Tavium Plus VaporGrip Technology for soybeans

Technical overview
Tavium® Plus VaporGrip® Technology herbicide delivers contact control of emerged broadleaf weeds and residual control of key broadleaf and grass weeds in Roundup Ready 2 Xtend® Soybeans. Tavium, a premix formulation of the active ingredients dicamba and S-metolachlor, delivers two effective sites of action (SOAs) to help maintain clean fields and manage weed resistance.

Technical attributes
Tavium provides growers with:

• Two effective SOAs for contact and residual control to manage key ALS-, PPO- and glyphosate-resistant weeds
• Built-in resistance management and convenience as a premix
• Flexible application from preplant through early post-emergence
• Easy fit in various tillage systems and geographies

Active ingredients
1. Dicamba, a Group 4 herbicide technology, offers an alternative SOA to manage resistant weeds.
2. S-metolachlor, a Group 15 herbicide technology, provides residual weed control.

Proven post-emergence performance

Moses, Iowa; 2017

Tavium provides greater than 95 percent control of Amaranthus species more often than the competition
Applied early post-emergence.
2017 University Trials: Iowa, Illinois, Kansas, Tennessee, Wisconsin, Mississippi, Missouri, Kentucky, Ohio, Indiana, Nebraska, Delaware

91% 55%
<95% Control 45%
>95% Control 9%
Tavium + Roundup PowerMAX

XtendiMax® With VaporGrip® Technology + Roundup PowerMAX® fb XtendiMax® With VaporGrip® Technology + Roundup PowerMAX®
Management of key weeds and annual grass, including:

<table>
<thead>
<tr>
<th>Weeds managed pre-emergence:</th>
<th>Weeds managed post-emergence:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barnyardgrass</td>
<td>Goosegrass</td>
</tr>
<tr>
<td>Black nightshade</td>
<td>Black nightshade</td>
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<tr>
<td>Broadleaf signalgrass</td>
<td>Florida beggarweed</td>
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<tr>
<td>Crabgrass</td>
<td>Burcucumber</td>
</tr>
<tr>
<td>Fall panicum</td>
<td>Florida beggarweed</td>
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<tr>
<td>Florida pusley</td>
<td>Florida beggarweed</td>
</tr>
<tr>
<td>Foxtails</td>
<td>Florida beggarweed</td>
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</tbody>
</table>

Superior weed control produces greater soybean yields

![Graph showing superior weed control produces greater soybean yields]

2017 University Trials: Iowa, Illinois, Kansas, Tennessee, Wisconsin, Mississippi, Missouri, Kentucky, Ohio, Indiana, Nebraska, Delaware

Resistance management

Driver weeds like Palmer amaranth have tremendous genetic diversity, which increases the chances of selecting for resistance.

Tavium is most effective when used as part of a season-long weed management program that includes a pre-emergence residual herbicide with multiple effective SOAs, such as Boundary® 6.5 EC, BroadAxe® XC or Prefix® herbicides, followed by an early post-emergence application of Tavium. An integrated season-long weed management program can help reduce the weed seed bank, increase diversity within a herbicide program and fight resistance.

For more information about Tavium, visit [SyngentaUS.com/Tavium](http://SyngentaUS.com/Tavium).

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Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations. Trials reflect treatment rates commonly recommended in the marketplace.

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