

# HatchTrak<sup>SM</sup>

April 13, 2017



## COMMAND<sup>®</sup> 3ME Microencapsulated Herbicide Plus AUTHORITY<sup>®</sup> MTZ DF Herbicide Soybean Pre-Emergence Tank Mix – Second to None



A novel tank mix for addressing unique weed control demands

- Combines the excellent grass activity of Command 3ME herbicide with superior broadleaf control of Authority MTZ DF herbicide
- Apply Command 3ME Microencapsulated herbicide + Authority MTZ DF herbicide prior to crop and weed emergence for residual control
- Follow up with post-emergence herbicide program or overlapping residuals
- Several effective modes of action to increase efficacy, combat herbicide resistant weeds as an effective resistant management tool

Weed control ratings for Command 3ME Microencapsulated herbicide 2 pt/A, Authority MTZ DF herbicide 12 – 14 oz./A and Command 3ME Microencapsulated herbicide 1 – 1.5 pt/A + Authority MTZ DF herbicide 12-14 oz. pre-emergence [PRE] and crop rotation intervals (months)

Weeds Controlled / Suppressed	Command 3ME Microencapsulated herbicide 2 pt [PRE]	Authority MTZ DF herbicide 12 – 14 oz. [PRE]	Command 3ME Microencapsulated herbicide 1 to 1.5 pt + Authority MTZ DF herbicide 12 - 14 oz./A [PRE]
Barnyard Grass	E	F-S	E
Crabgrass (large & smooth) & Goosegrass	E	F-S	E
Foxtail (Giant, Green, Robust, Yellow)	E	F-S	E
Common Ragweed	F - S	F	F-G
Kochia	P	E	E
Lambsquarters	G-E	E	E
Morningglories	P	G-E	G-E
Pigweeds (Palmer, Redroot, Smooth, Spiny)	NC	E	E
Velvetleaf	G-E	E	E
Waterhemp (C. & Tall)	NC	G-E	E
Smartweed (ladysthumb, Pennsylvania)	G-E	G-E	E
Yellow Nutsedge	NC	E	E
Corn Rotation Interval	9 months	4 months	9 months
Soybean Rotation Interval	Anytime	Anytime	Anytime
Wheat Rotation Interval	12 months	4 months	12 months
Sugar Beet Rotation Interval	9 months	24 months w/ successful bioassay – otherwise 36 mo.	24 months w/ successful bioassay – otherwise 36 mo.
Potato & Dry Bean Rotation Interval	9 months	12 months	12 months
Sunflower Rotation Interval	16 months	12 months	16 months

### Inside This Issue

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

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

• Lisa Stiles  
Southeast MI  
(989) 780-2032

• Ryan McDaniel  
Ohio RMM  
(937) 605-7204



### Application Parameters

- ✓ In no-till soybeans apply appropriate burndown tank mix partners.
- ✓ Command 3ME Microencapsulated herbicide can be mixed with other herbicides, insecticides, or liquid fertilizer.
- ✓ Before application determine air movement and direction.
- ✓ Do not apply in winds above 10 mph.
- ✓ Refer to individual crop use directions and the Spray Drift Management Section of the Command 3ME Microencapsulated herbicide & Authority MTZ DF herbicide label for additional instructions.

