AUTHORITY® MTZ DF
HERBICIDE

Fall Burndown or Spring Preemergence Application with Flexi-Crop Advantage™

Product Characteristics

- Broad-spectrum control of tough winter weeds
- Controls glyphosate- and ALS-resistant weeds
- Uses multiple modes of action
- Tank mixes easily with Roundup PowerMAX® herbicide or preemergence grass control products
- Residual control fits fall application timing
- Provides maximum crop rotational control to meet spring needs
- Compatible with no-till
- Can be used in conventional and Roundup Ready® soybeans

Application Guidelines

Fall Application of Roundup Ready Soybeans

- Applied in the fall to no-till or conservation tillage fields, Authority® MTZ DF will control/suppress early-season weed flushes through planting or May 1
- Authority MTZ DF at 10–14 oz/A
- After Oct. 15 – when soil temps below 55°
- Apply with burndown herbicide for emerged weeds
- COC, MSO for maximum burndown performance
- 2,4-D 1pt and 2,4-D 1pt + Express® herbicide 0.1 oz/A (chickweed)
- Roundup PowerMAX – 0.75–1.0 lb ai (emerged grasses)
- 15 GPA, 30 psi minimum for adequate spray coverage

Authority MTZ DF 12 oz/A PRE;
Roundup PowerMAX herbicide applied
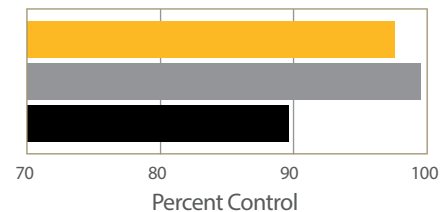V-3 NCSU Coastal Plain Exp. Sta.

Untreated Check - Glyphosate-
Resistant Palmer Pigweed
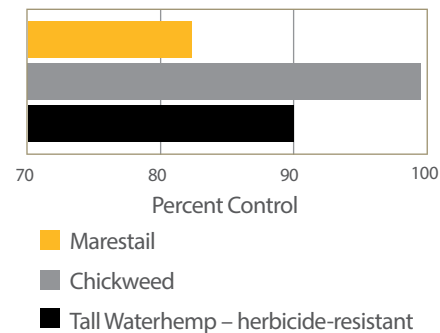NCSU Coastal Plain Exp. Sta.

Southern Illinois No-Till Weed Control Study

Synergistic activity of Authority MTZ and paraquat provides outstanding burndown performance on ALS- and glyphosate-resistant weed biotypes at an economical price.

Authority MTZ 10 oz/A + 2,4-D 1 pt/A + Gramoxone Inteon® herbicide 48 oz/A + AMS 2.5 lbs/A

Percent Control

Valor® XLT herbicide 3 oz/A + Rage D-Tech 12 oz/A + Roundup® herbicide 32 oz/A + AMS 2.5 lbs/A

Percent Control

■ Marestail
■ Chickweed
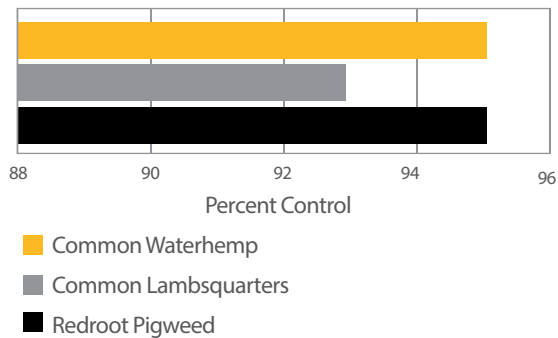■ Tall Waterhemp – herbicide-resistant

Rotational Crop Guideline

Crop(s)	Rotation
Wheat, Barley	4 months
Corn (Field and Seed), Rice	10 months
Field Corn (less than 14 oz/A)	4 months
Cotton, Peanuts, Tobacco, Alfalfa, Sunflower, Other Cereal Grains	12 months
Sorghum (less than 20 oz/A)	12 months
Sweet Corn	18 months

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Application Guidelines

Spring Application of Roundup Ready® Soybeans

- Applied in the spring, Authority® MTZ DF will control early-season weed flushes to reduce competition, and allow for timely Roundup PowerMAX® herbicide applications to control emerged weeds

- Flexible timing

- Early preplant – zero to 30–45 days before planting

- Preemergence – up to three days after planting

- Preplant incorporated

- Tank mix with burndown herbicide like 2,4-D or Roundup PowerMAX for burndown plus residual punch

Authority MTZ DF Research Evaluations
(50 DAT, 40 days after planting) 10 oz/A rate

Percent Control

- 🟨 Common Waterhemp
- ⬜ Common Lambsquarters
- ⬛ Redroot Pigweed

Weed Spectrum

Broadleaf Weeds

- Amaranth, Palmer
- Carpetweed
- Henbit
- Kochia
- Lambsquarters, Common
- Morningglory
- Nightshade, Eastern Black
- Nutsedge, Yellow
- Panicum, Fall
- Pigweed, Redroot
- Prickly Sida
- Purslane, Common
- Ragweed, Common
- Smartweed, Pennsylvania
- Thistle, Russian
- Velvetleaf
- Waterhemp
  - Common
  - Tall

Standard Rate Program – Conventional Soybeans or in Glyphosate-Resistant Acres
(Fall, Early Preplant, PPI, Preemergence)

Broadcast Rate (oz/A)	When glyphosate-resistant acres exist use: Soil Texture		
% Organic Matter	Coarse	Medium	Fine
1.0 – 2.0%	12.0 – 14.0 oz/A	14.0 – 16.0 oz/A	16.0 – 18.0 oz/A
2.0 – 4.0%	14.0 – 16.0 oz/A	16.0 – 18.0 oz/A	18.0 – 20.0 oz/A

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