

GlobalMRL.com Update

KIMBERLY BERRY

DIRECTOR, REGULATORY DATA SERVICES

BRYANT CHRISTIE INC.

CALIFORNIA SPECIALTY CROP MRL WORKSHOP

MAY 31, 2017

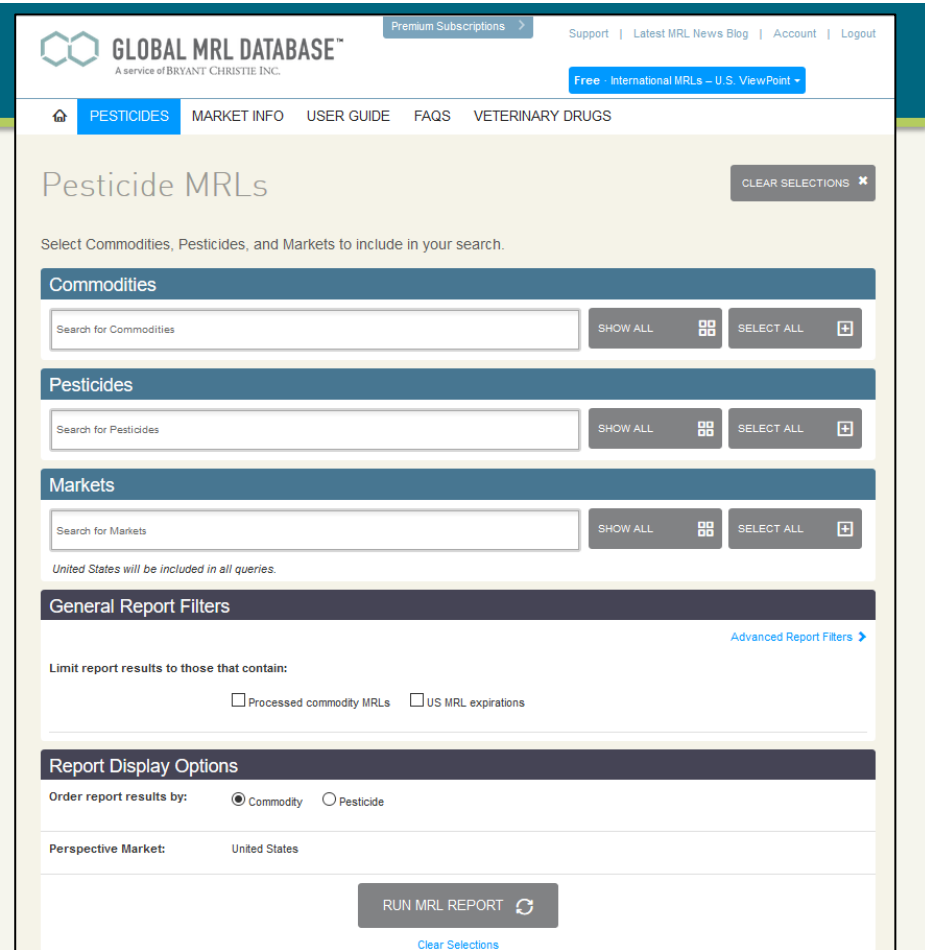


Agenda

- Global MRL Database Free Access and MRL Data Available
- Database Upgrades
- How to Register for Free Access
- Premium Subscriptions
- Tip – Regulation Details and Alert Icons Feature

Global MRL Database – Free Access www.GlobalMRL.com

- Two types of free access (funded by USDA & EPA)
 - US-based users: US and corresponding international MRLs
 - International-based users: US MRLs



The screenshot displays the 'GLOBAL MRL DATABASE™' website, a service of Bryant Christie Inc. The interface is designed for searching and filtering Maximum Residue Limits (MRLs). At the top, navigation links include 'Premium Subscriptions', 'Support', 'Latest MRL News Blog', 'Account', and 'Logout'. A prominent blue button offers 'Free: International MRLs -- U.S. ViewPoint'. The main navigation bar features tabs for 'PESTICIDES', 'MARKET INFO', 'USER GUIDE', 'FAQS', and 'VETERINARY DRUGS'. The 'Pesticide MRLs' section is active, showing a search interface with three main categories: 'Commodities', 'Pesticides', and 'Markets'. Each category has a search input field, a 'SHOW ALL' button, a grid icon, and a 'SELECT ALL' button with a plus sign. Below these, a 'General Report Filters' section includes a note that 'United States will be included in all queries.' and checkboxes for 'Processed commodity MRLs' and 'US MRL expirations'. The 'Report Display Options' section allows users to 'Order report results by' 'Commodity' (selected) or 'Pesticide', and sets the 'Perspective Market' to 'United States'. A 'RUN MRL REPORT' button with a refresh icon is at the bottom, accompanied by a 'Clear Selections' link.

