# SUPPLEMENTAL LABELING

EXPANDED APPLICATION TIMING FOR USE IN NO-TILL OR CONSERVATION TILLAGE\*
SOYBEAN PRODUCTION IN THE STATES OF IA, IL, IN, KS, KY, MI, MO, NE, OH, OK, AND PA



EPA Reg. No. 279-3179

FMC Authority Broadlea<sup>th</sup> herbicide is recommended for fall burndown of existing vegetation and preemergence broadleaf weed control the following spring in no-till and conservation tillage soybean production systems in the states of Iowa†, Indiana, Illi-nois, Kansas, Kentucky, Michigan, Missouri, Nebraska, Ohio, Oklahoma, and Pennsylvania.

## **DIRECTIONS FOR USE**

- It is a violation of federal law to use this product in a mannerinconsistent with its labeling.
- Do not apply this product/through an irrigation system.
- For use in soybeans only and in soils with a composite pH of 6.8 or less.
- Do not graze treated fields or harvest forage for hay.

#### **Application Timing**

Authority Broadleaf® can be applied to no-till or conservation tillage fields anytime after the Fall harvest. DO NOT APPLY AUTHORITY BROADLEAF® TO FROZEN GROUND. Split applications of Authority Broadleaf® may be used as long as the full labeled rate for the geography is not exceeded.

## Application Equipment and Spray Volume

Apply uniformly by ground equipment using a property cali-brated fixed boom sprayer. Use 10-40 gallons per acre at 20-40 psi. For burndown applications over existing vegetation, use a minimum of 20 gallons per acre with spray nozzles that provide thorough spray coverage of the weeds to be burned down.

\* Conservation Tillage is defined as greater than or equal to 30% surface residue at the time of Authority Broadleaf® application.

†Except for use in the Clarion-Nicolett-Webster soils



FMC Corporation Agricultural Products Group Philadelphia PA 19103

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Soil Texture	Full season rate Planned sequential Rate (1.5 - 4% organic matter)	
Medium soils loam,siit loam, siit, sandy clay loam	5.8 - 6.8	3.6 - <b>4</b> .6
Fine soils silty day loam day loam, clay	5.8 - 7.9	3.6 - 5.1

#### WEEDS CONTROLLED

### Preemergence

- When used according to this label. Fall through early Spring application of 5.8 7.9 oz Authority Broadleafs will generally provide season-using control of the following weeds:
- Fall through early Spring application of 3.6 5.1 oz Authority Broadlea<sup>26</sup> will generally provide acceptable preemergence control of the following weeds through 2.3 weeks after normal planting dates. For season-long control following 3.6 5.1 oz Authority Broadleaf®, a planned PRE or POST sequential program is required.

Cocklebur \*\* Purselane speedwell Lambsquarters Ragweed, common Marestail Smartweeds, annual Pigweeds, redroot and smooth Velvetlea\*

Fall through early Spring applications of Authority Broadleaf® will provide partial control\*\* (suppression) preemergence of the following weeds:

Chickweed, common Nightshade, eastern black Crabgrass Nutsedge, yellow Fall Panicum Prickly Sida (teaweed) Foxtail species Ragweed, giant Jimsonweed Waterhemp, common, tall Morningglories (entireleaf, ivyleaf, tall)

"Subsequent flushes the following spring after soybean emergence may require an application of a posternergence harbicide for season-long control

ACCEPTED

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Under the Federal Insecticide. Pungicide. and Rodenticide Act. as amonded for the pesticide registered under EPA Reg. No. 279-3/79

#### Postemergence or Burndown Control of Existing Fall Weeds

Authority Broadleaf® applications in the Fall through early Spring will provide burndown control of certain broadleaf weeds no greater than 3" in height and annual grasses no greater than 1" in height.

To obtain burndown of the species tisted below, always use Authority Broadleaf® with 1% COC (1 gal crop oil concentrate per 100 gal final spray volume). A pint of 2,4-D may be added for extra control.

Annual grasses Marestail Bittercress, small flowered Pennycress **Bushy wallflower** Pepperweed Buttercup, smallflower Pigweed Catchweed bedstraw Ragweed Dandelion Shepherdspurse Deadnettle, purple, red Smartweed, annual Speedwell, field, purselane Garlic, wild Star-of-Bethlehem Henbits Tansy mustard Lambsquarters Lettuce, prickly Thistle, Canadian (above ground portion only) Velvetleaf

#### Chickweed burndown

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- For best results: add 0.08 0.33 oz DuPont EXPRESS® herbi-cide to the Authority Broadlea® for control of up to 6" chickweed. Addition of EXPRESS® will improve control of Canada thistle, Wild garlic, and winter annual mustards. EXPRESS® must be used at least 45 days prior to soybean planting.
- Alternatively, Sencon , LEXONE®, Roundup Ultra ± or glyphosate-containing products registered for soybeans may be used for Chickweed burndown.

To burndown the broadleaf weeds and annual grasses listed above when they exceed the recommended heights, Authority Broadleafs may be tankmixed with one or more of the following: Roundup Ultra. Bronco <sup>2</sup>, Gramoxone Extra <sup>3</sup>, Touchdown <sup>3</sup>, 2,4-D LVE. Sencor/LEXONE® or other glyphosate-containing products registered for soybeans. Always include crop oil concentrate at 1% v/v (1 gallon per 100 gallons of spray mix). When tankmixing with Roundup Ultra, Bronco, Touchdown, or other glyphosate-containing products, use a nonionic surfactant at 0.25% v/v (1 quart per 100 gallons spray mix). To select the proper burndown product, identify the weeds that need to be controlled and consult the product labels to determine which product is needed. Consult the companion burndown herbicide for use instructions, rates, precautions, restrictions, and crop rotations. When tankmixing, the most restrictive labeling applies.

## For Improved Grass Control

Authority Broadleaf® applied under the expanded application timing may not provide adequate season-long preemergence annual grass control. For improved season-long control, Authority Broadleaf® may be:

- followed, as needed, with posternergence grass herbicides such as Dupont ASSURE® II herbicide.
- followed, as needed, by preemergence grass herbicides such as Lasso \*, Dual Magnum \*, Dual Magnum II \*, Prowt \*, or Frontier \*

Refer to the preemergence or postemergence grass herbicide labels for specific information regarding use rates, pre-plant intervals, application timing, grasses controlled, crop rotations, and other restrictions and precautions.

#### IMPORTANT

BEFORE USING "AUTHORITY BROADLEAF", READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA-REGISTERED LABEL

This label contains new or supplemental instructions for use of this product that may not appear on the package label. Follow the instructions carefully.

This labeling must be in possession of the user at the time of the pesticide application.

### Dealers Should Sell in Original Packages Only.

**Terms of Sale or Use**: On purchase of this product buyer and user agree to the following conditions:

Warranty: FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by the buyer at his own risk.

**Use of Product:** FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

- FMC Authority, Authority Broadleaf, and Command-Trademarks of FMC Corporation
- Trademark of Bayer Corp.
- 2 Trademark of Monsanto Agricultural Products Co.
- 3 Trademark of Zeneca Inc.
- Trademark of Novartis
- Trademark of American Cyanamid Corp.
- Trademark of FMC Corp.
- \* Trademark of BASF

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