Adding a soil residual herbicide has been proven to increase your yield.

**WHO?**

Growers who are looking for an alternate mode of action for wild oats and want activity on millet and broadleaf weeds should choose Fortress® MicroActiv® Herbicide. If you have wild oats on your farm and have been using a lot of group 1 or group 2 for control, time to try some Fortress®. With both group 3 and group 8, it is a great option to mix things up. The latest Agriculture and Agri-Food Canada herbicide research study shows that wild oats resistant to group 1 and group 2 herbicides are increasing. In Manitoba 79 percent of fields had resistance to group 1, group 2, or both modes of action. In Saskatchewan the number was 65 percent. So whether you have resistance or just have wild oats, it’s time to add Fortress with group 3 and group 8 to your herbicide rotation.

**WHAT?**

Fortress® MicroActiv® Herbicide is a great base layer for a PRE + POST herbicide program (sequential program). By adding groups 3 and 8 and removing up to 80% of wild oats, green foxtail and select broadleaf weeds before they emerge, you will reduce your risk of developing resistance to the post-emergent herbicide mode of action you use.

**WHY?**

Multiple research studies have proven that early weed removal is important for maximum yields. Whether it is wheat, barley, canola, flax or other crops, keeping fields clean when plants are young is extremely important. Also Fortress® is a Group 3 and 8 herbicide so will help with concerns of resistance. Another reason is that you will have less weeds growing in-crop to control with a post-emergent herbicide which allows greater flexibility in timing.

**WHEN**

Get your Fortress® on as soon as you can after the window opens. Fall and spring are both options, but we recommend applying at the first available opportunity to make sure it gets done. With incorporation soon after or at the same time as application, apply any time after September 15th.

- **Any time after September 15th**

For spring application, apply a minimum of 7 days before seeding.

- **7 days before seeding**

**APPLICATION**

Apply Fortress® MicroActiv® with a floater, a Valmar® applicator, or another air-flo type applicator to ensure proper coverage of soil. Your local dealer may have a floater or rental equipment so check with them. Valmar® has many product options, but one of the best is to mount a Valmar box directly onto your harrow bar for one-pass application and incorporation.
**Incorporation**
Want the most out of your investment? Then incorporate.
A study from Agriculture and Agri-Food Canada in Regina in 1996 compared the loss of triallate and trifuralin from the soil each day for 24 days after application on the 20th of May. An incorporation pass was done at day 14. The herbicides in the soil became significantly more stable after incorporation, even with increasing temperatures. A simple heavy harrow pass is recommended and the sooner after application, the better. Two passes are also better than one!

**CROPS**
Canola, flax, mustard, wheat (spring and durum), barley

**WEEDS**
Controlled: wild oats, green foxtail, yellow foxtail
Suppressed: Kochia, lamb’s quarters, redroot pigweed, Russian thistle, wild buckwheat

**How It Works**
Since Fortress® has two modes of action, there are two ways it controls weeds. The group 8 triallate is taken up by the shoot of wild oats as they grow through the treated layer. The group 3 trifuralin is taken up by the roots as the seeds germinate. The most important aspect of using Fortress® is to ensure it is evenly spread on the soil and incorporated into the top layer to create a blanket that will intercept as many of the wild oats that are trying to grow through the layer and be taken up by small seeded grass and broadleaf weeds that germinate near the surface. Clods or clumps of crop residue may reduce control.

**Use rates**

<table>
<thead>
<tr>
<th>Crop</th>
<th>&lt;2% OM</th>
<th>2-4% OM</th>
<th>&gt;4% OM</th>
<th>&gt;6% OM</th>
<th>Seeding Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring or durum wheat</td>
<td>Do Not Use</td>
<td>11 kg/ha (10 lbs/ac)</td>
<td>11 kg/ha** (10-12.5 lbs/ac)</td>
<td>14 kg/ha (12.5 lbs/ac)</td>
<td>Minimum 1.5&quot; (place seed 1/2&quot; below incorporation depth)</td>
</tr>
<tr>
<td>Barley</td>
<td>11 kg/ha (10 lbs/ac)</td>
<td>11-14 kg/ha** (10-12.5 lbs/ac)</td>
<td>14 kg/ha (12.5 lbs/ac)</td>
<td>17 kg/ha (15 lbs/ac)</td>
<td>As desired.</td>
</tr>
<tr>
<td>Canola, flax, mustard</td>
<td>14 kg/ha (12.5 lbs/ac)</td>
<td>14 kg/ha (12.5 lbs/ac)</td>
<td>14 kg/ha (12.5 lbs/ac)</td>
<td>17 kg/ha (15 lbs/ac)</td>
<td></td>
</tr>
</tbody>
</table>

**Re-Cropping**
Do not use for wheat if trifuralin has been used since June 1 of previous year.

**Formulation and Packaging**
14% MicroActiv clay available in 22.7 KG or 453.6 KG bags.

**Other Tips:**
Don't forget to do a burnoff before crop emergence.

For more information call 1-800-960-4318, email info@gowanco.com or visit gowancanada.com.
ALWAYS READ AND FOLLOW LABEL DIRECTIONS.