GLOBAL MRL DATABASE™
A service of BRYANT CHRISTIE INC.

Premium Subscriptions > Support | Latest MRL News Blog | Account | Logout

Free: International MRLs -- U.S. ViewPoint >

PESTICIDES MARKET INFO USER GUIDE FAQS VETERINARY DRUGS

Pesticide MRLs

CLEAR SELECTIONS ✕

Select Commodities, Pesticides, and Markets to include in your search.

Commodities

Search for Commodities SHOW ALL SELECT ALL

Pesticides

Search for Pesticides SHOW ALL SELECT ALL

Markets

Search for Markets SHOW ALL SELECT ALL

United States will be included in all queries.

General Report Filters

Advanced Report Filters >

Limit report results to those that contain:

☐ Processed commodity MRLs ☐ US MRL expirations

Report Display Options

Order report results by: ☒ Commodity ☐ Pesticide

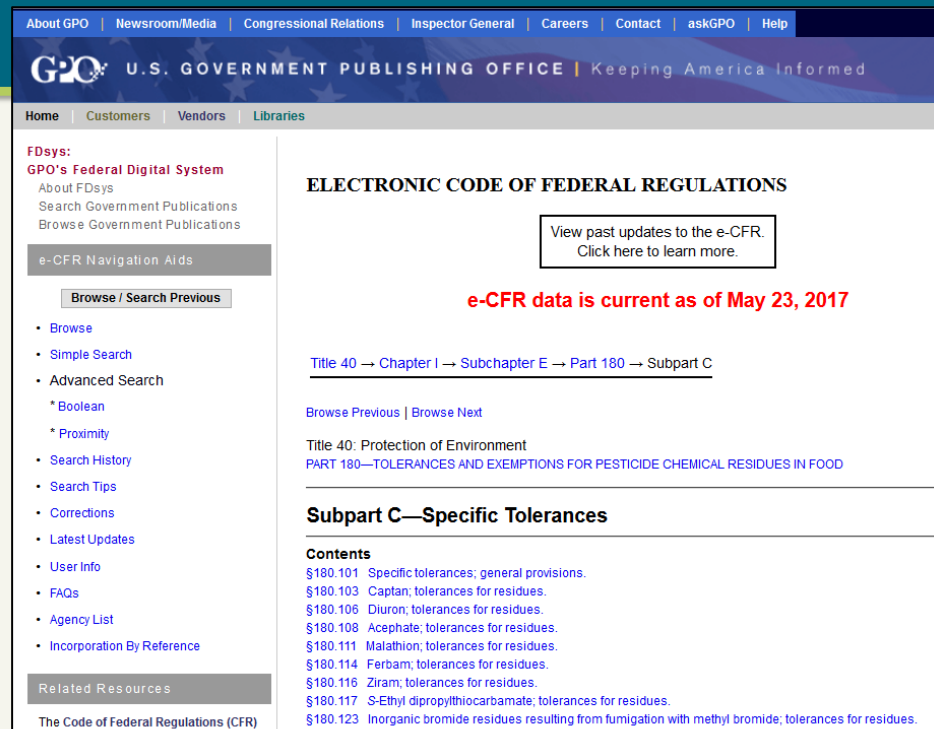
Perspective Market: United States

RUN MRL REPORT ↻

[Clear Selections](#)

Global MRL Database – Free Access www.GlobalMRL.com

- Free access menu of pesticides and commodities based on those for which the US sets tolerances ([40 CFR 180 Subpart C-Specific Tolerances](#))
- Includes import tolerances, processed commodity MRLs, veterinary drug MRLs



The screenshot shows the GPO website with the following structure:


