Tackle Winter Annual Weeds Right After Harvest and Provide Long-Lasting Residual Protection Through Spring

Farm with Authority – Authority® XL herbicide. Fall burndown with Authority XL takes care of weeds now and provides long-term residual control through spring, providing the clean start you need for a yield bump next harvest.

Benefits of Fall Application
- Seedling winter annuals are easier to control for more consistent burndown
- Start clean in spring without worry of fields becoming overgrown
- Plant earlier because clean fields help soil warm and dry more quickly in spring
- Clean fields are less attractive sites for insects like cutworms and armyworms
- Control winter annual species that can be alternate hosts for soybean cyst nematodes
- Best in class chemistry for residual control of waterhemp, marestail, lambsquarters, morningglory, pigweed and other labeled weeds
- Contains two modes of action to help manage resistance issues
- Long residual activity expands post application window

Authority XL
4-4.5 oz/A + 2, 4-D – 1 pt/A + COC 1% v/v
- For control of emerged grasses, add Roundup®:
  - Downy brome
  - Cheat
  - C. foxtail
  - Little barley
- For chickweed, Roundup, dicamba or Express® is required

Considerations
- Follow fall applications with appropriate in-season applications of soil residual or postemergence herbicides to maintain adequate weed control
- Authority XL can be followed by spring application to extend residual weed control
- Authority® Assist, Authority® First or Authority® MTZ can be used in spring to extend residual weed control in growing season
- Optimum timing is after winter annual weed emergence and soil temperatures are 50°F or less to extend residual weed control
- Apply with minimum of 10 gpa by ground or 5 gpa by aerial
HERBICIDE

Usage Recommendations

Full Use Rate

(needed for glyphosate-resistant weeds for longer residual control)

Fall Application, Early Pre-plant, Pre-plant Burndown, Pre-plant Incorporated, and Preemergence

<table>
<thead>
<tr>
<th>Broadcast Rate (oz/A)</th>
<th>Coarse Soil Texture</th>
<th>Medium Soil Texture</th>
<th>Fine Soil Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Organic Matter</td>
<td>Loamy Sand, Sandy Loam</td>
<td>Loam, Silt Loam, Silt, Sandy Clay Loam</td>
<td>Silty Clay Loam, Clay Loam, Clay</td>
</tr>
<tr>
<td>0.5 – 2.0%</td>
<td>5.0 – 6.0 oz/A</td>
<td>6.5 – 7.5 oz/A</td>
<td>7.0 – 8.0 oz/A</td>
</tr>
<tr>
<td>2.0 – 4.0%</td>
<td>6.0 – 7.0 oz/A</td>
<td>7.0 – 8.0 oz/A</td>
<td>8.0 – 9.6 oz/A</td>
</tr>
</tbody>
</table>

Apply Authority® XL according to Rate Tables for types of application and specific geographic areas.

Reduced Rates for GMO Soybeans

(Roundup Ready®, LibertyLink® etc.)

Fall Application, Early Pre-plant, Pre-plant Burndown, Pre-plant Incorporated, and Preemergence

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</tr>
<tr>
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<td>4.0 oz/A</td>
<td>4.0 oz/A</td>
<td>4.0 – 5.0 oz/A</td>
</tr>
<tr>
<td>2.0 – 4.0%</td>
<td>4.0 oz/A</td>
<td>4.8 oz/A</td>
<td>4.0 – 5.0 oz/A</td>
</tr>
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</table>

Use rates in Reduced Rate Table are to be used in conjunction with a planned POST herbicide program; Authority® XL at these reduced rates will provide early season control or suppression to reduce early season weed competition.

Weed Spectrum

Preemergence Control

- Mustard, wild
- Nutsedge, purple
- Nutsedge, yellow
- Pigweed
  - Palmer amaranth
  - Redroot
  - Smooth
  - Spiny amaranth
- Poinsettia, wild
- Prickly sida (teaweed)
- Purslane, common
- Ragweed, common
- Ragweed, giant*
- Russian thistle
- Senna, coffee
- Smartweed (annual)
- Spurge, spotted
- Sunflower, wild
- Velvetleaf
- Waterhemp

Control of emerged weeds requires a burndown tank mix such as 2, 4-D, Roundup or dicamba.

* Weed species which can germinate deep in the soil, such as pitted morningglory, cocklebur and giant ragweed or other weeds, such as nutsedge, which may emerge at various times during the growing season, may require a cultivation or a follow-up application of postemergence herbicides.

** To deliver control, the addition of Roundup® PowerMAX, Express® or dicamba is recommended.

Suppresses

- Barnyardgrass
- Burcucumber
- Crabgrass
- Foxtail, species
- Goosegrass
- Johnsongrass, seedling
- Mexicanweed
- Panicum, Texas and fall
- Sicklepod
- Signalgrass, broadleaf

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