



syngenta®

Better Strength
for Bigger Yields



TM

Powerful Control

Flexstar® herbicide outshines other post emergent soybean herbicides by controlling glyphosate- and ALS-resistant weeds like waterhemp and common ragweed. Flexstar is the perfect tankmix partner for products containing glyphosate for complete post emergence weed control.

Quick Uptake

Fomesafen, the active ingredient in Flexstar, works quickly on broadleaf weeds by destroying cell membranes, resulting in rapid browning and desiccation of plant tissue.

The active ingredient is linked to the spray adjuvant by Isolink™ Technology, which helps ensure faster, more efficient uptake by moving it through the leaf, into the stem and to the axillary node. This unique technology provides the most advanced tool to keep soybeans free of broadleaf weeds that are often hard to manage.

Tankmixes

Flexstar is tankmix-compatible with a variety of herbicides, allowing growers to achieve excellent control of glyphosate- and ALS-resistant broadleaf weeds. Tank mix Flexstar with Touchdown® brand herbicides for complete post emergence weed control.

Touchdown Total®

Touchdown potassium glyphosate brands, backed by best-in-class product service and support, play an integral role in glyphosate-tolerant soybean programs. Touchdown brands deliver consistent, down-to-the-roots control of more than 170 weed species, offer excellent crop safety on glyphosate-tolerant crops, and work in a wide range of environmental and field conditions.

The Yield Impact of Weed Competition

Adding diverse chemistries to a weed management program can reduce the risk of resistant weeds. The chart below illustrates yield losses associated with common, problem broadleaf weeds and grasses. As shown, pigweed can cause a dramatic loss in yield—just 20 weeds per 100 feet of row can reduce soybean yields by 10 percent. A herbicide management program will help to control stubborn broadleaf weeds and grasses as they approach economic thresholds.

Percent Soybean Yield Reduction

	1%	2%	4%	6%	8%	10%
Weeds per 100 feet of row						
Cocklebur	1	2	4	6	8	10
Pigweed	2	4	6	10	15	20
Lambsquarters	2	4	6	10	15	20
Shattercane (5-8/clump)	2	5	8	11	14	17
Giant foxtail	15	25	80	300	400	600
Velvetleaf	1	3	6	10	13	16
Smartweed	2	4	6	10	15	20
Volunteer corn	1	2	3	4	5	6

¹ Interference data are from Stoller et al., 1985, Reviews of Weed Science; E.L. Knake and F.W. Slife, 1962, Weeds 10:26; and E.L. Werner and W.S. Curran, 1995, Proc. NEWSS 49:23. Source: Penn State

Weed Resistance Management

Growers have faced the challenges of combating weed biotypes resistant to triazine and ALS-inhibiting herbicides. Today, there is a new concern—glyphosate resistance. With ten different glyphosate-resistant weeds located in 22 different states, growers who rely on glyphosate alone may find their herbicide programs falling short of expectations. Flexstar is a Resistance Fighter™ brand, meaning that Flexstar added to your glyphosate-tolerant soybean program not only manages weeds more effectively, but it also adds another mode of action to help combat glyphosate resistance.

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Confirmed Resistant Weeds in the U.S.

Flexstar can fill the glyphosate weed control gap. The weeds listed below are glyphosate- and/or ALS-resistant, but can be controlled with Flexstar. In addition to these, Flexstar is labeled for control of more than 50 different weed species.

Glyphosate- and/or ALS-resistant Weeds Controlled by Flexstar:

- Palmer amaranth (Palmer pigweed)
- Common ragweed
- Giant ragweed
- Common waterhemp

Flexstar Benefits

- Offers some of the best post emergence weed control available by controlling more than 50 weed species
- Provides enhanced control of weeds like morningglory, common ragweed, black nightshade, hemp sesbania and waterhemp when tank mixed with glyphosate
- Controls many weeds in just 12-24 hours
- Absorbs on contact and is rainfast in just one hour
- Utilizes Isolink Technology to deliver optimal herbicide performance

Application Recommendations

The best broad-spectrum, post emergence control of susceptible broadleaf weeds is obtained when Flexstar is applied to actively growing weeds, 14 to 28 days after planting.

For broad-spectrum control of broadleaf weeds in Regions 2, 3, 4 and 5 (refer to the regional maps on the Flexstar label), Flexstar should be used with 1-2.5% v/v liquid nitrogen (28 percent or similar) or a minimum of 8.5 lbs. ammonium sulfate per 100 gals. of spray volume.

For post emergence applications, add one of the following (except in tankmixes with products prohibiting spray additives):

NON-IONIC SURFACTANT (NIS):

Use NIS containing at least 75 percent surface active agent at 0.25-0.5% v/v (1/2 - 1 pint per 25 gallons) of finished spray volume (for selected regions only; consult label).

CROP OIL CONCENTRATE (COC):

Use a nonphytotoxic COC or a once-refined vegetable oil concentrate (VOC/MSO) containing 15-20 percent approved emulsifier at 0.5-1% v/v (1-2 pints per 25 gallons) of finished spray volume.





For more information, visit www.FarmAssist.com, www.Flexstar-Herbicide.com or call Syngenta Customer Center at 1-866-SYNGENT(A) (796-4368).
Learn more about managing against weed resistance at resistancefighter.com.

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