- Header:** About GPO | Newsroom/Media | Congressional Relations | Inspector General | Careers | Contact | askGPO | Help
- Navigation Bar:** Home | Customers | Vendors | Libraries
- Left Sidebar:**
 - FDsys:**
 - GPO's Federal Digital System
 - About FDsys
 - Search Government Publications
 - Browse Government Publications
 - e-CFR Navigation Aids:**
 - Browse / Search Previous
 - Browse
 - Simple Search
 - Advanced Search
 - * Boolean
 - * Proximity
 - Search History
 - Search Tips
 - Corrections
 - Latest Updates
 - User Info
 - FAQs
 - Agency List
 - Incorporation By Reference
 - Related Resources:**
 - The Code of Federal Regulations (CFR)
- Main Content Area:**
 - ELECTRONIC CODE OF FEDERAL REGULATIONS**
 - View past updates to the e-CFR. Click here to learn more.
 - e-CFR data is current as of May 23, 2017**
 - Title 40 → Chapter I → Subchapter E → Part 180 → Subpart C
 - Browse Previous | Browse Next
 - Title 40: Protection of Environment
 - PART 180—TOLERANCES AND EXEMPTIONS FOR PESTICIDE CHEMICAL RESIDUES IN FOOD
 - Subpart C—Specific Tolerances**
 - Contents**
 - §180.101 Specific tolerances; general provisions.
 - §180.103 Captan; tolerances for residues.
 - §180.106 Diuron; tolerances for residues.
 - §180.108 Acephate; tolerances for residues.
 - §180.111 Malathion; tolerances for residues.
 - §180.114 Ferbam; tolerances for residues.
 - §180.116 Ziram; tolerances for residues.
 - §180.117 S-Ethyl dipropylthiocarbamate; tolerances for residues.
 - §180.123 Inorganic bromide residues resulting from fumigation with methyl bromide; tolerances for residues.

Global MRL Database - Upgrades

- Commodities added
 - Aquaculture commodities
 - Baby leaf (Endive, Lettuce, Mustard greens, Spinach, Swiss chard)
 - Stevia
- Countries added
 - Afghanistan, Gambia, Sudan

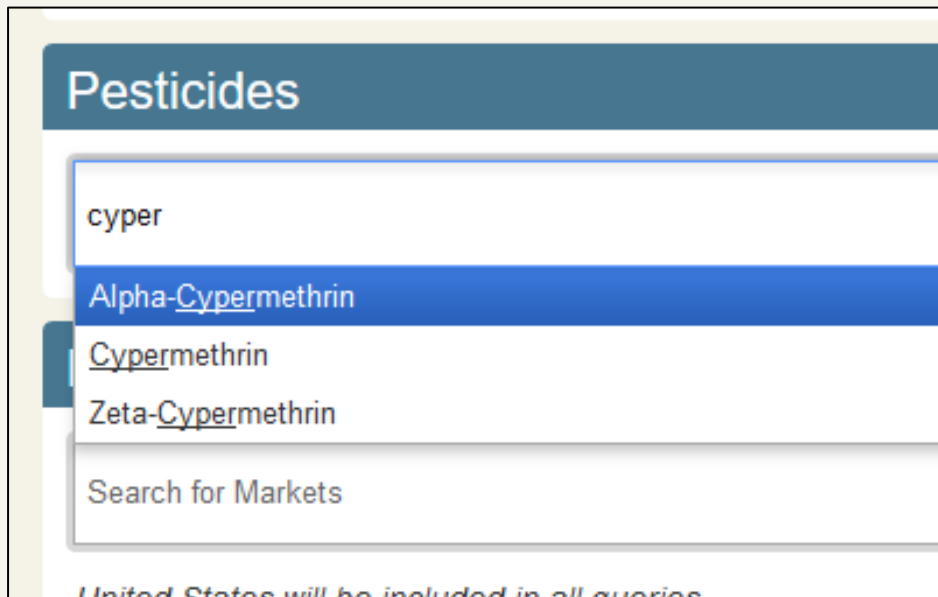
Global MRL Database - Upgrades

- Features added
 - Import tolerance labels

Banana / Saflufenacil	
United States	Korea
0.03 Import Tolerance	0.03 Import Tolerance
MORE INFO 	MORE INFO

Global MRL Database - Upgrades

- Features added
 - “Smart Search”



The screenshot shows a web interface for searching pesticides. At the top is a dark blue header with the word "Pesticides" in white. Below this is a search input field containing the text "cyper". A dropdown menu is open, displaying four suggestions: "Alpha-Cypermethrin", "Cypermethrin", "Zeta-Cypermethrin", and "Search for Markets". The "Alpha-Cypermethrin" option is highlighted with a blue background. Below the dropdown is a button labeled "Search for Markets". At the bottom of the interface, a line of text reads "United States will be included in all queries".

