



January 31, 2017

Special Duty Burndown Tankmixes for Soybeans

- ✓ Paraquat fits in burndown tankmixes due to lower cost and planting flexibility
- ✓ Paraquat (PS I Electron diverter) + Triazine (PS II inhibitor) i.e. metribuzin synergistic mode of action controls herbicide resistant weeds: Marestail, Palmer Pigweed, Ragweeds, Waterhemp and Others.
- ✓ Paraquat + metribuzin + 2,4-DB has no planting restrictions with 3 effective modes of action.
- ✓ For best results use COC 1% v/v, coverage is critical adjust spray volume according to label directions.

SOYBEANS - No-Till, Reduced Till, Stale Seed Bed, freshening up conventional till, PRE-PLANT up to PLANTING & PRE-Emergence.

1. AUTHORITY® Brand herbicide + Liberty® herbicide 29 oz or more + AIM® EC herbicide 1 oz (optional) + AMS 3 lbs applied Pre-Plant, At-Plant or Pre-emergence up to 3 days after planting. This Burndown controls emerged herbicide resistant weeds such as marestail under cooler conditions better than Liberty applied alone. Authority Brand herbicide provide soil residual control of many broadleaves and grasses including Glyphosate / ALS resistant weeds.

2. AUTHORITY® MTZ DF herbicide 12-16 oz + Gramoxone Inteon® herbicide 2 to 4 pt OR Gramoxone® herbicide 2 to 4 pt OR Gramoxone® SL herbicide 2 to 4 pt + AIM EC herbicide 1 oz (optional) + COC 1% v/v or NIS 0.25% v/v, AMS may be added to enhance burndown activity; applied Pre-Plant, At-Plant or Pre-emergence up to 3 days after planting. Authority MTZ DF herbicide 14 oz rate contains metribuzin 75DF herbicide 5 oz, when combined with Paraquat 32 oz or higher labeled rate will burndown larger sized weeds or makes weeds less competitive, and provides excellent soil residual weed control or Glyphosate / ALS resistant weeds.

3. AUTHORITY® Brand herbicide + AIM EC herbicide 1 oz (optional) + metribuzin 75DF herbicide 5 oz (See Label for Rate) + Gramoxone Inteon herbicide 2 to 4 pt OR Gramoxone herbicide 2 to 4 pt OR Gramoxone SL herbicide 2 to 4 pt + COC 1% v/v, AMS may be added to enhance burndown activity, applied Pre-Plant, At-Plant or Pre-emergence up to 3 days after planting. Will control newly emerged small broadleaf weeds, see label. May control/suppresses Glyphosate / ALS resistant weeds. Will control small grasses. Provides broad-spectrum control of many weeds at burndown and residual control of resistant weeds.

4. AUTHORITY® Brand herbicide + AIM EC herbicide 1 oz (optional) + Butyrac® 175 herbicide 0.8 to 0.9 pt/A OR Butyrac® 200 herbicide 0.7 to 0.9 pt/A + Gramoxone Inteon herbicide 2 to 4 pt OR Gramoxone herbicide 2 to 4 pt OR Gramoxone SL herbicide 2 to 4 pt + AMS 2.5 lbs/A + NIS 0.25% v/v, applied Pre-Plant, At-Plant or Pre-emergence up to 3 days after planting. Will control newly emerged small broadleaf weeds and grasses, see label. Has shown good control of Glyphosate / ALS resistant weeds.



Inside This Issue

Special Duty Burndown Tankmixes for Soybeans

Authored by
Dr. Joseph P. Reed FMC
Tech Service Mgr
Midwest Region
Eastern Corn Belt
(217) 649-3249

• Stu Throop FMC Western MI RMM (443) 271-4191

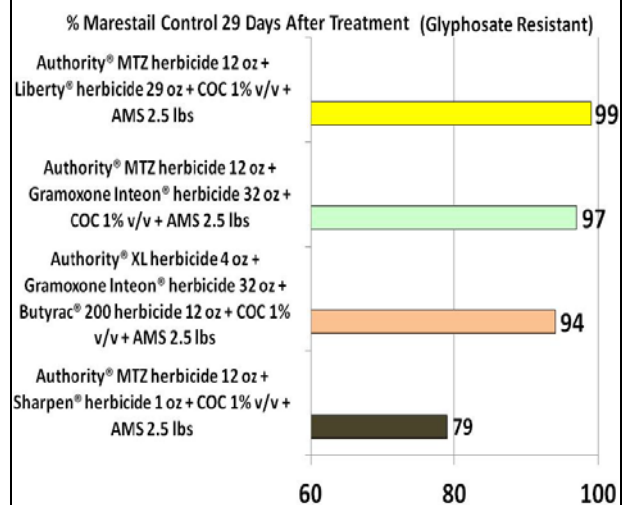
• Lisa Stiles FMC Southeast MI. (989) 780-2032

• Ryan McDaniel FMC Ohio RMM (937) 605-7204

FMC

2012 Percent Marestail Control Selected Spring Treatments

(Data Courtesy Dr. William Johnson - Purdue University - W. Lafayette, IN)



