

# CONTROLLING WATERHEMP WITH A PROGRAM APPROACH



**WATERHEMP IS A GROWING PROBLEM FOR CANADIAN SOYBEAN FARMERS.**

**Prolific Seed Producer.**

**250K TO 1 MILLION PER PLANT**



Documented resistance to **6 HERBICIDE GROUPS**

**Grows Rapidly and is Highly Competitive.**



Most waterhemp populations in Canada carry resistance to **2 or more herbicide groups, including: GROUP 2, 4, 5, 9, 14 AND 27**

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

**To help ensure our 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 waterhemp (resistant and non-resistant biotypes) in **Enlist E3<sup>®</sup> 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** Begin with a **Group 14** pre-emergence herbicide application with some residual activity.

#### WESTERN CANADA

Apply a pre-seed soil residual **Group 14** herbicide registered for use in soybeans.

#### EASTERN CANADA

Apply a **Group 14** such as Diligent<sup>™</sup> herbicide (**Group 2 and 14**).

#### Diligent<sup>™</sup> HERBICIDE

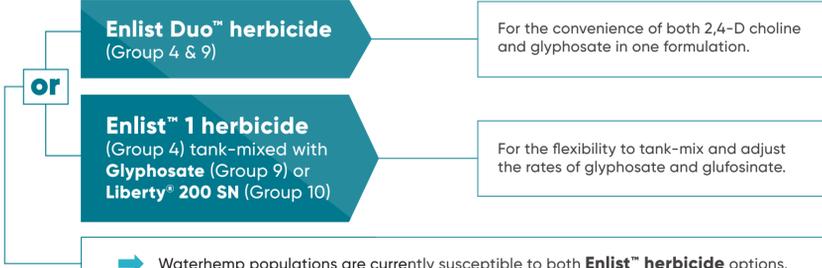
Defends against weed resistance and gets your soybeans off to a strong start.

➔ Save these modes of action for the second pass. (**Groups 4, 9, 10**)



**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 either:



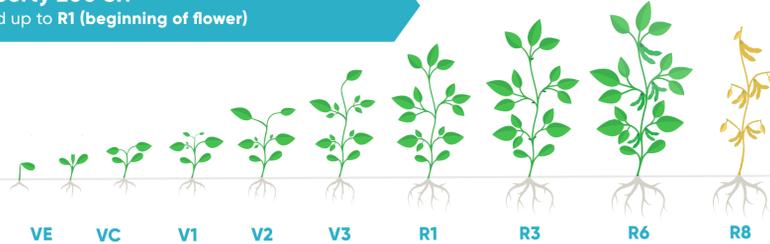
**Wide application window helps control late flushes of waterhemp.**

**Enlist Duo or Enlist 1 + Glyphosate**

Can be applied right up to **full flower (R2)**

**Enlist 1 + Liberty 200 SN**

Can be applied up to **R1 (beginning of flower)**



**Both Enlist herbicides come with Colex-D<sup>™</sup> technology for: Near-zero volatility and low drift**

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

**Liberty 200 SN** provides an additional post-emergence tool, **making Enlist the most flexible system for managing waterhemp.**

### 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](http://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](http://app.corteva.ca).



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