Global MRL Database - Upgrades

- Veterinary drug MRL module will launch in July 2017

VETERINARY DRUGS

CLEAR SELECTIONS ✕LOAD SAVED QUERY ↺

Select Commodities, Veterinary Drugs, and Markets to include in your search.

Select Commodities

Search for Commodities

OPTIONS ▼SELECT ALL +

Select Veterinary Drugs

Search for Veterinary Drugs

SHOW ALL 3x3SELECT ALL +

Select Markets

Search for Markets

SHOW ALL 3x3SELECT ALL +

Choose General Report Filters

Advanced Report Filters ➤

Limit report results to those that contain:

☐ Pending MRL expirations☐ Pending MRL revisions & expirations

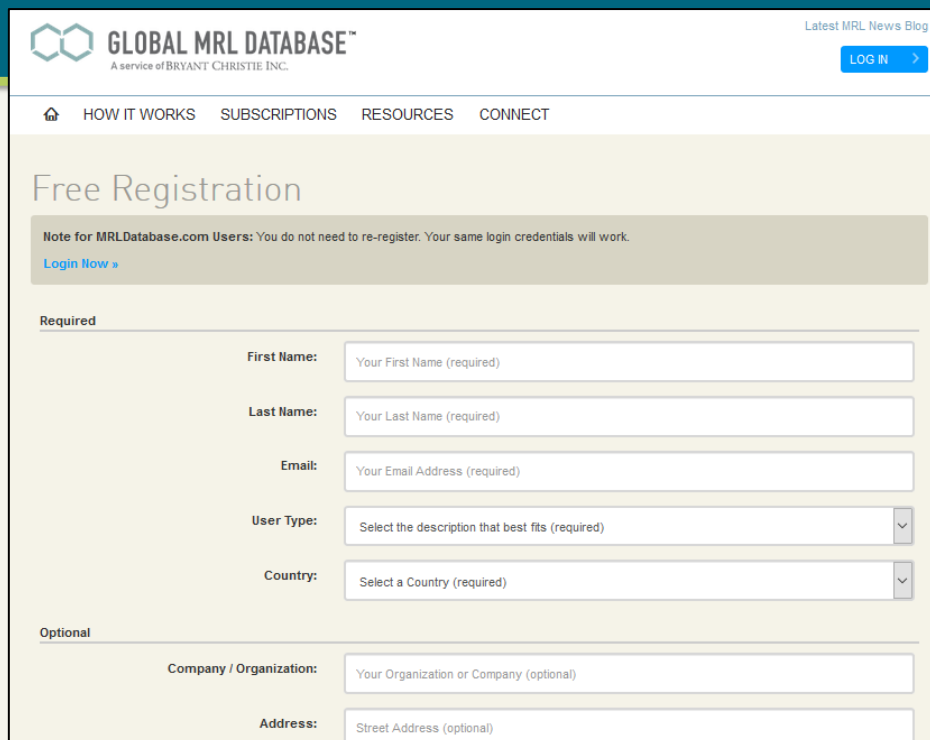
Global MRL Database - Upgrades

- Also planned
 - Animal feed commodities
 - Additional leafy vegetable commodities in new Crop Group 4-16
 - Additional stalk, stem & leaf petiole vegetable commodities in new Crop Group 22
 - Additional tropical and subtropical fruit commodities in new Crop Groups 23 & 24

How to Register for Your Free Access

(Funded by USDA & EPA)

- <https://globalmrl.com/db#register>



The screenshot shows the 'Free Registration' page of the Global MRL Database. The page has a teal header with the Bryant Christie Inc. logo and navigation links: HOW IT WORKS, SUBSCRIPTIONS, RESOURCES, and CONNECT. A 'LOG IN' button is in the top right. The main content area is titled 'Free Registration' and includes a note for existing users with a 'Login Now' link. The registration form is divided into 'Required' and 'Optional' sections. The 'Required' section includes fields for First Name, Last Name, Email, User Type (a dropdown menu), and Country (a dropdown menu). The 'Optional' section includes fields for Company / Organization and Address.

