

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[®] 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[®] 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 applied V-3
NCSU Coastal Plain Exp. Sta.

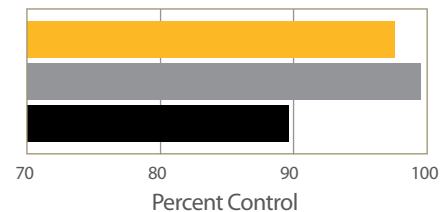


Untreated Check - Glyphosate-
Resistant Palmer Pigweed
NCSU Coastal Plain Exp. Sta.

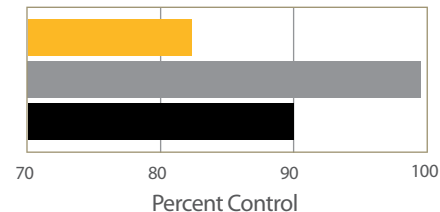
Southern Illinois No-Till Weed Control Study

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[®] 48 oz/A + AMS 2.5 lbs/A



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



- 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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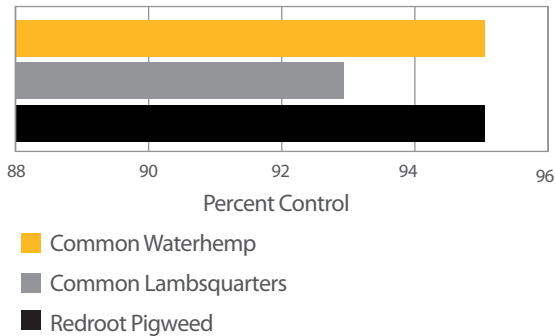


Application Guidelines

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[®] 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



Reduced Rate Program – Roundup Ready Soybeans

(Fall, Early Preplant, PPI, Preemergence)

Broadcast Rate (oz/A)	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
1.0-2.0%	8.0 oz/A	8.0-10.0 oz/A	10.0-12.0 oz/A
2.0-4.0%	8.0-10.0 oz/A	10.0-12.0 oz/A	12.0-14.0 oz/A

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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
- Russian thistle
- Smartweed, Pennsylvania
- Velvetleaf
- Waterhemp, tall and common

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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