



## Glyphosate not working like it used to? Evolve to Flexstar GT 3.5

Each year, more and more grass and broadleaf weed species are becoming difficult to control solely with glyphosate, indicating that herbicide resistance is a growing threat. Syngenta was the first in the industry to take an active approach in preserving existing chemistries as a means to manage the spread of resistance. At Syngenta, it is our mission to enable soybeans to **start strong, grow strong** and **yield strong** each season so farmers can **grow more soybeans**. As a way to ensure soybeans **grow strong**, Flexstar® GT 3.5 herbicide is specifically formulated to control troublesome weeds that are difficult to control with glyphosate alone, or those weeds that have developed or are likely to develop resistance to glyphosate and/or ALS-inhibitors in glyphosate-tolerant (GT) soybeans.

Flexstar GT 3.5 contains two leading active ingredients delivering two different modes of action.

Unlike competitive tank mix options, Flexstar GT 3.5 also contains Isolink® II Technology, a unique adjuvant system designed to optimize both the systemic activity of glyphosate and the contact activity of fomesafen.

Active Ingredient	Group
Glyphosate	Group 9
Fomesafen	Group 14

### Advantages of Flexstar GT 3.5

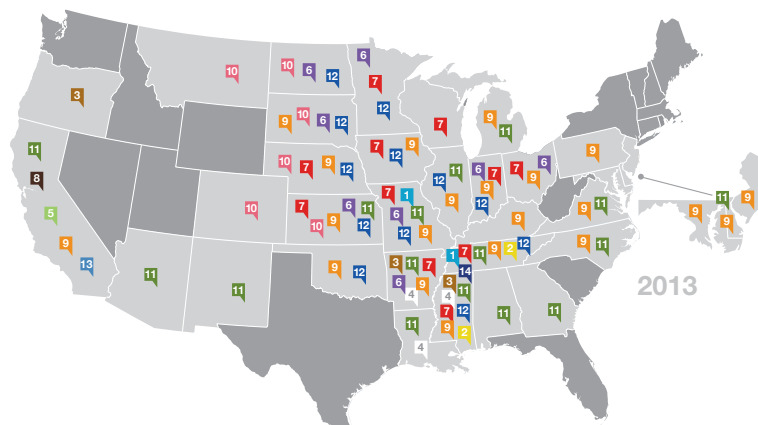
- Provides a premix formulation of glyphosate and fomesafen for control of glyphosate- and ALS-resistant weeds in soybeans
- Utilizes Isolink II Technology adjuvant system to provide effective post-emergence weed control with reduced crop injury compared to current glyphosate and broadleaf herbicide tank mixes
- Helps growers reduce the weed seed soil bank, maximize diversity and fight resistance when combined with cultural practices such as crop rotation and tillage

### Why do we need Flexstar GT 3.5?

Glyphosate has been and will continue to be an integral component of weed management programs for GT soybeans. But with 33 states now battling 14 glyphosate-resistant weed species, glyphosate alone is no longer a viable option for effective weed control in soybeans.

#### Glyphosate-resistant Weeds in the U.S.

- |                    |                         |
|--------------------|-------------------------|
| 1 Annual Bluegrass | 8 Hairy fleabane        |
| 2 Goosegrass       | 9 Horseweed (Marestail) |
| 3 Italian ryegrass | 10 Kochia               |
| 4 Johnsongrass     | 11 Palmer amaranth      |
| 5 Rigid ryegrass   | 12 Waterhemp            |
| 6 Common ragweed   | 13 Junglerice           |
| 7 Giant ragweed    | 14 Spiny Pigweed        |



Source: University Reports and International Survey of Herbicide Resistant Weeds, [www.weedscience.org](http://www.weedscience.org)

As shown below, Flexstar GT 3.5 stops weed competition with two modes of action, sustains GT soybean technology, and maximizes yield and profit potential.



