MANAGE RESISTANCE Now

Welcome to the Manage Resistance Now newsletter!

This newsletter is designed to keep you updated on the latest information regarding resistance management. We appreciate your support in sharing information to raise awareness of pest resistance and promoting the valuable resources available on ManageResistanceNow.ca. We also welcome your suggestions for additional resources that would be helpful for you, your stakeholders, and, of course, Canadian growers.

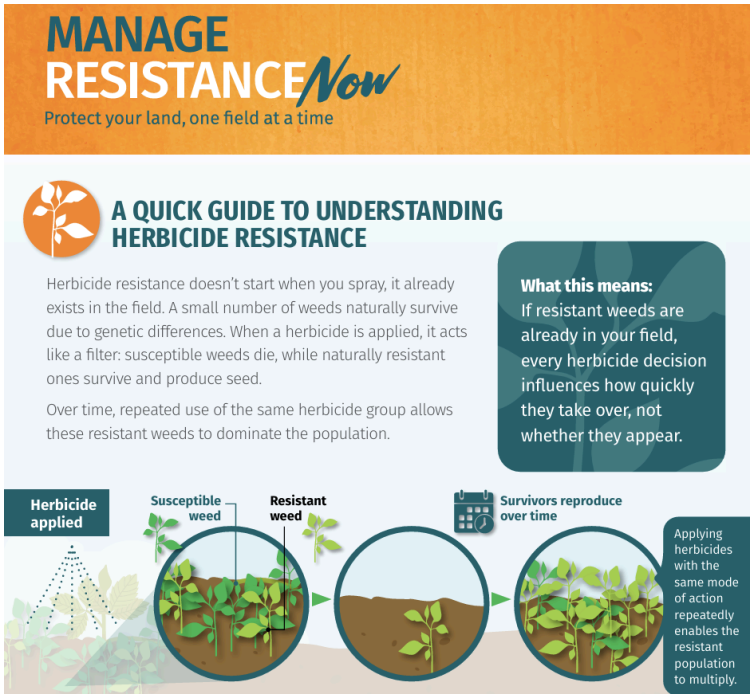
What to watch and what to share this season

Supporting your network this growing season

As the planting season gets underway, ManageResistanceNow.ca offers a range of practical, science-based resources to support resistance management on-farm. The site is designed not only for growers, but also for agronomists, retailers, and industry partners, making it easy to access and share valuable information across your network.

From case studies to information from Canadian growers, and fact sheets outlining best management practices, these tools help reinforce consistent messaging about pest resistance – weeds, diseases and insects – and support better decision-making throughout the season.

New factsheet focuses on understanding herbicide resistance



A new fact sheet, **A Quick Guide to Understanding Herbicide Resistance**, is now available. The resource explains how herbicide resistance develops and evolves, different types of resistance, and emphasizes the impact of resistance for Canadian Farmers.

Weed to watch for: Palmer amaranth

Palmer amaranth is one of the most aggressive and economically damaging pigweed species in North America, and while it's not currently established in Canada, it has been detected and eradicated in some areas, making early identification and prevention critical.

Looking for more information or resources about Palmer amaranth?

- Review and share this **factsheet** available at ManageResistanceNow.ca. The factsheet highlights key identification features and outlines the pathways that it can spread, including contaminated seed, equipment, and feed.
- Read the **Harmonized surveillance protocol for common waterhemp (Amaranthus tuberculatus) and other Amaranthus species**. The harmonized surveillance protocol includes guidelines for field scouting, identification tools, and resources for herbicide resistance testing by province.
- Download or share the Palmer amaranth identification postcard in **FR** and **EN**.

These Palmer amaranth resources are valuable for sharing with your network to raise awareness and reinforce the importance of vigilance, early detection, and preventing introduction to protect Canadian cropping systems from this high-risk weed.

What’s new: Manage Resistance Now Frequently Asked Questions section

The Grower FAQ section is the latest addition to ManageResistanceNow.ca. This new resource brings together clear, straightforward answers to common questions about resistance in weeds, diseases, and insects, making it easier to communicate key concepts quickly and consistently.