# HatchTrak<sup>SM</sup>

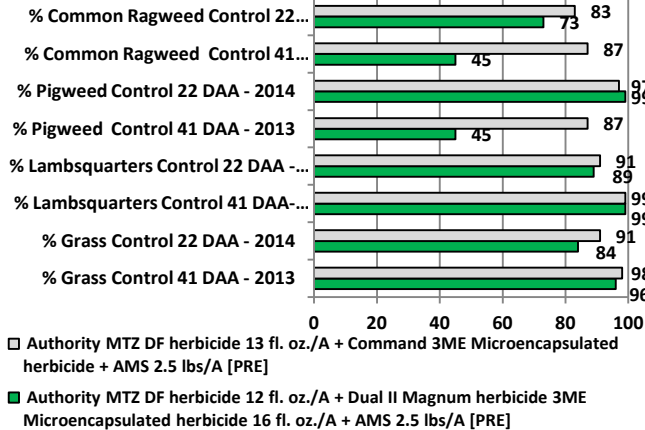
April 13, 2017



## COMMAND<sup>®</sup> 3ME Microencapsulated Herbicide + AUTHORITY<sup>®</sup> MTZ DF Herbicide Soybean Pre-Emergence Tank Mix for Non-GMO, Roundup Ready<sup>®</sup> and LibertyLink<sup>®</sup> Soybeans

**2013-14 Summary of Authority MTZ DF herbicide tankmix treatments comparing Command 3ME Microencapsulated herbicide versus Dual II Magnum<sup>®</sup> herbicide as tankmix partners in Non-GMO herbicide program for weed control**

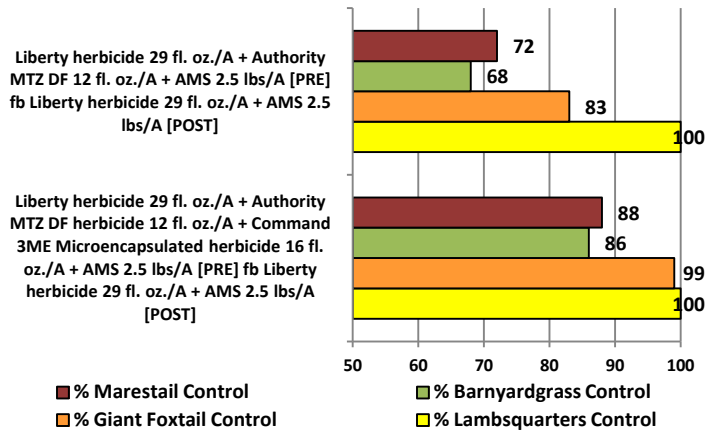
(Data Courtesy Michigan State University – East Lansing, MI)



**2016 Selected treatments from No-till Liberty herbicide trial showing improved weed control by adding Command 3ME Microencapsulated herbicide (16 oz.) to Authority MTZ DF herbicide (12 oz.) pre-emergence application in a LibertyLink Soybean program**

2016 (Data Courtesy Ohio State – OARDC Western Branch, S. Charleston, OH)

**% Weed Control 48 Days After PRE application (before POST application)**



**73 Bu/A**  
[PRE]  
Command 3ME Microencapsulated herbicide 1 pt/A + Authority MTZ DF herbicide 13 fl oz./A  
[POST]  
Liberty<sup>®</sup> herbicide 29 fl oz./A + AMS 2.5 lbs/A



**12.5 Bu/A**  
Untreated Check  
Note heavy Common Ragweed, Lambsquarters, Pigweed and Grass Pressure.  
2016 Michigan State Univ.



**56 Bu/A**  
[PRE]  
Command 3ME Microencapsulated herbicide 21 pt/A + Authority MTZ DF herbicide 14 fl oz./A  
[POST]  
Roundup PowerMax<sup>®</sup> herbicide 32 fl oz./A + AMS 2.5 lbs/A



**19 Bu/A**  
Untreated Check  
Note heavy Common Ragweed, Pigweed and Grass Pressure.  
2015 Ohio State Coop. Ext. Minerva, OH

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, Temtry 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, Temtry 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, Edition, Ethos, Preemptor, Fracture, Fyfanon, Gladiator, Hero, Koverall, LFR, Marvel, Mustang, Nimble, Obey, Pounce, Report, Rhyme, Rovral, Shark, Solida, Solstice, Spartan, Stallion, Temtry, 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

Roundup Ready and Roundup PowerMAX are trademarks of Monsanto Technology LLC; Liberty and LibertyLink are trademarks of Bayer Crop Science.