

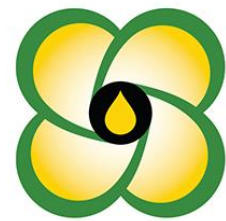
2019 Neonic Water Monitoring Program of Prairie Pothole Wetlands

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AGENDA

- 1 Who we are
- 2 Background and Program Overview
- 3 Data
- 4 Wetland Characteristics
- 5 Next Steps

CCGA is a farmer-led organization representing Canada's 43,000 canola farmers on national and international issues, policies and programs that enhance their farm's success.



**CANADIAN
CANOLA GROWERS
ASSOCIATION**

helping farmers ***succeed***

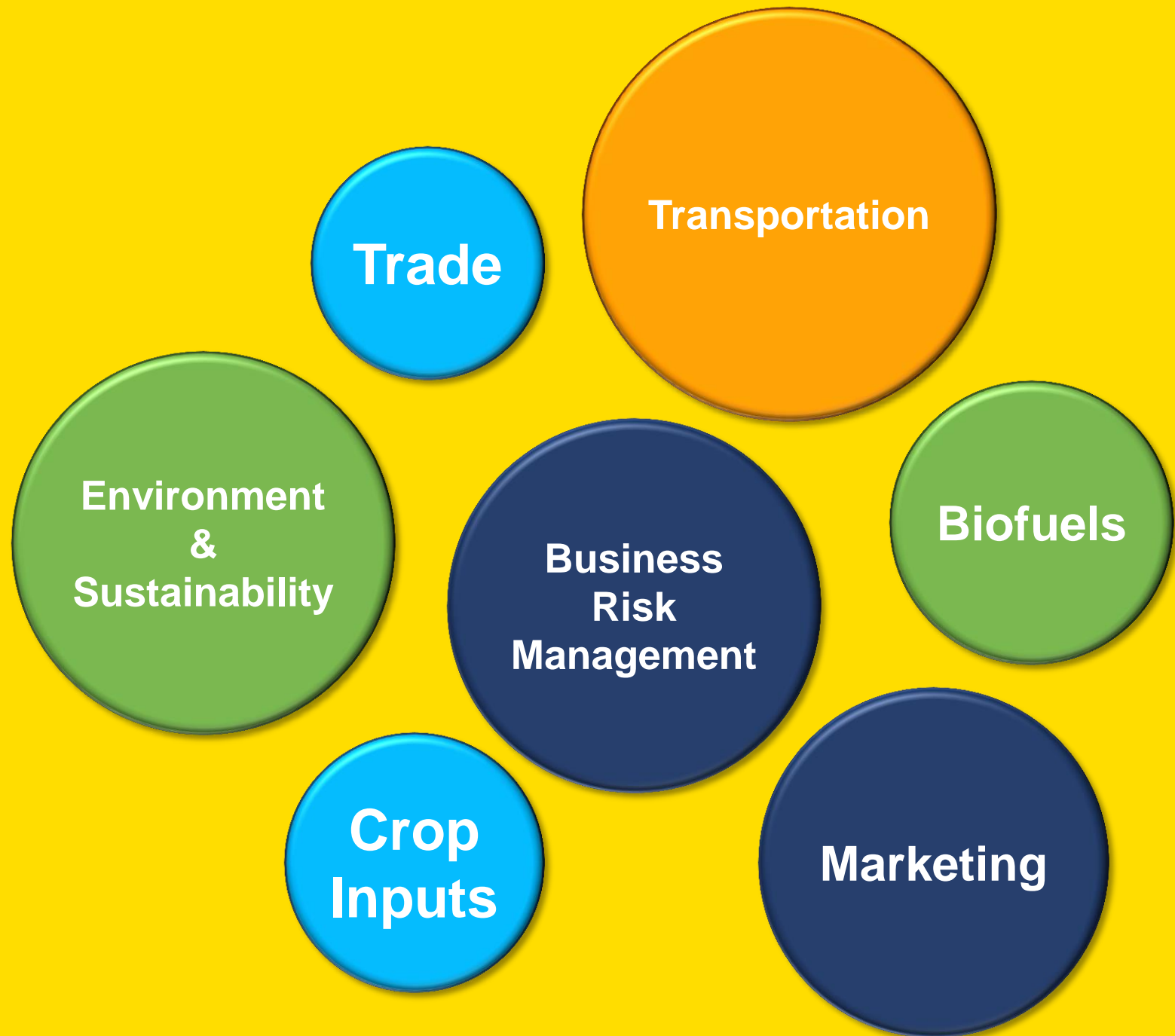


CCGA Member Organizations



Policy Development

Our policy and government relations team in Winnipeg and Ottawa represents the interests of canola farmers on issues including:



The PMRA

Proposed Special Review Decisions: Clothianidin and Thiamethoxam:

On August 15, 2018 the PMRA proposed banning all outdoor uses of these seed treatments, also known as Prosper and Poncho; Helix and Cruiser Maxx.

The proposed ban is due to the unacceptable risk to aquatic invertebrates, as modelled by the PMRA.

If the PMRA moves forward with a phase-out, they would not be available after 2024.



The PMRA

Proposed Special Review Decisions: Clothianidin and Thiamethoxam:

Chronic Endpoint (present for 21 days or more):

Clothianidin: 20ng/L (ppt)

Thiamethoxam: 300ng/L (ppt)

Acute Endpoint (one-time event):

Clothianidin: 1,500ng/L (ppt)

Thiamethoxam: 9,000ng/L (ppt)



Program Overview

Site characterization – Initial

- Wetlands in the prairie pothole region in areas of intensive canola cropping.
- Class 4 and 5 wetlands approximately 2.47 acres, or 1 hectare, in size.
- Buffer strips approximately 3-5 metres in width.
- Erosive channels present around target wetlands.
- Major rainfall events consisting of a total amount of precipitation greater than the 50th percentile of precipitation events for the area falling within a 24-hour period (37 mm in Saskatchewan and 38 mm in Alberta).

Program Overview

Site characterization – Final

- 17 wetlands across Alberta (5) and Saskatchewan (12) in areas of intensive canola cropping.
- 15 class 4 wetlands and 2 class 5 wetlands (AB 2 and SK 6) ranging in size from .75 - 6.8 acres.
- Buffer strips ranging in size from 0 – 16m.
- A dry spring across most of the prairies did not allow for erosive channels.
- Each site sampled weekly from the end of May until the second week of July
- Additional sampling after 2 major rainfall events:
 - Major Rainfall Event in Alberta saw sampling take place on June 22 at all Alberta sites.
 - Major Rainfall Event in Saskatchewan saw sampling take place on June 24 at sites SK5, SK6, SK7 and SK8.

Program Overview

Sampling Detections

- 157 samples taken.
- 18 detections of Clothianidin.
- 10 detections of Thiamethoxam.
- 125 samples analyzed detected no neonics.
- No samples met criteria for chronic or acute event.

Summer 2019 Water Monitoring Program

Conclusions

- No samples met criteria for chronic or acute event.
- Summer 2019 data demonstrates:
 - No unacceptable risk to aquatic invertebrates
- This research does not support need for regulated mitigation measures.
- This research does not support phasing out these products, due to impacts on aquatic invertebrates.

Wetland Characteristics: Alberta 1



Wetland Characteristics: Alberta 5



Next Steps

THANK YOU

QUESTIONS?