



Introducing Two New Herbicides from FMC



FMC is pleased to announce the recent EPA registrations of two new herbicides for use starting in this fall. Authority MTZ is a new combination of sulfentrazone for soybeans that offers some unique benefits to growers for fall and spring applications.

Rage D-Tech is a new herbicide that takes the benefits of carfentrazone and combines them with 2,4-D ester to create a new level of activity for preplant burndown, postemerge, and post-harvest weed control in multiple crops.

Authority MTZ

Here is a quick rundown of Authority MTZ specifics and recommendations:

- Combination of sulfentrazone (*Spartan, Authority*) + metribuzin (*Sencor*) in a 45% active DF formulation.
- Contains 0.18 lb of sulfentrazone + 0.27 lb of metribuzin per pound of product.
- Use rates from 8-14 oz/A for RR soybeans. 12-20 oz/A for conventional / non-RR soybean programs.
- Labeled for Fall or Spring application.
- **Flexi-Crop Advantage** - Corn, Soybeans, and some Small Grains may be planted 4 months after Authority MTZ application of 14 oz/A or less. Keeps planting intentions open into spring even after Authority MTZ is applied the previous fall.

Inside This Issue

- NEW HERBICIDES INTRODUCED
 - Authority MTZ
 - Rage D-Tech
- End of Season Notes

Gail Stratman

Technical Support Specialist
Mobile: 402-430-3515
Gail_Stratman@fmc.com

Retail Market Managers

Steve Freach -316-619-7486

Gary Vaupel - 785-826-0098

Rob Warren - 402-639-6805

Tom Becker -816-550-6021

Dan Smydra - 308-750-6340



HatchTrakSM

Authority MTZ features– cont.

- Weed strengths include waterhemp, lambsquarter, mornigglories, black nightshade, pigweeds, kochia, Russian thistle, smartweed, including ALS and Triazine resistant biotypes.
- Metribuzin adds increased level of burndown activity on emerged weeds like henbit, mustards, dandelion.
- Apply in fall, gain benefits of residual control through planting to keep fields cleaner in spring allowing faster drying, earlier planting, less subsoil moisture loss to weeds and more available for crop use.

Recommended Treatments – Fall Application

1. Authority MTZ 10 oz + Rage D-Tech 8-16 oz + COC

- Excellent burndown on winter annuals plus residual on early emerging weeds through planting time.
 - Great early season residual of Authority for waterhemp, lambsquarter, nightshade, kochia, suppression of early grasses.
 - Add glyphosate at 16-32 oz or Express at 0.1 oz for chickweed infestations.
- Apply after Oct. 15 or when soil temps are below 55° F to maximize spring residual and minimize microbial degradation in fall.
 - Use 15-20 GPA with excellent coverage to get best control of emerged winter annuals, especially in heavy residue.



Missouri
4/2007



Untreated vs Authority MTZ + Rage D-Tech

Authority MTZ 11 oz + Rage D-Tech



Untreated



Authority MTZ 11 oz + Rage D-Tech



Rage D-Tech – 4.06 EC



- ✓ Combination of active ingredient carfentrazone (Aim EW) + 2,4-D ester.
- ✓ Contains 0.13 lb of carfentrazone + 3.93 lb ae of 2,4-D acid per gallon.
- ✓ Use rates from 0.5 pt/A up to 2.0 pt/A depending on crop to be planted or for in-crop use.
- ✓ 0.5 pt rate = 0.5 oz Aim + 0.5 pt 2,4-D LV4 ; 1.0 pt rate = 1.0 oz Aim + 1.0 pt 2,4-D LV4
- ✓ Preplant Burndown Crops – Corn, Soybeans, Sorghum, Small Grains, Grasses.
- ✓ Excellent control of winter annuals with both fall and spring applications. Henbit, marestail, f. pennycress, shepardspurse, tansymustard, P. lettuce, dandelion, others.
- ✓ Open crop rotation, plant back flexibility. Plant-back restrictions from 3-30 days depending on crop and use rate.
- ✓ Postemerge Uses – Corn, Sorghum, Small Grains (Wheat, Barley, Oats, Rye), Grasses / Pasture, Non-crop Fallow.
- ✓ Harvest Aid Labels – Corn, Small Grains, Grasses. Excellent for Morningglory, Bindweed, Velvetleaf. Apply from Hard Dough / Dent stage up to 3 days before Harvest.

Recommended Treatments – Fall Application for Winter Annual Control.

1. Rage D-Tech 12-16 oz/A + COC

- a. Excellent low cost program to take out winter annual weeds before they get established heavy. Save soil moisture, prevent drying out of topsoil, ridges, plant earlier next spring with better moisture conservation.

2. Rage D-Tech 8-16 oz + glyphosate 24-32 oz + AMS

- a. Glyphosate adds additional broadleaf control as well as winter grasses like foxtail barley, Carolina foxtail, downy brome, chickweed.
- b. Add NIS at 0.5% v/v if using a non-adjuvant loaded glyphosate formulation.

3. Rage D-Tech 12-16 oz/A + Express 0.1 oz + COC

- a. Express DF added for chickweed control in problem areas.

Rage D-Tech 16 oz + COC: Hall Co. – NE: Treated 10/30/06.

Photos 4-16-07: Henbit, Dandelion, Mustards





Authority First – Fall Application added to Label.

- A 2ee label recommendation has been issued for Authority First herbicide for application in the fall ahead of soybeans in 2008.
- Application rate is 3 to 4 oz/A.
- Authority First when combined with Rage D-Tech, 2,4-D ester, or other burndown herbicides provides excellent burndown of winter annuals with residual for early emerging summer annuals next spring.
- Authority First which contains chloransulam would be a good choice especially where marehail is an issue as it provides additional control on top of the burndown herbicide to control this tough weed.
- **For a copy of any of these labels on new or old products, contact your FMC RMM, Tech Support Spec., or go to www.cropsolutions.fmc.com**



Capture LFR, Hero – End of Season Notes

As growers start harvesting fields, make sure that they take note of their final plant populations and ear counts which play a big role in putting yields over-the-top. As we have seen for many years, Capture and now Capture LFR provide early season insect protection that increase plant stands and plant uniformity that is rarely equaled or beaten by standard seed treatments. A lot of things happen from crop emergence up until when the combines finally roll through the field, but if the plant stands are not there from the start, yields will not be there in the end, no matter what the hybrid is.

As growers look at yield comparisons across their farm, take note of where Capture LFR was used and how much that added to the final yield. In most cases, Capture LFR returns is cost many times over and is one of the growers best investments. We have had some good results come in already from harvested areas to the south with Capture LFR, Hero, Brigade. If anyone has a story to share, be sure and drop us an e-mail. We would love to hear from you during the fall.