GLOBAL MRL DATABASE™
A service of BRYANT CHRISTIE INC.

Latest MRL News Blog
[LOG IN](#)

HOW IT WORKS SUBSCRIPTIONS RESOURCES CONNECT

Free Registration

Note for MRLDatabase.com Users: You do not need to re-register. Your same login credentials will work.
[Login Now »](#)

Required

First Name:

Last Name:

Email:

User Type:

Country:

Optional

Company / Organization:

Address:

How to Register for Your Free Access

(Funded by USDA & EPA)

- You will receive an email informing you that your account has been created
- You MUST click the link in the email, “[Verify Email Address](#)”, to activate your account

From: Global MRL Support Team [<mailto:support@globalmrl.com>]

Sent: Thursday, May 26, 2016 2:17 PM

To: John Doe

Subject: New Account

Dear John Doe,

You have requested an account for Global MRL Database. To finish account activation you must verify your email address by selecting the link below. Selecting the link will take you to Global MRL Database, where you will be able to create a password to activate your account and you can begin accessing the database.

[Verify Email Address](#)

If you did not request an account for Global MRL Database, you can safely ignore this email.

Best regards,
Global MRL Support Team

How to Register for Your Free Access

(Funded by USDA & EPA)

- After verifying your email address, you will be taken to the “Account Verified” screen.
- To finish creating your account, enter a password and agree to the Terms of Use and Privacy Policy
- Click on “Set Password and Login”

Support / Feedback

LOG IN

OVERVIEW

SUBSCRIPTIONS

RESOURCES

CONNECT

ACCOUNT VERIFIED

To start using the database, please set a password below. Your password should be between 8 and 16 characters long.

Password:

Password Again:

Terms of Use and Privacy Policy

TERMS OF USE

Global MRL Database

The Global MRL Database is an Internet-accessible electronic database containing global chemical regulatory standards and data, including maximum residue limits ("MRLs") for various chemicals in agricultural crops that are applicable in certain legal jurisdictions. The Global MRL Database is maintained and hosted by Bryant Christie Inc. ("BCI"), a Washington corporation with the support of the United States Department of Agriculture and the United States Environmental Protection Agency.

These Terms of Use ("TOU") govern use of the Global MRL Database by each party ("Licensee") who accesses it. Licensee confirms its

PRIVACY POLICY

Bryant Christie Inc.

Bryant Christie Inc. ("BCI") is a Washington corporation that provides its clients and members of the public ("Users") with access to certain services and data through the Internet (the "Services"). When Users access Services, they provide certain information to BCI, either directly or through the means by which they access Services. This Privacy Policy explains what kinds of data BCI collects from Users and how BCI uses and protects that data.

Information BCI Receives and Collects from Users.

BCI receives and collects information that it asks Users to provide to it

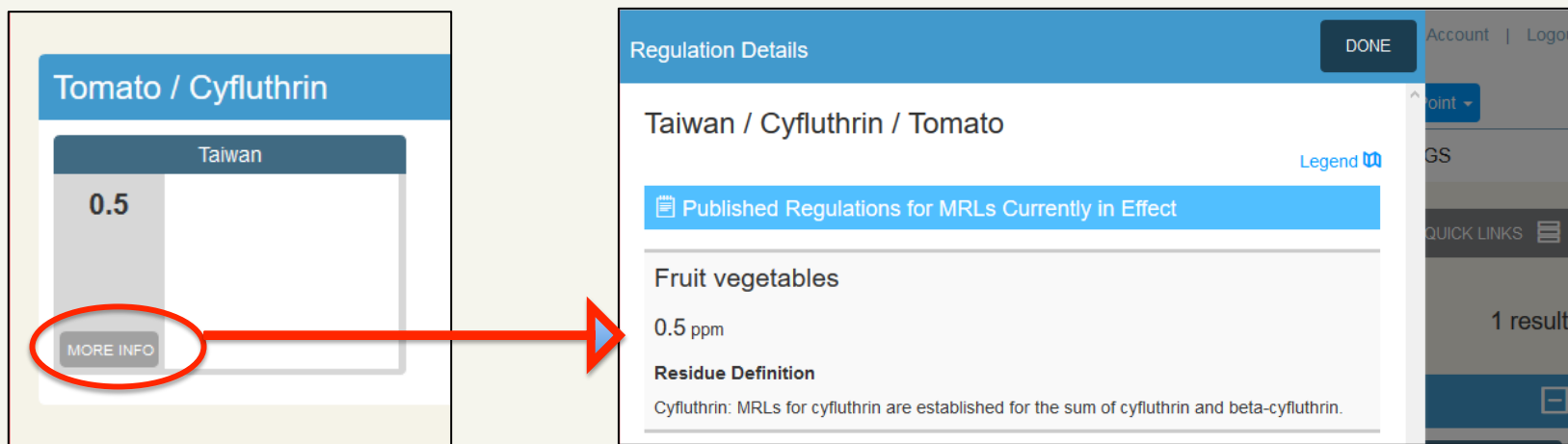
I agree to the Terms of Use and Privacy Policy:

☐ Yes

☒ No

SET PASSWORD AND LOGIN

Global MRL Database – User Tip: Regulation Details



The image shows a user interface for the Global MRL Database. On the left, a summary card for 'Tomato / Cyfluthrin' in 'Taiwan' displays a value of '0.5'. A red circle highlights a 'MORE INFO' button at the bottom of this card. A red arrow points from this button to a larger, detailed view on the right. This detailed view, titled 'Regulation Details', shows the specific regulation for 'Taiwan / Cyfluthrin / Tomato'. It includes a 'Legend' link, a section for 'Published Regulations for MRLs Currently in Effect', and a 'Residue Definition' section stating: 'Cyfluthrin: MRLs for cyfluthrin are established for the sum of cyfluthrin and beta-cyfluthrin.' The detailed view also shows 'Fruit vegetables' and '0.5 ppm'.

Tomato / Cyfluthrin

Taiwan

0.5

MORE INFO

Regulation Details

Taiwan / Cyfluthrin / Tomato

Legend

Published Regulations for MRLs Currently in Effect

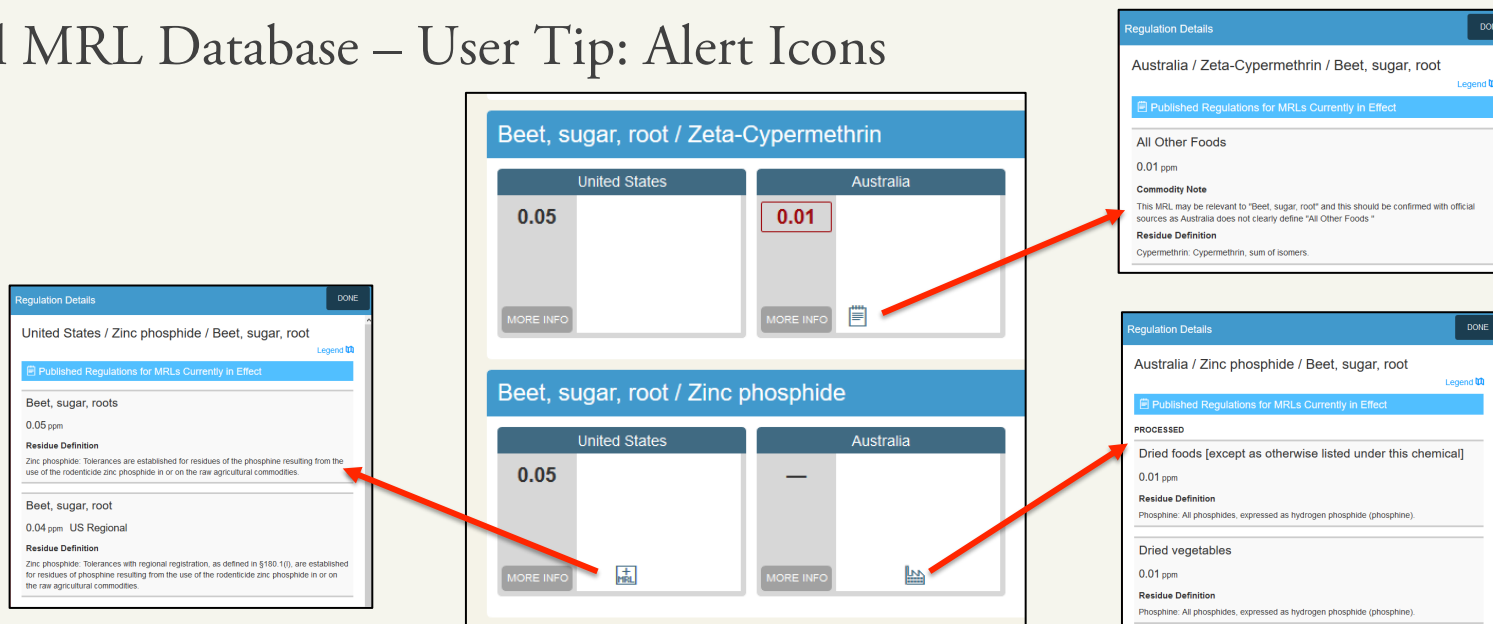
Fruit vegetables

0.5 ppm

Residue Definition

Cyfluthrin: MRLs for cyfluthrin are established for the sum of cyfluthrin and beta-cyfluthrin.

Global MRL Database – User Tip: Alert Icons



The screenshot displays the Global MRL Database interface with four panels illustrating alert icons. Red arrows point from the central panels to the detailed views on the left and right.

Central Panel: Beet, sugar, root / Zeta-Cypermethrin

- United States:** MRL 0.05. A "MORE INFO" button is present.
- Australia:** MRL 0.01. A "MORE INFO" button and a document icon (alert icon) are present.

Central Panel: Beet, sugar, root / Zinc phosphide

- United States:** MRL 0.05. A "MORE INFO" button and a plus icon (alert icon) are present.
- Australia:** MRL —. A "MORE INFO" button and a document icon (alert icon) are present.

Left Panel: Regulation Details - United States / Zinc phosphide / Beet, sugar, root

- Published Regulations for MRLs Currently in Effect:** Beet, sugar, roots, 0.05 ppm.
- Residue Definition:** Zinc phosphide: Tolerances are established for residues of the phosphine resulting from the use of the rodenticide zinc phosphide in or on the raw agricultural commodities.
- Beet, sugar, root:** 0.04 ppm US Regional.
