

CONTROLLING KOCHIA WITH A PROGRAM APPROACH

KOCHIA IS A SCOURGE FOR SOYBEAN GROWERS IN WESTERN CANADA.

Prolific Seed Producer.

15,000 SEEDS PER PLANT

Drought-Tolerant and an Early Germinator.



Documented resistance to

3 HERBICIDE GROUPS

All kochia populations are resistant to **GROUP 2** herbicides.

About 50% are **GROUP 9** resistant, and 18% are **GROUP 4** resistant to dicamba. **1 in 10** kochia populations have three-way resistance.

➔ Overuse of any herbicide group leads to the development of weed resistance.

To help ensure your herbicide tools remain effective and perform for years to come on your farm...



- Observe good crop and herbicide group rotations



- Use multiple modes of action



- Follow label instructions and do not cut rates



- Practice early weed removal

THE PROGRAM APPROACH

is a **two-pass system** that uses multiple modes of action to effectively control kochia (resistant and non-resistant biotypes) in **Enlist E3[®] soybeans**.

BENEFITS INCLUDE:

- ✓ **Reduced early season competition** from annual grass and broadleaf weeds
- ✓ **Multi-modes of action for resistance management**
- ✓ **Timely post-emergent applications for optimum weed control and reduced weed competition**

1 Start with a residual herbicide (Group 14) at pre-emergence.

GROUP 14

Authority[®] 480 (sulfentrazone)

or

Voraxor[™] (trifludimoxazin + saflufenacil)

- ➔ Kochia is susceptible to this mode of action, for early weed removal.
- ➔ Residual activity helps keep weeds at bay as the crop establishes.



Varieties with tolerance to **2,4-D (Group 4)**, **glyphosate (Group 9)** and **glufosinate (Group 10)**.

2 With your **Enlist E3 soybeans** off to a strong start, keep the field clean by applying:

Enlist[™] 1 herbicide (Group 4)

For the flexibility to tank-mix and adjust the rates of glyphosate and glufosinate.

and

Liberty[®] 200 SN (Group 10)

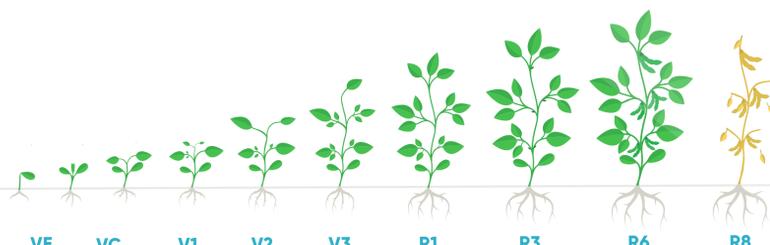
Provides an additional post-emergence tool, making Enlist the most flexible system for managing kochia.

- ➔ Two-pass, MMOA weed management approach provides 3 effective modes of action against resistant and non-resistant kochia.
- ➔ Enlist 1 and Liberty 200 SN will control all resistant biotypes of kochia that survive the pre-emergence application, or those that germinated afterward.

Wide application window helps control late flushes of kochia.

Enlist 1 + Liberty 200 SN

Apply at post emergence.



Both Enlist herbicides come with Colex-D[™] technology for: Near-zero volatility and low drift

Enlist herbicides are critical tools enabling post-emergence control, without fear of off-target movement.

Applying Enlist herbicides:



- Boom height at 60cm or less



- Optimum spray volume at 10-15 GPA



- Use nozzles that deliver coarse to extremely coarse spray droplets



- Spray when winds are between 3-16 km/h
- Do not spray in winds that exceed 25 km/h
- Do not spray during a temperature inversion

Learn more at enlistcanada.ca or use our **Program Approach Tool** to find the right program approach for your farm.

Download the Field Guide app at app.corteva.ca



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