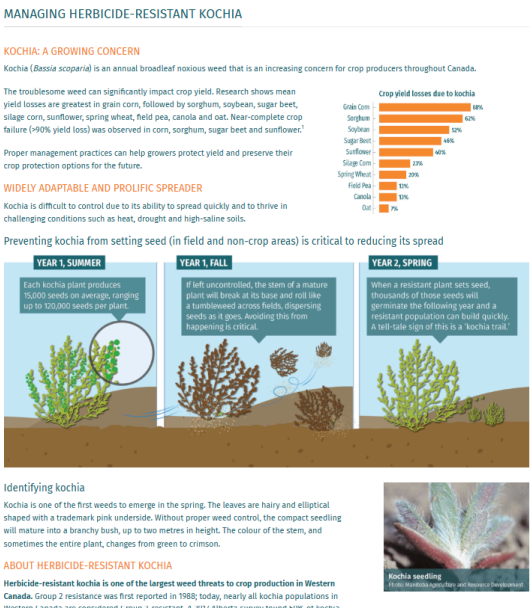
This section is especially useful for:

- Addressing common misconceptions
- Supporting conversations with growers in-season
- Providing quick, shareable explanations backed by credible sources

It’s a practical addition for anyone looking to simplify complex resistance topics into accessible industry insights.

Featured resources for the upcoming growing season:

Kochia factsheet



Kochia is one of the most aggressive and widespread resistant weeds across Western Canada, with populations commonly resistant to multiple herbicide groups. Dry and drought-like conditions over recent years have contributed to the spread of kochia, especially since it can thrive in heat, drought and saline soils.

This resource outlines why kochia is such a high-risk weed and emphasizes the need for proactive, integrated management. With kochia capable of spreading quickly and building resistant populations.

Waterhemp factsheet

Waterhemp is becoming a serious issue in Eastern Canada and is at risk of spreading across Canada. Waterhemp is a resistance concern due to its biology and adaptability.

This factsheet is a resource to help growers recognize early infestations and understand the importance of proactive management.

Resource spotlight and recommended reading

- **Benefits of Mode of Action Labelling** – This resource from CropLife International explores the power of Mode of Action (MoA) labeling and resistance management strategies, like rotating and mixing products with different MoAs, to outsmart pests and ensure sustainable farming. Watch the short **video**.

- **Two-pass herbicide management may improve yields** - Experts show where a single pre-emergent pass may not fully overcome the effects of weather and herbicide resistance.

- **Emerging issue ramps up complexity for resistant weed management in cereals** - Battling resistant weeds in cereals is nothing new for Canadian growers, but the problem continues to evolve and cause new issues.

- **How to whack waterhemp | Soybean School** - Early identification and management of waterhemp is critical as this weed spreads across Ontario.

- Watch for a Manage Resistance Now article in the upcoming May issue of the **Milk Producer magazine**.

Supporting on-farm resistance prevention and management

Whether you're preparing recommendations, answering tough resistance questions, or attending an event, Manage Resistance Now can support you with resources for **weeds**, **insects**, and **diseases**, including factsheets, postcards and promotional materials.

You can also contact the **Manage Resistance Now Team** to learn how they can help you spread the word about pest resistance and best management strategies.

Check out the **Manage Resistance Now postcard** – available for your next event.

What can you do to support Canadian growers?

- Follow and share Manage Resistance Now content on your channels.

- Request printed copes of factsheets and postcards for your next event.

- Looking for a speaker, or need an expert on pest resistance? Manage Resistance Now has a team that can support you and your growers. Just reach out.

- Share your feedback – are you looking for a new resource? Want to partner on a project? We'd love to hear from you.

Let's work together today to help Canadian growers protect our cropping tools and technologies for tomorrow.

Please feel free to share this newsletter with colleagues in your organization. If you have colleagues who would benefit from these updates, please email **Manage Resistance Now** to have them added to the distribution list.

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