Show Legend

Tai 1
2

Taiwan maintains a Azinphos-methyl MRL of 2 set on "Pome".

Pop-up Notes

- Published Commodity Note—Undefined Term

The screenshot displays a web interface for a commodity note. At the top, a green header bar contains the text "Cherry, sweet - 2,4-D". Below this is a grey bar with a "Show Legend" link. The main content area is white and contains a table with one row. The table has a column header "Ind" and a value "2". A white pop-up note with a green border is positioned over the table, containing the text: "India maintains a 2,4-D MRL of 2 set on 'Fruits' that may be relevant to Cherry, sweet. This should be confirmed with official sources as India does not clearly define 'Fruits'." The bottom of the interface has a light blue footer bar.

Ind
2

India maintains a 2,4-D MRL of 2 set on "Fruits" that may be relevant to Cherry, sweet. This should be confirmed with official sources as India does not clearly define "Fruits".

Russia & Customs Union MRL Regulations

- Custom Union includes Russia, Kazakhstan, Belarus
- Russia also has national MRL regulation
- Select both Russia and Customs Union if you are searching for Russian MRLs
- Defer to Customs Union MRL for Russia if Russia has a different MRL value

Apple - Diuron

CU !	RUS
{0.02}	---

Apple - Fluazinam

CU	RUS !
---	{0.05}

Apple - Gamma Cyhalothrin

CU !	RUS !
{0.1}	{0.03}

US Grower MRL Priority Database www.mrlpriority.com

- Funded with USDA TASC grant
- Governed by Steering Committee
 - MCFA & grower associations
 - Registrants
 - USDA & EPA
- Encourage grower trade associations submit MRL priorities
- China, Codex, Japan, Korea, Taiwan
- Existing US priorities for Canada will be posted soon

The screenshot shows the 'U.S. Grower MRL Priority Database' interface. At the top right, there are links for 'Login' and 'Request an Account'. Below the header, there are navigation links for 'View Priorities', 'Questions?', and 'User Guide (PDF)'. The main content area is titled 'View Priorities' and contains three sections: 'Markets', 'Commodities', and 'Active Ingredients'. Each section has a list of items with checkboxes and links to 'Select All' and 'Unselect All'. The 'Report Type' section at the bottom has three radio buttons: 'Commodity Report' (selected), 'Active Ingredient Report', and 'Market Report'. A red 'Run Report' button is located at the bottom right.

U.S. Grower MRL Priority Database [Login](#) [Request an Account](#)

[View Priorities](#) [Questions?](#) [User Guide \(PDF\)](#)

View Priorities

Markets

China Codex Japan Korea Taiwan

[Select All Markets](#) | [Unselect All Markets](#)

Commodities

Apple
 Apricot
 Blueberry, highbush
 Blueberry, lowbush
 Cherry
 Cranberry

[Select All Commodities](#) | [Unselect All Commodities](#)

Active Ingredients

1-Naphthaleneacetamide
 1-Naphthaleneacetic acid
 2,4-D
 Abamectin
 Acephate
 Acequinocyl

[Select All Active Ingredients](#) | [Unselect All Active Ingredients](#)

Report Type

Commodity Report Active Ingredient Report Market Report

[Run Report](#)

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- Taiwan priorities due now
- Korea priorities due December
- Priorities can be added at anytime
- Adding Hong Kong in 2014
- Looking at European Union, Australia, or United Arab Emirates for 2015

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Grower [Account Settings](#) | [Logout](#)

[View Priorities](#) [Resolved Priorities](#) [My Commodities](#) [Manage Priorities](#) [Questions?](#) [User Guide \(PDF\)](#)

View Priorities

Use the form below to query existing priorities. Some priorities may have been resolved. View a report of all [resolved priorities](#).

Markets

China Codex Japan Korea Taiwan

[Select All Markets](#) | [Unselect All Markets](#)

Commodities

Apple
 Apricot
 Blueberry, highbush
 Blueberry, lowbush
 Cherry
 Cranberry

[Select All Commodities](#) | [Unselect All Commodities](#)

Active Ingredients

1-Naphthaleneacetamide
 1-Naphthaleneacetic acid
 2,4-D
 Abamectin
 Acephate
 Acequinocyl

[Select All Active Ingredients](#) | [Unselect All Active Ingredients](#)

Report Type

Commodity Report Active Ingredient Report Market Report

Select a Priority

All Priorities

-or-

VERY HIGH: Compound is critical, trade has been affected, or there is evidence of potential regulatory impact.

HIGH: Compound is critical to crop protection with limited or no alternatives.

INTERMEDIATE: Compound is routinely used but has adequate alternatives with near equivalent efficacy.

LOW: Compound not widely used or has readily substituted alternatives.

[Run Report](#)

Features for Setting Priorities

- View US MRLs with corresponding foreign MRLs for priority country
 - Pending, revoked, and proposed MRLs included
- Growers set priority for obtaining or revising an MRL in a market
 - Very high; High; Intermediate; Low
 - Comments; Registrant; Product Name
- Multiple grower associations able to set priorities on same AI/commodity

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View Priorities Resolved Priorities My Commodities **Manage Priorities** [Questions?](#)

Grower Priority Query Results [Legend](#) | [Revise Query](#)

Your Priority	Commodity	Active Ingredient	US MRLs	Taiwan MRLs	Established Priority	Comments
Set Priority	Cherry	Fludioxonil	5 i	5 i		
Set Priority	Cherry	Flumioxazin	0.02 i	---	HIGH	Grower Details
Set Priority	Cherry	Fluopyram	0.6 i	---	HIGH	Grower Details
Set Priority	Cherry	Flutriafol	1.5 i	{1} i Proposed MRLs		
Set Priority	Cherry	Fluxapyroxad	2 i	---		
Set Priority	Cherry	Forchlorfenuron	0.01 i Expires 12/31/2015 Proposed MRLs	---		

www.mrlpriority.com/priorities.cfm#7241915084416103

Features for Registrant Comments

- Registrants create a profile of active ingredients
 - Will be notified by email when new or changed priorities set by growers
- Registrants will login to submit comments and run reports
- Multiple registrants may submit comments for same grower priority

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Registrant [Account Settings](#) | [Logout](#)

[View Priorities](#) [Resolved Priorities](#) [My Active Ingredients](#) **[Manage Comments](#)** [Questions?](#)

[Legend](#) | [Revise Query](#)

Registrant Priority Query Results

Your Comments	Active Ingredient	Commodity	US MRLs	Taiwan MRLs	Established Priority	Comments
Fluopicolide						
Add Comment	Fluopicolide	Potato	0.02 i	---	INTERMEDIATE	Grower Details
Fluopyram						
Add Comment	Fluopyram	Cherry	0.6 i	---	HIGH	Grower Details
Add Comment	Fluopyram	Potato	0.02 i	---	HIGH	Grower Details
Fluoxastrobin						
Add Comment	Fluoxastrobin	Cranberry	1.9 i	---	LOW	Grower Details
Add Comment	Fluoxastrobin	Potato	0.01 i	---	INTERMEDIATE	Grower Details

Korea New National MRL Regulation Will Be Established in 2016

- New regulation will eliminate Codex deferral and complicated Korean decision tree MRLs and add a 0.01 ppm default tolerance
- MRLs not registered for use in Korea will be eliminated
 - [“List of Pesticide and Veterinary Drug MRLs to be Deleted”](#)
- Applications for import MRLs need to be submitted 2014-2015

Questions?

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