Convenient and Effective: Prefix Offers Best of Both Worlds

Prefix pre-emergence herbicide from Syngenta offers superior broadleaf weed and grass control, helping growers start the season right so they can capitalize on their crop's true yield potential. Starting with the 2008 growing season, Prefix is available as a premix formulation instead of a co-pack, saving growers time and labor during application. As a premix, Prefix is one of the most convenient and effective pre-emergence options available for controlling the most difficult weeds in soybeans. By providing timely control using two unique modes of action, Prefix is an ideal solution for both conventional and herbicide-tolerant soybean crops.

Confirmed Glyphosate-Resistant Weeds in the U.S.:

- Marestail
- Rigid ryegrass
- Italian ryegrass
- Common ragweed
- Palmer amaranth (Palmer pigweed)
- Common waterhemp
- Giant ragweed

With seven different glyphosate-resistant weeds confirmed in 16 different states, growers who rely on glyphosate alone may find their herbicide programs falling short of expectations. Offering two modes of action, Prefix is an essential tool for combating resistance in both conventional and glyphosate-tolerant soybean fields.

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Start the Season Right with Superior Weed Control from Prefix

For more information, visit www.farmassist.com/Crops/Soybeans, www.prefix-herbicide.com or call Syngenta Customer Center at 1-866-SYNGENTA (866-796-4368).

Important: Always read and follow label instructions before buying or using these products.

GS 407.35503 6/07

SCP 161-00004-A

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Prefix Benefits:

- Two modes of action to help fight against glyphosate- and ALS-resistance
- Shown to have excellent pre-emergence grass control
- Yield protection through control of highly competitive broadleaf weeds
- Widens the application window for glyphosate
- Convenient premix formulation
- Excellent crop safety

Problem Weeds Controlled by Prefix:

- Common ragweed
- Waterhemp
- Lambsquarters
- Foxtail *spp*
- Pigweed *spp*
- Palmer amaranth
- Smartweed *spp*
- Nightshade *spp*

An Essential Tool for Resistance Management

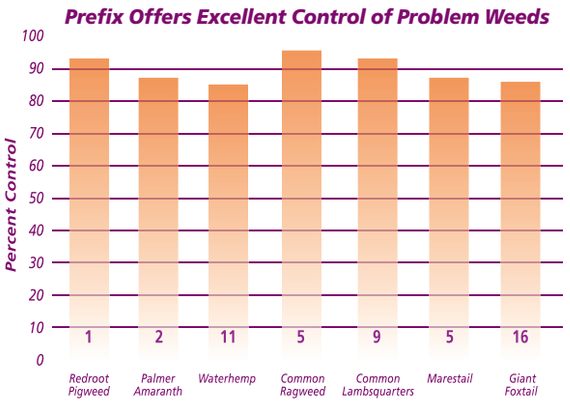
Prefix is a Resistance Fighter™ brand, meaning that Prefix added to your glyphosate-tolerant soybean program not only manages weeds more effectively, but also adds two different modes of action to help combat glyphosate resistance. Offered in an easy-to-use premix formulation, Prefix contains two proven chemistries, *S*-metolachlor and fomesafen, that protect yields by controlling highly competitive broadleaf weeds and grasses.

S-metolachlor is a shoot growth inhibitor that prevents normal cell development so weeds cannot grow, while fomesafen controls weeds by causing rapid browning and tissue destruction following exposure to sunlight. This combination provides a non-glyphosate, non-ALS herbicide option for controlling troublesome weeds like common ragweed, waterhemp and Palmer amaranth (Palmer pigweed), which are known to be resistant to multiple herbicide modes of action.

Early-Season Weeds Reduce Yields

According to Purdue University and The Ohio State University research, weeds that reach 9 and 12 inches in height can cause 6 and 10 percent yield losses, respectively. If soybeans were priced at $5 per bushel and a field had a 50 bushel-per-acre yield potential, a grower could lose $25 per acre if weeds were allowed to reach 12 inches in height – a price much higher than the investment in a residual herbicide, such as Prefix.

Even if growers achieve complete weed control with a post emergence herbicide program, early-season weed competition may have already reduced yields. The following chart shows the yield loss that can occur if weeds are allowed to compete with soybeans for moisture and nutrients early in the season.



Percent control offered by Prefix at 2 pt/A 27-37 days after application.
Trials conducted by Syngenta (2005-2006).
Number of trials conducted on each weed species indicated within control bar.

The graph above shows the superior control Prefix™ offers on problem weeds, including those showing increased tolerance or resistance to glyphosate.

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

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 competition from common, problem broadleaf and grass weeds can impact yield potential. As shown above, pigweed can cause a dramatic loss in yield – just 20 weeds per 100 feet of row can reduce soybean yields by 10 percent.