

# AUTHORITY<sup>®</sup> FIRST DF HERBICIDE

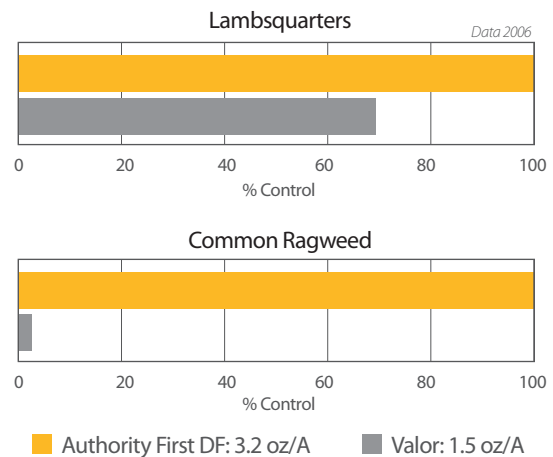
Spring Preemergence Treatment or Fall Application  
for a Clean Start in the Spring

## Product Characteristics

- Residual broadleaf foundation for soybean weed control for an early, clean start
- Dual mode of action helps prevent development of resistant weed populations
- Preemergence soil herbicide combined in your burndown program offers dual action to get fields off to a clean start
- Effective in no-till, minimum-till and conventional-tillage soybeans for maximum flexibility
- Outstanding residual start for a Roundup PowerMAX<sup>®</sup> program to help maintain yield potential

## Authority First DF vs Valor<sup>®</sup>

The Ohio State University



Authority First



Untreated



## Usage Recommendations

Application	Rate
Before Roundup PowerMAX application on Roundup Ready <sup>®</sup> soybeans	4.0 oz/A* (Equals 1/2 minimum full rates)
Full rates on conventional soybeans	6.45 to 8.0 oz/A*

\* See label for specific soil pH and organic matter use rate recommendations.

## Weed Spectrum

### Broadleaf Weed Control and Suppression

- |                           |                           |                             |                           |
|---------------------------|---------------------------|-----------------------------|---------------------------|
| • Amaranth, Palmer        | • Horseweed (marestail)** | -Red                        | • Pusley, Florida         |
| • Amaranth, spiny         | • Jimsonweed              | -Smallflower                | • Ragweed, common**       |
| • Anoda, spurred          | • Kochia                  | -Tall                       | • Ragweed, giant**        |
| • Beggarweed, Florida     | • Ladysthumb              | • Mustard, wild             | • Senna, coffee           |
| • Carpetweed              | • Lambsquarters, common   | • Nightshade, eastern black | • Sida, prickly (teaweed) |
| • Cocklebur, common       | • Mallow, Venice          | • Nightshade, hairy         | • Smartweed, Pennsylvania |
| • Copperleaf, hophornbeam | • Mexicanweed             | • Nightshade, silverleaf    | • Smellmelon              |
| • Croton, tropic          | • Morningglory:           | • Pigweed:                  | • Spurge, spotted         |
| • Daisy, American         | -Entireleaf               | -Redroot                    | • Starbur, bristly        |
| • Dayflower, common       | -Ivyleaf                  | -Smooth                     | • Sunflower, common**     |
| • Galinsoga, hairy        | -Palmleaf                 | -Tumble                     | • Thistle, Russian        |
| • Groundcherry, clammy    | -Pitted*                  | • Poorjoe                   | • Velvetleaf              |
| • Groundcherry, cutleaf   | -Purple                   | • Purslane, common          | • Waterhemp, tall         |

### Grass Weed Control and Suppression

- |                         |                        |                           |                  |
|-------------------------|------------------------|---------------------------|------------------|
| • Barnyardgrass*        | • Crabgrass, southern* | • Foxtail, yellow*        | • Panicum, fall  |
| • Broadleaf signalgrass | • Crowfootgrass*       | • Goosegrass              | • Panicum, Texas |
| • Crabgrass, large      | • Foxtail, giant*      | • Johnsongrass, seedling* |                  |
| • Crabgrass, smooth     | • Foxtail, green       | • Orchardgrass            |                  |

\*Indicates suppression or partial control only.

\*\*Will not control ALS-resistant biotypes of these weed species.

## No-till Burndown in Soybeans, University of Kentucky

Weed Control - 25 days after planting

