Peas, lentils, chickpeas and canola

DuPont™ Assure® II
herbicide

The clear winner for broad-spectrum grass control

The only post grass offering backed by DuPont™ Crop Protection Plus®.

Year after year, growers in the western United States have had exceptional success using DuPont™ Assure® II herbicide to control grasses when growing succulent and dry peas, lentils, chickpeas and canola.

The success is because Assure® II controls the most troublesome grasses that concern growers and does it consistently even under cool and wet weather conditions.

Take that one opportunity
Assure® II can control wild oat, volunteer cereals and quackgrass with one postemergent application. One-pass control is important to you because workload and weather often limit your ability to make subsequent treatments.

The recommendation to pea, lentil, chickpea and canola growers is to use Assure® II after most grasses have emerged but before the largest grasses are beyond labeled control. Delaying application and using higher label rates of Assure® II allows controlling the broadest spectrum of both annual and perennial grasses in a field, and reduces the potential for needing additional control measures such as a second broadcast herbicide application.

Assure® II works best under conditions that are conducive to healthy, actively growing plants. If a crop was previously stressed or injured by other pesticide applications, it must be fully recovered and growing vigorously before Assure® II is applied.

Controlling annual and perennial grasses
When attempting to control both annual and perennial grasses, or a variety of either in one application, the highest label rate is recommended — especially under arid conditions. Tough annual grass control recommendation: apply 10 ounces per acre of Assure® II. Tough perennial grass control recommendation: apply 12 ounces per acre of Assure® II. (See the Assure® II label for a complete list of grasses controlled and specific application details.)

<table>
<thead>
<tr>
<th>Perennial grasses*</th>
<th>Spray timing by grass size</th>
<th>Rates of Assure® II (oz/A) applied alone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quackgrass</td>
<td>6”-10”</td>
<td>10-12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Annual grasses*</th>
<th>Spray timing by grass size</th>
<th>Rates of Assure® II (oz/A) applied alone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barnyardgrass</td>
<td>2”-6”</td>
<td>8-10</td>
</tr>
<tr>
<td>Corn, volunteer</td>
<td>6”-18”</td>
<td>5-8</td>
</tr>
<tr>
<td>Foxtail: bristly, green, yellow</td>
<td>2”-4”</td>
<td>7-8</td>
</tr>
<tr>
<td>Foxtail, giant</td>
<td>2”-8”</td>
<td>7-8</td>
</tr>
<tr>
<td>Millet, wild-proso</td>
<td>2”-6”</td>
<td>5-8</td>
</tr>
<tr>
<td>Oat, wild</td>
<td>2”-6”</td>
<td>7-8</td>
</tr>
<tr>
<td>Volunteer cereals: barley, oats, rye, wheat</td>
<td>2”-6”</td>
<td>7-8</td>
</tr>
</tbody>
</table>

* For annual and perennial grasses, up to 12 ounces per acre may be applied, based on local conditions. Under arid conditions the higher use rate is recommended.
Sequential application guidelines

Observe the following recommendations when applying broadleaf herbicides in sequence:

- After applying DuPont™ Assure® II, wait a minimum of 24 hours before applying a post broadleaf weed herbicide.

- In fields treated with a post broadleaf weed herbicide, do not apply Assure® II until grass plants begin to develop new leaves (generally seven days after the post broadleaf weed herbicide application).

Mixing with insecticides or fungicides

There is the potential for mixing Assure® II with insecticides or fungicides, but again, this tank mixing should be based upon recommendations and product labeling of each tank-mix product. And the most restrictive provisions of either label should be followed.

For growing chickpeas, lentils, green peas and dry peas, the mixing of Assure® II with DuPont™ Asana® XL insecticide can be appropriate for controlling grasses and insects such as pea aphid, loopers, cutworms and armyworms*. In the states of Idaho, Oregon and Washington, the tank mix can be used for control of pea leaf weevil and pea weevil. Consult the Asana® XL label for specific use information and details.

Another commonly used tank mix is Assure® II and dimethoate insecticide for control of pea aphid.

* Aids in control.

Limitations to use

- A spray adjuvant must always be included with Assure® II. (An ammonium nitrogen fertilizer such as 28-0-0 or sprayable grade ammonium sulfate such as 21-0-0 may be included with Assure® II and a petroleum-based crop oil concentrate or non-ionic surfactant.)

- All precautions should be taken to avoid off-target movement (spray drift), because grass crops such as wheat, barley and oats are highly sensitive to Assure® II.

- Do not graze livestock in treated areas or feed forage, hay or straw from treated areas to livestock.

- Grasses with known resistance to ACC’ase inhibitor herbicides (such as Hoelon, Poast, Select) may not be controlled by Assure® II.

- Do not rotate to crops other than canola, cotton, crambe, dry beans, lentils, mint (spearmint and peppermint), peas (dry and succulent peas), snap beans, soybeans or sugar beets within 120 days after application.

- Refer to the label for specific use information including seasonal use limits and preharvest intervals.

For more information

Contact your local DuPont crop protection retailer or DuPont representative to learn more about Assure® II herbicide programs for growing lentils, chickpeas, canola and many other crops. And visit us on the Web at assureii.dupont.com.