Broadleaf Weed Control in Perennial Forage Grasses

Benefits of Sharpen® Herbicide

- Powered by Kixor® Herbicide Technology
  - Control of the toughest broadleaf weeds
- Fast and Effective
  - Three to five times faster than 2,4-D
  - Effective control of broadleaf weeds
- Flexible
  - Application in cool and warm season grasses
  - Dormant season and in season use
  - Zero day grazing restriction

Best Use Recommendations

**Perennial Forage Grasses** (Pasture, Hay, Silage)

- Cool season perennial grasses
- Warm season perennial grasses

**Application Timing**

- Dormant season application: Late fall or early winter dormancy period, or in early spring prior to green-up.
- In season: Actively growing forage grasses from green-up to early heading.

For broadleaf weed control in perennial forage grasses grown in pasture, for forage, silage and hay production.

Technical Information Bulletin
### Application Requirements

<table>
<thead>
<tr>
<th>Forage Type</th>
<th>Application Timing</th>
<th>Rate (fl oz/A)</th>
<th>Adjuvant</th>
<th>N Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cool Season Perennial Grass</td>
<td>Dormant Season Application</td>
<td>1.0–2.0</td>
<td>MSO (1% v/v)</td>
<td>AMS (8.5–17 lbs/100 gal)</td>
</tr>
<tr>
<td></td>
<td>In Season – Post Emergence</td>
<td>1.0–2.0</td>
<td>MSO (1% v/v)</td>
<td>None</td>
</tr>
<tr>
<td>Warm Season Perennial Grass</td>
<td>Dormant Season Application</td>
<td>1.0–2.0</td>
<td>MSO (1% v/v)</td>
<td>AMS (8.5–17 lbs/100 gal)</td>
</tr>
<tr>
<td></td>
<td>In Season* – Post Emergence</td>
<td>1.0–2.0</td>
<td>MSO (1% v/v)</td>
<td>None</td>
</tr>
</tbody>
</table>

* These statements refer to Warm Season Grass, In season – post emergence. Apply from green-up to early heading. Do not apply to baha grass or buffalo grass. Do not apply more than 1 oz/A to bermuda grass in season.

**Location: Reagan, TX. Cooperator/grower: Pete Bonds, Bonds Ranches.**

Date of application: 7-2-15. Volume applied: 20 gals/A. Weed size: Wooly Croton (Dove weed) @ 6–18 inches. Treatment Sharpen® herbicide: 1 fl oz/a + MSO 1% v/v.

Date of application: 7-2-15. Volume applied: 20 gals/A. Weed size: Marshelder @ 4–10 inches. Treatment: Sharpen herbicide 1 fl oz/a + MSO 1% v/v.

### Tank-mix Partners

<table>
<thead>
<tr>
<th></th>
<th>Prowl® H2O</th>
<th>Facet® L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of Action</td>
<td>Microtubule Inhibitor (3)</td>
<td>Tri-Auxin Receptors (4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-Classified (26)</td>
</tr>
<tr>
<td>Control</td>
<td>Pre-Emerge Grasses &amp; Small Seeded Broadleaves</td>
<td>Post Emerge Grasses &amp; Small Seeded Broadleaves</td>
</tr>
<tr>
<td>Rate</td>
<td>Dormant: 1.1–4.2 quart/ac</td>
<td>12–64 oz/ac</td>
</tr>
<tr>
<td>Target Market</td>
<td>Hay</td>
<td>Hay</td>
</tr>
<tr>
<td>Restrictions</td>
<td>Hay: 60 Day PHI, Pasture: 45 Day PHI Warm-Season Grasses Only</td>
<td>Hay: 7 day PHI, May Yellow Bermuda List of Accepted Grasses</td>
</tr>
</tbody>
</table>

Ask your retailer about Sharpen herbicide today.
To learn more, visit: www.AdvancedWeedControl.basf.us

Sharpen®
Powered by Kixor® Herbicide

Always read and follow label directions.
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We create chemistry