

# Update on PMRA Re-Evaluations

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# Outline

1. What is the PMRA and what are re-evaluations?
2. What changes will be in place for 2020?
3. What re-evaluations are on-going, or upcoming?
4. How can a potato farmer adapt?

# What is PMRA?

- Pest Management Regulatory Agency
- Agency under Health Canada
- Regulates the Pest Control Products Act, pesticides and their uses
- Primary objective is to protect the health of Canadians and the Environment

# What are re-evaluations?

- **GENERAL RE-EVALUATIONS – “HAS ANYTHING CHANGED?”**
  - On a 15 year basis, **ALL** pesticides must undergo a re-evaluation using the most modern techniques and current scientific information to assess health and environmental safety criteria.
  - Example: Chlorothalonil & mancozeb
- **SPECIAL REVIEWS – “SOMETHING SPECIFIC SHOULD BE ASSESSED!”**
  - Can be initiated at any time on any pesticide. Only examines a certain aspect of a pesticide; can result from new information that provides reasonable grounds to believe that the health and/or environmental risks of a pesticide are no longer acceptable.
  - Example: Clothianidin & thiamethoxam – Aquatic Invertebrates

# What is the process?

- Manufacturers provide information and data to PMRA as per the re-evaluation or special review process.
- After reviewing data and information, PMRA publishes a PROPOSED DECISION for period of public consultation (often 90 days).
- PMRA considers all the submitted information and comments.
- PMRA issues a FINAL DECISION.
- Entire process can take several years.

# Recent PMRA Decisions

- BIFENTHRIN
  - Capture
- PMRA cancelled registration Dec 2017
  - Last Date of Sale by Retailers: December 31, 2019
  - Last Date of Permitted Use by Users: December 31, 2020
- Registrant is hoping to submit a new registration package

# Recent PMRA Decisions

- CHLOROTHALONIL
  - Bravo, Echo , Tattoo C, Elixir, Ridomil Gold Bravo
- Proposed Decision 2011; Amended 2016; Decision May 2018; ***label changes enforced 2020***
  - DF must be water soluble packaging
  - Additional PPE
  - Reduced # of apps (3 in potatoes)
  - **Lengthened REIs: Scouting – 3 days; Roguing – 19 days**

# Recent PMRA Decisions

- METIRAM
  - Polyram, Cabrio Plus
- Proposed Decision 2014; Final Decision June 2018; label changes enforced June 2020
  - Every use BUT potatoes cancelled
  - Max 3 apps and 1.4kg/ha per season
  - Extra PPE
  - Lengthened REIs
  - New engineering controls – closed mixing and loading (including water soluble packaging)
  - Limit applications of *metiram* and *mancozeb* in one season



# BASF phases out products containing metiram

June 26, 2019

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By Potatoes in  
Canada

**Topics**

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BASF will discontinue products containing metiram in response to a recent decision by the Pest Management Regulatory Agency (PMRA).

On June 21, the PMRA released its re-evaluation decision on metiram, a fungicide used on a number of food crops. The PMRA found metiram acceptable for foliar application to potatoes when used according to label directions, but cancelled all other uses of metiram. As a result, BASF will be discontinuing all its metiram-containing products according to the PMRA-mandated phase-out schedule.

# What products are currently undergoing re-evaluations or reviews?

- Mancozeb (Dithane, Manzate, Penncozeb, etc)
- Clothianidin (Titan, Poncho)
- Imidacloprid (Admire, Alias, Gaucho, Clutch)
- Thiamethoxam (Actara, Cruiser Max, Cruiser 5S)
- Lambda-cyhalothrin (Matador, Silencer)
- Linuron (Lorox)
- Thiophanate methyl (Senator)

# Mancozeb

- Proposed Decision; published Oct 5, 2018; proposes cancellation
- Consultation now closed
- If cancelled, there will be a phase out period
- Decision expected late 2020

# Neo-Nicotinoids

	Imidacloprid	Thiamethoxam	Clothianidin
General Re-evaluation	~Fall 2020 Decision	~After Fall 2020 Consultation	~After Fall 2020 Consultation
Special Review: Pollinators	<i>Applications during bloom banned</i>	<i>Applications during bloom banned</i>	<i>No change in potatoes</i>
Special Review : Squash Bees	~Pending data submission	~Pending data submission	~Pending data submission
Special Review: Aquatic Invertebrates	N/A	~Fall 2020 Decision	~Fall 2020 Decision
<b><i>PROPOSED DECISIONS (Most Restrictive Scenario)</i></b>	Cancel all outdoor uses (GR)	Cancel all outdoor uses (AI)	Cancel all outdoor uses (AI)

# Lambda-cyhalothrin

- Matador, Silencer
- June 2017 Proposed Decision – cancel all uses on food and feed commodities due to unacceptable human health risks.
- FINAL DECISION – Expected Spring 2020

# Linuron

- Lorox
- Proposed decision to cancel all uses; decision expected late 2020
- Also undergoing a simultaneous special review; decision expected 2020