- Residue Definition:** Zinc phosphide: Tolerances with regional registration, as defined in §190.1(i), are established for residues of phosphine resulting from the use of the rodenticide zinc phosphide in or on the raw agricultural commodities.

Right Panel: Regulation Details - Australia / Zeta-Cypermethrin / Beet, sugar, root

- Published Regulations for MRLs Currently in Effect:** All Other Foods, 0.01 ppm.
- Commodity Note:** This MRL may be relevant to "Beet, sugar, root" and this should be confirmed with official sources as Australia does not clearly define "All Other Foods."
- Residue Definition:** Cypermethrin: Cypermethrin, sum of isomers.

Right Panel: Regulation Details - Australia / Zinc phosphide / Beet, sugar, root

- Published Regulations for MRLs Currently in Effect:** PROCESSED, Dried foods [except as otherwise listed under this chemical], 0.01 ppm.
- Residue Definition:** Phosphine: All phosphides, expressed as hydrogen phosphide (phosphine).
- Dried vegetables:** 0.01 ppm.
- Residue Definition:** Phosphine: All phosphides, expressed as hydrogen phosphide (phosphine).

Additional Premium Subscription Types Available

- Provides a global perspective with MRL regulations available for over 970 active ingredients and 860 commodities in 129 countries.
- Request a free trial or quote by going to [Subscriptions](#)

Annual Subscriptions

	Standard	Professional	Enterprise
	Starts at \$995 annually	Starts at \$2,395 annually	Starts at \$4,995 annually
	Ideal for: • Growers • Small exporters • Pest control advisors	Ideal for: • Labs • Food Companies • Medium & Large exporters	Ideal for: • Government Agencies • Regulators • Chemical companies* & retailers
	SIGN UP »	SIGN UP »	SIGN UP »
ADVANCED EXCEL REPORT		Included	Included
MRL CHANGE REPORT		Included	Included
PENDING MRLS		Included	Included
PROPOSED MRLS			Included
ANNUAL SUPPORT HOURS	5	10	20
	+	+	-
Includes features from Professional package, plus:			
<ul style="list-style-type: none"> • Proposed MRLs & revocations • Source document names • Publication & comment due dates • Regulation names & effective dates • Scientific names for commodities 			

Thank You!

Kimberly Berry
Kimberly.Berry@bryantchristie.com
206-292-6340

Bryant Christie Inc.
Sacramento, CA and Seattle, WA
www.bryantchristie.com