

## BROADSPECTRUM WEED CONTROL IN CHEMICAL FALLOW

June 26, 2014



**Situation:** Due to excessive rainfall, many fields across the Prairies have not been seeded or crops may be stressed due to standing water. Weed control on fallow land will require some form of crop protection application to control weeds and volunteer crop growth. The challenge is to manage weeds in fallow fields this year in a way that minimizes soil erosion while conserving moisture and nutrients for next year's crop.

**Solution:** Select the right broadleaf tank mix partner for glyphosate in chemical fallow to ensure excellent control of a broad range of perennial and annual weeds.

**Benefits:** 1. **Excellent, Broad Spectrum Weed Control:**

- Selecting the right tank mix partner will provide control of tough weeds missed with glyphosate alone. These include: glyphosate resistant weeds such as Kochia, several tough winter annual and annual weeds such as Wild Buckwheat, and Volunteer glyphosate tolerant Canola.
- Glyphosate will provide good control of perennials such as Quackgrass, Canada Thistle, Dandelion, and Foxtail Barley.

2. **Conserve Soil, Moisture, and Nutrients:**

- Reduces risk of soil erosion and prevents loss of nutrients to weeds.
- Good head start for next year's crop by controlling weeds before they set seed.

**Tips:** 1. **Select the right tank mix partner for glyphosate:**

- [2,4-D Ester 700](#) and [MCPA Ester 600](#) phenoxy herbicides will control volunteer glyphosate tolerant canola, glyphosate resistant Kochia, and help improve control of tough annuals such as Hempnettle and Chickweed.
- [Brotex® 480](#) (bromoxynil) will also control glyphosate resistant Kochia as well as improve control of tough weeds like Wild Buckwheat, Cow Cockle, and Lady's Thumb.
- [Logic® M](#) (Bromoxynil/MCPA) combines the benefits of the above-mentioned herbicide groups.

2. **Target the Proper Weed Stage:**

- Smaller weeds are generally more susceptible. For example, Volunteer Canola is most susceptible at < 4 leaf stage and difficult to control at later stages. Dandelion is best controlled at < 6 inches in diameter. Foxtail Barley should be sprayed prior to seed-head initiation.

3. **Select the Correct Rate for Each Tank Mix Partner\*:**

Broadleaf Tank Mix Partner	Rate for Susceptible Weeds (L/ac)	Rate for Harder to Control Weeds (L/ac)
<a href="#">2,4-D Ester 700</a>	0.19 – 0.32	0.34 – 0.53
<a href="#">MCPA Ester 600</a>	0.24 – 0.36	0.42 – 0.61
<a href="#">Brotex 480</a>	0.24	0.28
<a href="#">Logic M</a>	0.5	

\*Check the product label for proper use rates, based on weed species, infestation level, and growth stage

Always read and follow the current IPCO product labels for directions ([www.ipco.ca](http://www.ipco.ca)).