

Crop Protection Update

OFVGA Update for Cucumber Day

April 13 2023





Fungicides

- ▶ **Chlorothalonil (Bravo, Echo)**
- ▶ RVD2018-11 PMRA re-evaluation completed May 2018
- ▶ PSRD2022-01 PMRA special review published February 10 2022
- ▶ Proposed cancellation of all food uses
- ▶ Review triggered by previous EU decision to cancel chlorothalonil
 - ▶ Aspects of concern regarding chlorothalonil in water for drinking and exposure to aquatic organisms - computer modelling data
- ▶ Grower submissions from OFVGA/FVGC & industry from Syngenta
- ▶ No updates from PMRA yet - labels remain the same for 2023

Fungicides

- ▶ **Mancozeb (Manzate, Dithane etc.)**
- ▶ RVD2020-12 PMRA final decision November 19, 2020
- ▶ Minimal changes for field cucumber
 - ▶ Rates remain unchanged
 - ▶ Max 3 applications per year (previously not limited)
 - ▶ PHI: 14 days (unchanged)
 - ▶ REI: 12 hours (previous 24 hours)

Insecticides

- ▶ **Special Review Related to Squash Bee (*Eucera pruinosa*) for Neonicotinoids**
- ▶ SRD2022-02 PMRA final decision Feb 24 2022
- ▶ Determined that previous mitigation measures applied to clothianidin, imidacloprid, and thiamethoxam were protective of squash bee; no further restrictions required

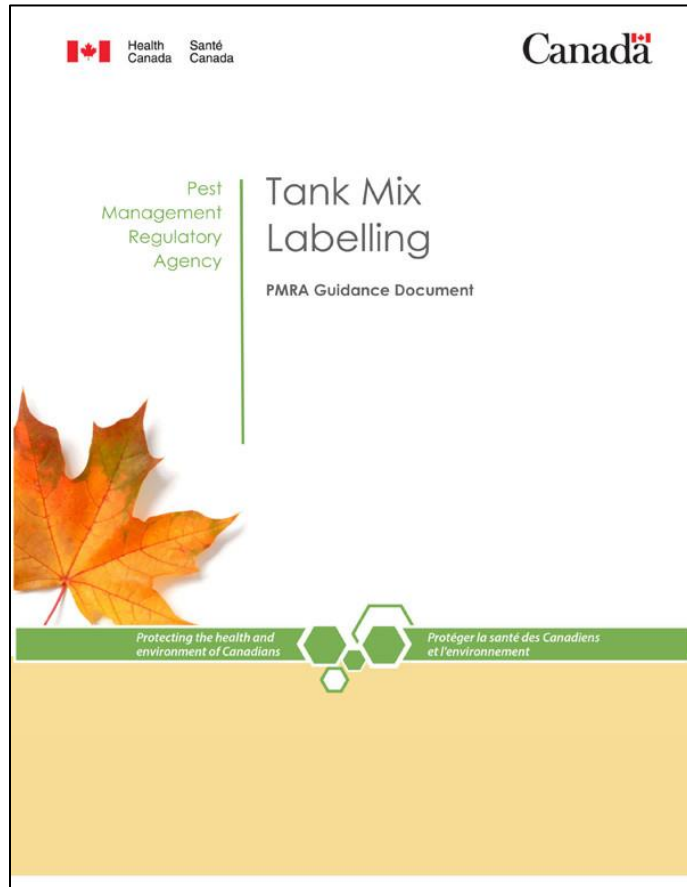
- ▶ Impact on Registrations for Cucumber Beetle re: Pollinators:
- ▶ Clothianidin: One foliar application prior to bloom only (Clutch)
- ▶ Thiamethoxam: Seed treatment use only (Cruiser)
- ▶ Imidacloprid: No longer registered (Admire)