# Thiophanate methyl

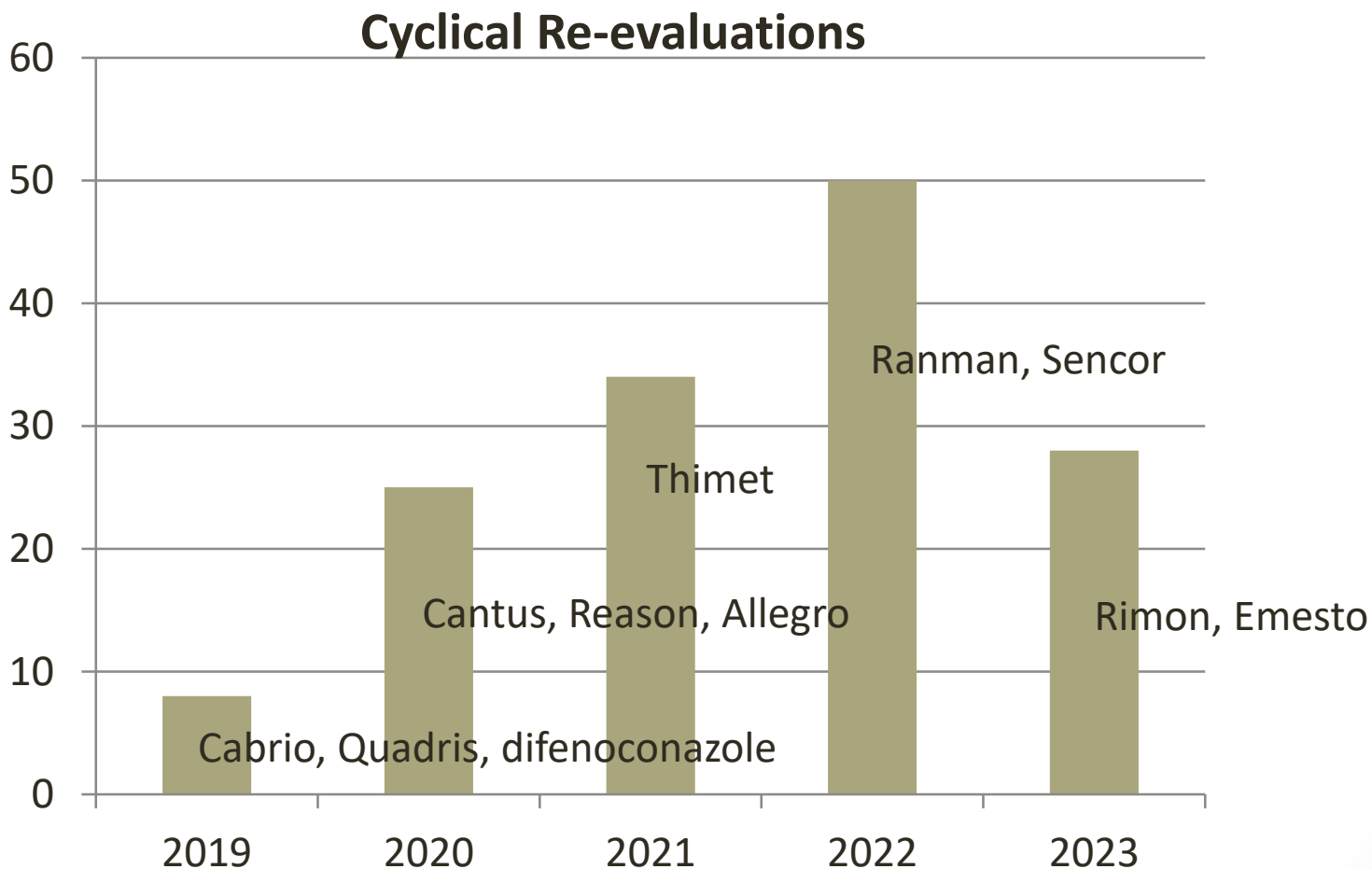
- Senator
- Cancel potato seed piece treatment
- Response submitted; pending final decision

# Chlorothalonil- Special Review

- Anticipated special review 2021



# PMRA Schedule 2019-2023



# What does this mean to a potato grower?

- Re-evaluations and special reviews do not necessarily result in cancellations of pesticides.
- We have experienced label restrictions, formulation changes, discontinued products and some proposed cancellations.
- During the re-evaluation, special review, or consultation processes, there are usually no impacts to current labels.
- We may be left with fewer tools in the future; and rotating pesticide families will get complex.

# How do we keep the tools we still have?

- Provide input during consultation periods
- Importance of following labels; including **NEW** labels– PPE, REI's, etc.
- When doing re-evaluations, PMRA may conclude that the label recommendations are not commonly followed, in which case they would assume higher risk to either human or environmental health.
- This could result in the future cancellation of those pesticides where label recommendations are not commonly followed.

# How do we adapt?

- Diligent planning of season-long pest control
  - Rotation of actives, max # of applications, labelled diseases
- More intense Integrated Pest Management Principles
  - Scouting, cultural practices, weather-based disease forecasting, spore trapping
- Resistant varieties
- Innovation in pest management (RNAi; drones/satellites for remote sensing; machine learning; precision ag)

Questions?