

## **2,4-D + Glyphosate For Pre-Seed Weed Control In Wheat and Barley**

**April 20, 2012**

**Situation:** 2012 is shaping up to be an early spring and many growers are planning for a pre-seed glyphosate weed control treatment. Growers seeding a wheat or barley crop this spring on canola stubble, will need to plan for control of volunteer canola, including glyphosate tolerant volunteers.

**Solution:** Apply 2,4-D with your glyphosate as a tank mix prior to seeding wheat, for excellent control of a broad range of perennial and annual weeds, **including volunteer glyphosate tolerant canola**<sup>1</sup>.

### **\*2,4-D Rates For Control of Volunteer Glyphosate Tolerant Canola**

<b>Volunteer Canola Stage</b>	<b>2,4-D Ester 700 Rate (L/Acre)</b>	<b>2,4-D Amine 600 Rate (L/Acre)</b>
<b>1 - 4 leaf</b>	<b>0.17 - 0.25</b>	<b>0.2 - 0.3</b>
<b>4 - 6 Leaf</b>	<b>0.34 - 0.42</b>	<b>0.4 - 0.5</b>

\*2,4-D + glyphosate pre-seed applications registered for wheat, winter wheat, barley, and rye only

### **Guidelines For Best Results:**

- **Staging – Spray early**, as volunteer canola is most susceptible prior to the 4 leaf stage
- **Rate – Apply at labeled rates.** Refer to table above
- **2,4-D Formulation** – For 4 – 6 leaf applications, 2,4-D Ester is best.
- **Application to Seeding Interval: Wait 3 days** or more after application and before seeding for best weed control and crop safety.
- **Control of volunteer canola prior to other crops:**
  1. **Logic M** (bromoxynil/MCPA) can be used prior to oats, corn, canaryseed, and seedling grasses, in addition to wheat, barley, and rye.
  2. **MCPA Amine** can be used prior to oats, corn, flax, peas, lentils, and chickpeas, in addition to wheat, barley, and rye.
- **Planning can reduce volunteer canola populations:**
  1. Harvesting canola – reduce canola seed loss through proper timing of swathing and adjusting the combine
  2. **Avoid fall tillage** which can bury canola seed
  3. **Plan rotations** to maximize volunteer control options. For example follow canola with cereals to allow for pre-seed and/or in-crop phenoxy treatments.
  4. **Field scouting** – Control of volunteers before they set seed

<sup>1</sup>. Always read and follow label directions.