

Authority® Edge Herbicide

Introducing the new standard for residual control and resistance management.

SOYBEANS

Product Information:

Authority® Edge herbicide from FMC offers growers an optimized ratio of the industry's best Group 14 and Group 15 herbicides. This herbicide is built for growers with wide-ranging soil and field conditions from light soils to heavy, high organic matter soils. Authority Edge herbicide provides superior in-season residual control of pigweed and other small-seeded broadleaf weeds and excellent grass control.

The high ratio of sulfentrazone to pyroxasulfone – 1.8 to 1 – is key to the longer residual control of target weeds and grasses, lasting up to two weeks longer than competitors to allow for reduced postemergence treatments in-season.

Authority Edge herbicide can be applied preplant or preemergence up to three days after planting, but before emergence. Growers can then come back with a labeled rate of Anthem® MAXX herbicide early postemergence without exceeding maximum yearly use rates of pyroxasulfone*.

Quick Facts:

- Up to 14 days longer residual weed control than competitor preemergent herbicides.
- Ideal for growers with heavier textured soils and higher organic matter levels.
- Combines an optimal ratio of sulfentrazone (Group 14) and pyroxasulfone (Group 15) active ingredients.
- May be applied preplant, preemergence or up to three days after planting before emergence.
- Growers may follow-up with an application of other Group 15 herbicides like Anthem MAXX herbicide postemergence.
- Easy to use and mix liquid formulation with low use rates.
- Controls key weeds such as waterhemp, Palmer amaranth, kochia, lambsquarters, foxtails, barnyardgrass, and others.

*See product labels to determine the combination of rates to use in order not to exceed the allowed pyroxasulfone active ingredient per cropping year.



Key Weeds Controlled:

Waterhemp	Kochia
Palmer amaranth	Morningglory species
Spiny amaranth	Common purslane
Redroot pigweed	Prickly sida
Smooth pigweed	Hophornbeam copperleaf
Common lambsquarters	Pennsylvania smartweed

Key Grasses Controlled:

Fall panicum	Goosegrass
Barnyardgrass	Italian ryegrass
Foxtail species	Southwestern cupgrass
Crabgrass species	Prairie cupgrass
Broadleaf signal grass	Crowfoot grass
Canary grass	Annual bluegrass

Application Guidelines:

Authority® Edge herbicide can be applied preplant, preplant incorporated or preemergence up to three days after planting but before emergence.

Label:

Active Ingredients: Pyroxasulfone, Sulfentrazone.

Mode of action: Contains two modes of action: Pyroxasulfone, which acts to inhibit very-long-chain fatty acid synthesis, is a root and shoot inhibitor that controls susceptible germinating seedlings before or soon after they emerge from the soil. Sulfentrazone acts as a protoporphyrinogen oxidase (PPO IX) enzyme inhibitor.

Restrictions for Use in Soybeans:

Do not make more than two applications per year.

Do not apply within seven days if a second application is necessary.

On coarse soils: Do not apply more than a maximum cumulative amount of 9.42 fl. oz./A Authority Edge herbicide (0.313 lbs. ai/A containing 0.111 lbs. ai of pyroxasulfone and 0.202 lbs. ai/A of sulfentrazone) per year. Do not make more than two applications of Authority Edge herbicide per year when using reduced application rates equal or less than 4.7 fl. oz./A.

On medium and fine soils: Do not apply more than a maximum cumulative amount of 15.7 fl. oz./A of Authority Edge herbicide (0.521 lbs. ai/A containing 0.186 lbs. ai/A of pyroxasulfone and 0.335 lbs. ai/A of sulfentrazone) per year. Do not make more than two applications of Authority Edge herbicide per year when using reduced application rates equal or less than 7.8 fl. oz./A.

Please see product label for a complete list of restrictions.

Use Rates of Authority Edge Herbicide in Soybeans

ORGANIC MATTER %	COARSE	MEDIUM	FINE
PRE USE RATES - OUNCES / ACRE			
< 1.5	5.9-7.9	7.0-10.0	9.0-12.0
1.5-3.0	6.9-8.8	8.0-11.0	10.0-13.0
> 3.0	7.0-9.4	9.0-12.0	12.0-15.7

Use higher rates for soils of pH less than 7.2 and lower rates for pH greater than 7.2 within the rate range.

Weed Control in Soybean Trials, Murphysboro, IL - 42 DAA



Untreated



Authority Edge herbicide 8 fl. oz./A fb Select Max® herbicide 10 fl. oz./A + COC (1% V/V)

To learn more about Authority Edge herbicide, contact your retailer or visit FMCAGUS.COM/AUTHORITYEDGE.

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