+++++ PRE-SEED ADD-IN HERBICIDES PROVIDE +++++

FOR CANADIAN FARMERS

Early season weeds:

Compete with young seedlings for resources.





Moisture

Sunlight





Nutrients

Space to grow

Establish early and advance fast, becoming harder to control.



Reduce your crop's yield potential.

Pre-seed weed control has many benefits:



Reduces competition for a clean, efficient start.



Controls winter annual and perennial weeds.



Significantly improves yield potential vs. untreated crops.



Offers herbicide resistance management when adding a pre-seed tank-mix partner.

Did you know?



Early weed control during the critical weed free period has a more positive impact on crop yield vs. in-crop weed control.

Even if later applications control the weeds, the most significant yield loss is from early crop stage weed competition.

Why add a pre-seed herbicide from **Corteva Agriscience[™] to your tank-mix?**

Pre-seed herbicides from Corteva are specifically designed







Increases harvest efficiency.



Fewer weed seeds returned to the soil seed bank.



Leads to smaller, more evenly staged weeds at in-crop herbicide timing.

to help manage **Group 9 weed** resistance

and defend against Group 2 resistant weeds.

> Annual cost of herbicide resistance to Canadian farmers due to increased herbicide use and decreased yield and quality.¹

Get your cereal crops off to a clean start.	Give your canola the best start possible.			
Paradigm [™] PRE Arylex [™] active	Prospect [™] Arylex [™] active			
HERBICIDE	HERBICIDE			
SoilActive [™] technology controls weeds on the surface and weeds that have yet to emerge for up to 21 days following application.	3 effective modes of action when tank-mixed with glyphosate.			
Extended control of volunteer canola flushes. Convenient GoDRI™ formulation means:	Compared to glyphosate alone, delivers more complete control of:			
More acres per case. Lighter & easier to transport. Faster mixing. Does not require heated storage.	Glyphosate tolerant, and all volunteer canola. Key broadleaf weeds. Winter annuals like Group 2			
	resistant cleaver biotypes. Group 9 resistant kochia.			
Arylex [™] And with '.	Just GO' performance, you can:			





Spray when you want.



Control large weeds in cool and dry conditions.

Early weed control is paramount to producing high yielding cereal and canola crops.



Cereals

35.5 million acres seeded in Canada in 2021².

2.1 bushels/acre

yield advantage when crop received an early spring pre-seed herbicide application vs. an application 3 weeks later⁴.



when broadleaf weeds like kochia emerge before crop⁵.

Canola

22.5 million acres seeded in Canada in 2021³.

bushels/acre yield advantage

when weeds were controlled at 1-2 leaf crop stage vs. controlled at the 6-7 leaf stage[°].

What does this mean for farmers?



References

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- 5. O'Donovan, J. & McClay, A.S. (2002). Relationship between relative time of emergence of Tartary buckwheat (Fagopyrum tataricum) and yield loss of barley. Can. J. Plant Sci., 82(4), 861-863. doi:10.4141/P02-042 6. Harker, K., O'Donovan, J., Clayton, G., & Mayko, J. (2008). Field-Scale Time of Weed Removal in Canola. Weed Technology, 22(4), 747-749. doi:10.1614/WT-08-107.1
- 7. Current market prices as of January 28, 2022

