Syngenta understands the challenges cereal growers face and works diligently to provide the solutions that will make cereal growing simpler and more profitable. Syngenta is dedicated to delivering growers a complete product portfolio of top-performing products, and Orion® herbicide delivers a unique herbicide option.

Simplifies Weed Control
Orion offers growers the simple solution for broadleaf weed control in cereals. With a single use rate for all labeled broadleaf weeds, Orion takes the complexity out of the decision-making process. With crop tolerance to wheat, barley, oats and triticale, growers can easily move between crops without having to change herbicides in the tank. Orion also enables growers to minimize trips across the field through its tank-mix compatibility with grass herbicides and fungicides. The simplicity and flexibility extends to application timing to achieve optimum weed control.

Superior Crop Rotation Flexibility
The rapid soil degradation of Orion provides many rotational cropping options regardless of moisture levels. This superior flexibility means growers have more freedom to plant what they want the following year. Combined with its excellent crop safety on wheat (including spring, winter and durum), barley, rye, oats and triticale, Orion is the tool to get the job done.

Timing of Application to Crops
Orion can be applied from the 3-leaf stage up to the boot stage, providing a flexible application window.

For more information, visit www.farmassist.com/crops/cereals or call the Syngenta Customer Center at 866-SYNGENTA (866-796-4368).

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GS-401-82003 (03/12)
SCP-167-00006-B
The Simple Solution for Broadleaf Weed Control

Orion herbicide is a unique class of chemistry for broadleaf weed control in cereals that is highly effective against yield-robbing broadleaf weeds, offers superior rotational crop flexibility and simplifies broadleaf weed control. Applied at a single use rate, Orion has excellent crop safety on wheat, barley, oats, rye and triticale, making Orion the simple solution for broadleaf weed control in cereals. With two modes of action, Orion is an excellent tool to control resistant and non-resistant biotypes.

Features and Benefits of Orion

- Controls broadleaf weeds at a single use rate of 17 oz/A—One case treats 40 acres
  - Convenience of controlling yield-robbing broadleaf weeds without worrying about rates
  - Takes the complexity out of the decision

- Excellent crop safety on wheat, barley, oats, rye and triticale
  - Ideal for wheat (including durum) and barley
  - No crop safener is needed to protect crops

- Rapid soil degradation
  - Provides excellent rotational crop flexibility the following growing season

- Wide application window
  - Orion provides effective control of most weeds at the 1 to 4 inch height or diameter stage
  - Power to control yield-robbing weeds before significant yield reduction occurs

- Moves systemically through xylem and phloem
  - Rapidly stops growth of susceptible weeds
  - Ensures a complete kill

- Easy tank-mix partner with grass herbicides
  - Orion is compatible with grass herbicides like Axial® XL for more efficient, one-pass grass and broadleaf weed control

Yield-robbing Broadleaf Weed Control

Orion delivers excellent control of a wide spectrum of yield-robbing broadleaf weeds at a single use rate of 17 oz/A to help maximize yield potential. Labeled for control of more than 25 broadleaf weeds—including catchweed bedstraw, common chickweed, mayweed chamomile, prickly lettuce, wild buckwheat and mustards—Orion delivers the power for effective weed control in each field. The excellent performance is a testament to how Orion moves through the weed.

After Orion is absorbed by plant foliage, it is translocated through both the xylem and phloem to the meristematic tissues within the plant, rapidly stopping the growth of susceptible weeds within hours of application. This systemic movement ensures a complete kill before yield reduction occurs.

Performance Against Yield-Robbing Broadleaf Weeds

<table>
<thead>
<tr>
<th>Weed</th>
<th>Estimated Yield Loss (%)</th>
<th>Orion Performance (% control)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunflower</td>
<td>20%–35%</td>
<td>Excellent</td>
</tr>
<tr>
<td>Wild mustard</td>
<td>20%–56%</td>
<td>99%</td>
</tr>
<tr>
<td>Kochia</td>
<td>10%–32%</td>
<td>83%–96%*</td>
</tr>
<tr>
<td>Smartweed</td>
<td>28%–50%</td>
<td>93%</td>
</tr>
<tr>
<td>Wild buckwheat</td>
<td>10%–20%</td>
<td>88%</td>
</tr>
<tr>
<td>Lambsquarters</td>
<td>20%–25%</td>
<td>93%</td>
</tr>
</tbody>
</table>

*The addition of Starane® is required for greater than 90% Kochia control.