Glyphosate alone missed the resistant weeds



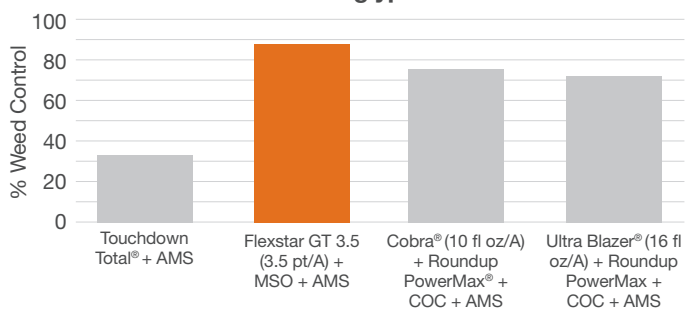
Flexstar GT 3.5 application

Flexstar GT 3.5 applied post-emergence not only controls the same annual weeds as glyphosate, but also several glyphosate- and ALS-resistant broadleaf weed biotypes such as Palmer amaranth, waterhemp and ragweed, plus those weeds difficult to control with glyphosate alone such as morningglory and velvetleaf. In addition to post-emergence weed control, Flexstar GT 3.5 has pre-emergence activity on more than 25 broadleaf weeds including Palmer amaranth, pigweed species, ragweed and yellow nutsedge when applied as a preplant burndown treatment.

## Flexstar GT 3.5 Performance

The data below shows the benefits found from using Flexstar GT 3.5 in soybeans. In the study, Flexstar GT 3.5 controlled a higher percentage of the glyphosate-resistant Palmer amaranth than other products.

### Palmer amaranth—glyphosate resistant

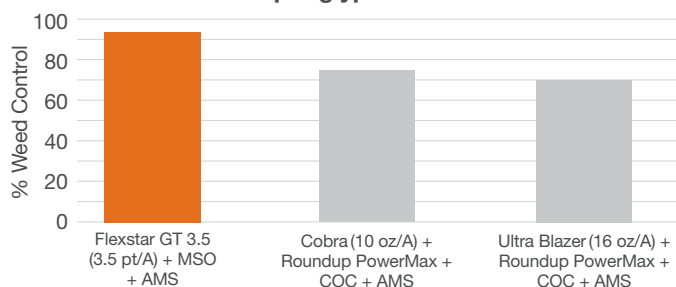


Syngenta trials [Arkansas]: 48 days after post-emergence treatment. Rates: Touchdown Total 31 fl oz/A, Roundup PowerMax 28 oz/A, MSO 1%, COC 1%, AMS liquid 2.5%.

For all of the latest soybean news from Syngenta, visit <http://Soybeans.FarmAssist.com>, the one-stop resource for everything soybeans. And don't forget to register for the Soybean Insider to be delivered directly to your email at [www.FarmAssist.com/SoyInsider](http://www.FarmAssist.com/SoyInsider). Join the conversation – connect with us at [social.SyngentaUS.com](http://social.SyngentaUS.com).

The data below shows the benefits found from using Flexstar GT 3.5 in soybeans when controlling glyphosate-resistant waterhemp. In the study, Flexstar GT 3.5 controlled a higher percentage of the waterhemp than other products.

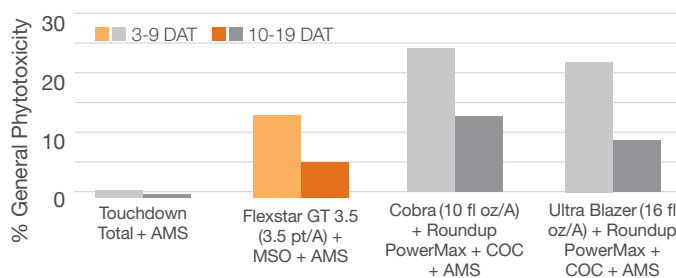
### Waterhemp—glyphosate resistant



Syngenta trials [Illinois]: 42 days after post-emergence treatment. Rates: Roundup PowerMax 28 fl oz/A, MSO 1% v/v, COC 1% v/v, AMS liquid 2.5% v/v.

The data below shows the different levels of crop response resulting from using herbicides. In the study, Flexstar GT 3.5 outperformed the competition.

### Soybean Crop Response



Syngenta trials [Iowa, Illinois, Indiana, Missouri, Mississippi, Ohio, Tennessee]: three to nine and 10 to 19 days after post-emergence treatment. Rates: Touchdown Total 31 fl oz/A, Roundup PowerMax 28 fl oz/A, MSO 1%, COC 1%, AMS liquid 2.5%.

 **Flexstar<sup>®</sup>GT3.5**

**syngenta<sup>®</sup>**

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