For more information, visit www.FarmAssist.com, www.Prefix-Herbicide.com or call the Syngenta Customer Center at 1-866-SYNGENTA (796-4368).

Convenient and Effective:
Prefix Offers the Best of Both Worlds

BENEFITS

• Offers a convenient and effective pre-emergence and early post-emergence option for controlling difficult weeds in soybean
• Utilizes two modes of action to control glyphosate- and ALS-resistant weeds such as Palmer amaranth (Palmer pigweed), waterhemp and common ragweed
• Protects yield with up to five weeks of residual control of highly competitive broadleaf weeds and grasses
• Provides excellent crop safety
• Controls problem weeds in soybean, allowing for:
  – a properly timed application of Touchdown Total® herbicide for full-season weed control
  – protection of soybean yield against weed competition
  – effective management of weed resistance

USE RECOMMENDATIONS

Application:
Apply Prefix at 2-3 pt/A – Check product label for your region.
Prefix should be applied as a pre-emergence application on all soils to control or suppress certain weeds for a period of up to five weeks when followed by a planned post-emergence weed control treatment in soybeans.
Recommended post-emergence treatments include any product or combination of products labeled to control specific weeds that may remain in the field. Post-emergence treatments would include glyphosate products (such as Touchdown brands) for use on glyphosate-tolerant soybean varieties.
For the post-emergence herbicide application, consult the manufacturer’s label for weeds controlled, weed size, application rate, additional use directions, precautions and limitations before use.

For complete application and use rate information, refer to the Prefix label.
Prefixa® herbicide offers superior broadleaf weed and grass control to help growers start the season right so they can capitalize on their crop’s true yield potential. By providing timely weed control, Prefix is an ideal solution for controlling the most difficult weeds in soybean.

The Answer to Troublesome Weeds

As a premix formulation, Prefix savors growers’ time during application. The formulation consists of two proven chemistries, 5-methoxy and formamidimidine. This combination offers a non-glyphosate, non-ALS herbicide option for controlling troublesome weeds like common ragweed and waterhemp, which are known to be resistant to multiple herbicide modes of action.

Problem Weeds Controlled by Prefix

- Common ragweed
- Waterhemp
- Lambquarters
- Foxtail spp.
- Pigweed spp.
- Smartweed spp.
- Nymphshade spp.
- Palmer amaranth (palmer pigweed)
- Barnyardgrass
- Italian ryegrass
- Italian ryegrass
- Giant ragweed
- Common ragweed
- Kochia
- Horseweed (Marestail)
- Hairy fleabane
- Waterhemp
- Palmer pigweed
- Palominum
- Silicone
- Spring spinch
- Giant foxtail
- Sonchus
- Horseweed

Economics of Soybean Weed Management Strategies

<table>
<thead>
<tr>
<th>Herbicide Program</th>
<th>Economic Benefits</th>
<th>Superiority Index (SI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residual followed by preemergence</td>
<td>Prestige 11.5 oz/A &amp; 4-8 oz/A</td>
<td>56</td>
</tr>
<tr>
<td>Glyphosate b/f 0-4</td>
<td>4.4</td>
<td>106</td>
</tr>
<tr>
<td>Glyphosate b/f 4-8</td>
<td>4.1</td>
<td>113</td>
</tr>
<tr>
<td>Glyphosate b/f 8-12</td>
<td>3.8</td>
<td>118</td>
</tr>
<tr>
<td>Glymphosate b/f 12-16</td>
<td>3.5</td>
<td>123</td>
</tr>
<tr>
<td>Glyphosate b/f 16-20</td>
<td>3.2</td>
<td>128</td>
</tr>
<tr>
<td>Glyphosate b/f 20-24</td>
<td>2.9</td>
<td>133</td>
</tr>
<tr>
<td>Glyphosate b/f 24-28</td>
<td>2.6</td>
<td>138</td>
</tr>
<tr>
<td>Glyphosate b/f 28-32</td>
<td>2.3</td>
<td>143</td>
</tr>
<tr>
<td>Glyphosate b/f 32-36</td>
<td>2.0</td>
<td>148</td>
</tr>
</tbody>
</table>

As seen in the chart below, applying a residual pre-emergence herbicide followed by glyphosate will lead to better soybean yields as well as nice return on investment.

Choose Prefix for Better Weed Management

An application of Prefix can prevent many weeds from emerging and provide several weeks of residual weed control, allowing young soybean plants to establish their full yield potential in a weed-free environment. As shown in the research below, Prefix followed by Touchdown Total out-yielded other treatment programs at the same application timings.

The Challenge of ALS- and Glyphosate-Resistance

Since the 1970s, glyphosate has been an effective tool for soybean growers. Because of its popularity as well as conveniences, its overuse has developed glyphosate-resistant biotypes in certain weed species. With 11 confirmed glyphosate-resistant weeds in 23 states, it is important that growers recognize the severity of this issue. The map above indicates which states have confirmed certain weed species to be glyphosate-resistant.

Rotating modes of action and limiting the number of glyphosate and ALS applications are both important to a successful management program in soybean fields. As a Resistance Fighter® brand, Prefix offers two different modes of action to help combat glyphosate resistance and manage weeds more effectively. By incorporating different cultural techniques and a variety of plant protection tools, growers can both improve their weed management programs and prevent further development of glyphosate- and ALS-resistant weeds.

Young soybean plants are particularly vulnerable to a variety of pests while they are emerging, and weeds are no exception. Early-season weeds compete for soil moisture, light, and nutrients that are vital to soybeans during the critical crop-establishment stages. This competition can severely reduce yield potential, making the early-season a particularly critical stage for protecting soybean plants. A grower’s best defense against early-season weed competition is a pre-emergence residual herbicide, such as Prefix.

According to Purdue University and The Ohio State University research, weeds that reach nine inches in height – a price much higher than the commodity price of $6.50/bu. – will lead to better soybean yields as well as nice return on investment. As demonstrated in the graph below, growers can receive yield benefits from using Prefix as a pre-emergence foundation treatment, regardless of the glyphosate application timing. Prefix allows for a wider application window, thus reducing the risks associated with applying glyphosate too early or too late, and provides a profitable return per acre. Prefix followed by Touchdown Total provided higher yields than glyphosate treatments alone.