The New Standard For Weed Control in Wheat

Benefits of Zidua® Herbicide

- Residual control or suppression of tough grasses and small seeded broadleaf weeds
- New standard for use flexibility
- Activity on ALS, ACCase, and glyphosate resistant weeds
- Superior Italian ryegrass control

Zidua herbicide provides superior residual control and use flexibility in one product.

Resistant Italian Ryegrass Control in Winter Wheat

5/9/2014, NCSU, Wesley Everman – Applied EPOST – Herford, NC

Untreated Control

Zidua Herbicide 1.5 oz/A + Axial 16.4 fl oz/A
Zidua® Herbicide for Resistant Italian Ryegrass Control in Winter Wheat

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Yield (bu/A)</th>
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<tbody>
<tr>
<td>Zidua herbicide + Axial XL + metribuzin (EP)</td>
<td>86.8</td>
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<tr>
<td>Zidua herbicide + metribuzin (EP)</td>
<td>85.9</td>
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<tr>
<td>Zidua herbicide + Axial XL (EP)</td>
<td>82.7</td>
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<tr>
<td>Axiom® (EP) fb Axial XL (LP)</td>
<td>78.5</td>
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<tr>
<td>Axial XL (LP)</td>
<td>25.8</td>
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<tr>
<td>UTC</td>
<td>11.5</td>
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Application Timing is Critical for Success

Early POST 86.8 bu/A vs. Late POST 45.5 bu/A

Zidua herbicide (1.5 oz/A) + Axial XL (16.4 fl oz/A) + metribuzin (2 oz/A), Texas A&M University - Commerce, Pictures taken on May 14, 2014, Fairlie, TX. Primary weed: ALS/ACCase-resistant Italian ryegrass. Early POST applied on 11/13/2013 to 2-leaf ryegrass, 182 DAT. Late POST applied on 2/12/2014 to 2-3 tiller ryegrass, 91 DAT. Zidua herbicide must be applied with a POST wheat herbicide such as Axial XL and/or metribuzin at or prior to 2-leaf Italian ryegrass.

Best Use Recommendations

**Use Rate:** 0.7 to 2 oz/A

**Labeled Crop:** Wheat

**Application Timing:** Delayed Preemergence* and Postemergence

- Use rate is dependent on soil texture and application timing. Please consult label for appropriate application rate in your field.

**Weeds Controlled or Suppressed:**

**Grasses**
- Annual bluegrass
- Barnyardgrass
- Bromus spp.
- Canarygrass
- Foxtail spp.
- Ryegrass spp.
- Wild oats
- Lambsquarters
- Marestail (horseweed)
- Pigweed spp.
- Wild buckwheat
- Wild mustard

**Broadleaf Weeds**
- Carpetweed
- Common chickweed
- Common ragweed
- Flixweed
- Kochia
- Wild mustard

* Delayed preemergence applications are applied as wheat emerges above the soil surface. More specifically, when 80% of the wheat seedlings have a shoot at least 1/2 inch in length.

**General Information:**

- Zidua herbicide may be applied in water or in sprayable liquid nitrogen fertilizer solutions.
- Zidua herbicide provides outstanding residual control of tough grasses like Italian ryegrass. For optimal control of emerged Italian ryegrass Zidua herbicide should be tank mixed with a POST wheat herbicide like Axial and/or metribuzin.