Insecticides

- ▶ **Lambda-cyhalothrin (Matador, Silencer etc.)**
- ▶ RVD2021-04 PMRA final decision April 24, 2021
- ▶ No major changes for cucumbers
 - ▶ **NEW: DO NOT feed crops to livestock**
 - ▶ As a result of the regulatory review by the PMRA, applications of this pesticide on crops destined for livestock feed are not permitted
 - ▶ It is recommended that Ontario grain producers do not use any product containing lambda-cyhalothrin in the 2023 season
 - ▶ **Use may continue on horticulture crops as per label directions**

Insecticides

- ▶ Chlorpyrifos (Lorsban, Pyrifos, Warhawk, Pyrinex)
- ▶ RVD2020-14 PMRA final decision December 10 2020 cancelled all uses
- ▶ Canada:
 - ▶ Currently under phase-out period
 - ▶ Remains legal to use with previous labels until December 10 2023
 - ▶ MRLs remain unchanged
- ▶ United States:
 - ▶ Chlorpyrifos MRLs cancelled by EPA as of February 28 2022
 - ▶ Chlorpyrifos residues not acceptable in the US market in 2022 and beyond
 - ▶ Avoid using chlorpyrifos on crops to be exported to the US



Tank Mixes

- ▶ New PMRA Guidance December 2022
- ▶ “if a label contains no guidance related to tank mixing, then tank mixes are not permitted”
- ▶ For tank mixing to be permitted, there must be text on the product label that specifically allows for tank mixing:
 - ▶ Option 1: General label statement that permits tank mixing
 - or
 - ▶ Option 2: Identification of specific tank mix partners
- ▶ **2 YEAR TRANSITION: December 2024**

Tank Mixes - Option 1

► General Statement:

"This product may be tank mixed with (*a fertilizer, a supplement, or with*) registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact [insert registrant name] at [insert contact information] for information before applying any tank mix that is not specifically recommended on this label."

Tank Mixes - Option 2

11.13 Transplanted Tomatoes Grown for Processing – Tank Mixtures

TIMING	Pre-Plant Incorporated
WEEDS CONTROLLED	Annual Nightshades (American Nightshade, Eastern Black Nightshade), Nutsedge, Annual Grasses and Broadleaf Weeds
RATE/HA DUAL II MAGNUM HERBICIDE	1.25 L – 1.75 L
RATE/HA TANK MIX PARTNER	+ 0.5 L - 1.4 L Sencor 480F Flowable Herbicide
NOTES	<p>Use the higher rate of DUAL II MAGNUM Herbicide for heavier weed problems.</p> <p>Consult the label of the product to be tank mixed with DUAL II MAGNUM Herbicide for specific instructions regarding weeds, rates, soil-type and organic matter variations and other restrictions.</p> <p>CAUTION: DO NOT APPLY DUAL II MAGNUM HERBICIDE ON DIRECT-SEEDED TOMATOES.</p> <p>NOTE: DUAL II MAGNUM HERBICIDE MAY DAMAGE TRANSPLANTS THAT HAVE BEEN WEAKENED BY ANY CAUSE RESULTING IN REDUCED CROP YIELD. TO PREVENT DAMAGE, PLANT ONLY HEALTHY TRANSPLANTS. DO NOT PLANT WHEN WET, COOL OR UNFAVOURABLE GROWING CONDITIONS EXIST. FOLLOW ALL APPLICATION AND INCORPORATION DIRECTIONS EXACTLY.</p>

Compliance Inspections

► Cancelled Products

Violation Information

As a result of the inspection on October 25th, 2022, the following violations of the *Pest Control Products Act (PCPA)* were identified:

1. Under the *PCPA*, it is a contravention of the *PCPA* to be in possession of unregistered pest control products. Specifically, section 6(1) of the *PCPA* states:

“No person shall manufacture, possess, handle, store, transport, import, distribute or use a pest control product that is not registered under this Act...”

PCPA Registration No.	Contravention	PCPA Legislative Reference	Additional Details
Quintec Fungicide (Registration No. 29755)	Storage of unregistered pest control product. Product registration was not renewed, was	Section 6(1) of the PCPA	Product expired 2021-06-30. Quantity: 1 x 1L

Thank you!