



MRL  $\sqrt{\text{TM}}$   
Project Update

A Collaboration between Bryant Christie Inc. and Agrian, Inc.

*Presented to*

2017 MRL Harmonization Workshop

## Bryant Christie Inc. Background

- Bryant Christie Inc. (BCI) helps companies and organizations open, access, and develop international markets
- Founded in 1992, we focus on the agricultural, food, and beverage sectors
- BCI develops databases that assist in tracking and understanding a range of complex international regulations

# Bryant Christie Inc. MRL Database Solutions

- Since 1992 BCI has provided regulatory MRL data and database solutions.
- From 2000-2014, BCI maintained mrlatabase.com on behalf of the USDA and EPA.
- Key benefits are BCI's MRL data accuracy, detailed notes, and transparent global comparisons.



- Launched in February 2015 to replace mrlatabase.com
- Over **100** markets, **900** active ingredients, and **800** commodities
- General, default, pending, and proposed MRLs, as well as exemptions
- Regulation notes and names, effective dates, and residue definitions
- Growing global subscriber list including USDA and US EPA

# AGRIAN SOLUTION

Agrian delivers integrated web and mobile solutions for the agri-food enterprise that address needs related to compliance, agronomy, precision agriculture, sustainable practice reporting and data analytics.



COMPLIANCE



AGRONOMY



PRECISION



ANALYTICS



SUSTAINABILITY

# MRL DEMAND

- Agrian customer demands have increased for better global MRL awareness
- MRL data integration has been requested by ag retailers, independent crop advisors/agronomists and food companies
- The overriding desire is to have a single system that addresses all of their compliance needs
- Agrian approached BCI for its comprehensive MRL data



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## SOLUTION SUMMARY

The MRL Check would be used alongside Agrian's chemical label compliance tools in a number of ways.

### **REC Writing / Crop Planning (Grower / Agronomist / Crop Advisor)**

- “How will these planned treatments affect the ability to ship into desired markets?”

### **Post Application (Shipper/Packer, Food Company)**

- “How have historical treatments to this crop affected the ability to ship into desired markets?”

# OVERVIEW: MRL CHECK

- A tool that helps prevent MRL export problems before they occur
- Prior to recommendation (REC) writing, target markets are indicated for each grower site
- Prior to export the field status tool, shows crops that might have an export issue...
- MRL Check integrates with the Agrian's systems to cross-reference MRLs with each site's target markets from crop planning to shipment.



**Product Recommendation Form (REC)** [Start Over](#) [Finish Later](#)

Location Information [Application Details](#) [Final Details](#) [Extras](#) [Review](#)

**Application**

\* **Application Method** Ground

\* **Spray Volume** 50 Gallons / Acre

**Tank Size** 500 Gallons

\* **Applicator** ACME Spray Co.

**Nutrient Only Application** ☐

**Add Product**

\* **Product** Reason 500 SC Fungicide (264-695) [Can't find a product? Add a user-defined product.](#) [Edit](#)

\* **Label Commodity** Muskmelon

\* **Pest** Downy Mildew [More Pests](#)

\* **Rate** 5.5 floz / Acre

**Total Used** 121 floz

**Product MRL Information** [Chemical](#) [Market](#) [Status](#) provided by BRYANT CHRISTIE INC.

Status	Market	MRL (ppm)	Published Commodity	Notes
	US	0.15	Vegetable, cucurbit, group 9	<a href="#">Notes</a>
✓	AUSTRIA	0.2 EU	Melons	<a href="#">Notes</a>
!	BRAZIL	0.02	Muskmelon	
✓	NEW ZEALAND	0.1 DEFAULT		
<b>FLAG OVERRIDE</b> Flag color changed from yellow to green by manufacturer. <b>REGISTRANT NOTE</b> Residue studies and crop uptake studies have shown that the likely detectable residues in harvested muskmelon will be below 0.1 ppm.				
✗	SINGAPORE	---		

[Add market](#)



# DETAILED LOOK

## General

- ✓ Higher or equal MRL than least restrictive US MRL
- ✗ Lower MRL than least restrictive US MRL
- ✗ No MRL in export market

## Manufacturer


- i Provide product-specific MRL guidance
- 🚩 Adjust MRL status flag for products
- 💬 Publish product notes to end users

MRL  
GUIDANCE

TARGET  
MARKET

TARGET  
MARKET MRL

PUBLISHED  
COMMODITY

**Product MRL** 

Commodity: *Tomato* ▼

- ▶ **Leverage 360 Insecticide**  
1 status change, 2 comments
- ▶ **Luna Sensation**  
1 comment

**MRL Check** provided by Bryant Christie Inc.

Commodity: *Tomato* ▼

- ▶ **Australia**  
Leverage 360 Insecticide
- ▼ **Canada**  
Leverage 360 Insecticide
- ▶ **Leverage 360**  
No MRL for Beta-cyfluthrin
- ▶ **Beta-cyfluthrin**  
No MRL  
US 0.2 ppm (Tomato)
- ▶ **Imidacloprid**  
1 ppm (Tomatoes)  
US 1 ppm (Tomato)
- ▶ **Luna Sensation**  
All checks passed
- ▶ **Hong Kong**  
Leverage 360 Insecticide
- ▶ **Japan**  
Passed in all 4 markets



# MRL CHECK SOLUTION

- ✓ Violation Prevention
- ✓ Transparency
- ✓ Key Indicators
- ✓ Interpretation/Guidance
- ✓ Minimize Trade Disruption



## PROJECT STATUS

1. Mid-2015, Bayer became an initial partner
2. Taskforce formed to design the system
3. Initial development is currently underway
4. “Proof of Concept” anticipated in Q3 2017
5. Operational pilot in spring of 2018





THANK YOU

@BryantChristie