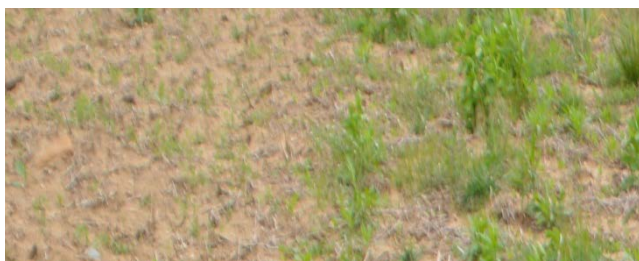
HatchTrakSM

January 31, 2017

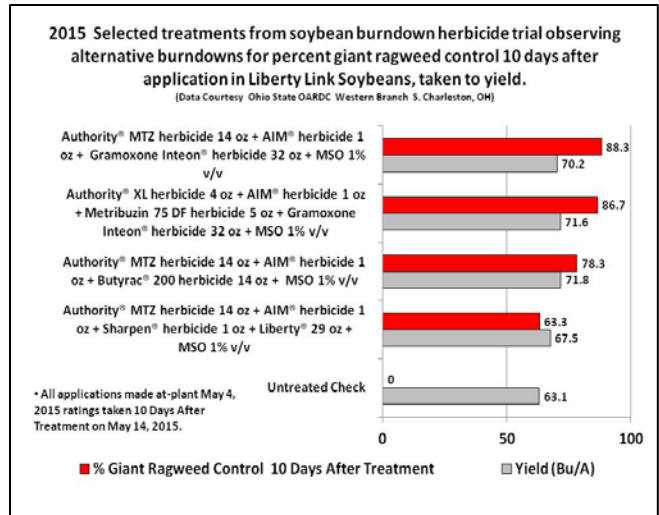
Special Duty Burndown Tankmixes for Soybeans



RIGHT: Untreated Check
LEFT: Authority[®] MTZ DF herbicide 14 oz + Gramoxone[®] SL herbicide 32 oz + COC 1% v/v + AMS 2.5 lbs Provided thorough burndown of chickweed, marestail, curly dock and ragweeds, ready to plant.



RIGHT: Untreated Check
LEFT: Authority[®] XL herbicide 4 oz + metribuzin 75 DF product 6 oz + Parazone[®] 32 oz + COC 1% v/v + AMS 2.5 lbs applied for "freshening up" conventionally tilled field after prolonged period of precipitation, excellent burndown and residual control of marestail, ragweeds and grasses.



Authority MTZ DF herbicide 14 oz + Gramoxone SL herbicide 40 oz + Butyrac 200 herbicide 12 oz + COC 1% v/v + AMS 2.5 lbs applied at planting controlling 4 inch tall marestail, smaller pigweeds and bushy wallflower with excellent crop safety.

Always read and follow label directions. NOTE REGARDING RESTRICTED USE PESTICIDES: Anthem ATZ herbicide; Athena insecticide, Brigade 2EC Insecticide/Miticide, Brigade WSB Insecticide/Miticide, Brigadier Insecticide Capture 3RIVE 3D insecticide, Capture LFR Insecticide, Declare insecticide, Hero Insecticide, Mustang Insecticide, Mustang Maxx Insecticide, Pounce 25WP Insecticide, Stallion Brand Insecticide, Temity LFR Insecticide/Fungicide, Triple Crown Insecticide, Ethos XB Insecticide/Fungicide and Gladiator Insecticide/Miticide are **Restricted Use Pesticides**. NOTE FOR CALIFORNIA: Accurate Extra herbicide, Aim herbicide, Aim EC herbicide, Aim EW herbicide, Anthem herbicide, Anthem ATZ herbicide, Anthem Flex herbicide, Anthem MAXX herbicide, Authority Assist herbicide, Authority Elite herbicide, Authority First DF herbicide, Authority MAXX herbicide, Authority MTZ DF herbicide, Authority XL herbicide, Cadet herbicide, Chisum Herbicide, Command 3ME microencapsulated herbicide, Crusher Herbicide, Edition Broadspec herbicide, Edition Tankmix Herbicide, Marvel herbicide, Nimble Herbicide, Nuance Herbicide, Preemptor SC fungicide, Report Extra Herbicide, Solstice herbicide, Spartan 4F herbicide, Spartan Charge herbicide, Spartan Elite herbicide, Temity LFR Insecticide/Fungicide, Topguard EQ fungicide, Zeus Prime XC herbicide, Zeus XC herbicide, Capture 3RIVE 3D insecticide, Ethos XB Insecticide/Fungicide, Hero Insecticide, Mustang Maxx Insecticide, Display cotton harvest aid, Zoro Miticide and VGR Soil Amendment are **not registered for sale or use in California**. VGR Soil Amendment is not a pesticide. Beleaf and Carbine are trademarks of Ishihara Sangyo Kaisha, Ltd. Cercobin is a trademark of Nippon Soda Co., LTD. Sovran is a registered trademark of BASF. FMC, 3RIVE 3D, Accurate, Aim, Anthem, Athena, Authority, Brigade, Brigadier, Cadet, Capture, Chisum, Command, Crusher, Declare, Display, Ethos, Preemptor, Fracture, Fyfanon, Gladiator, Hero, Koverall, LFR, Marvel, Mustang, Nimble, Obey, Pounce, Report, Rhyme, Rovral, Shark, Solida, Solstice, Spartan, Stallion, Temity, Topguard, Topguard Terra, VGR and Zeus are trademarks and HatchTrak and Investing in farming's future are service marks of FMC Corporation or an affiliate. ©2016 FMC Corporation. All rights reserved. 11/16

Paraquat Gramoxone Inteon, Gramoxone, Parazone SL are Restricted Use Pesticides. Gramoxone Inteon and Gramoxone are registered trademarks of Syngenta. Butyrac is a registered trademark of Albaugh, Inc., Parazone is a trademark of Adama.