Monsanto and BASF have finally received US EPA clearance for Xtendimax™ and Engenia™ herbicides for use on Roundup Ready 2 Xtend® (dicamba tolerant) soybeans.

Authority® Brands herbicides are the perfect residual partners for maximum control of difficult weeds and resistance management to preserve the effectiveness of dicamba tolerant technology into the future.

The Xtendimax™ and Engenia™ herbicide labels carry a list of best weed management practices that include using a preemerge residual herbicide or cultural (tillage) practices as part of a complete weed control system. The labels also stress spraying weeds 4” or less in height. This may be best achieved with the use of an Authority Brand preemerge herbicide to control the most difficult early weeds and suppressing any weeds that escape so the post application can be timed to small weeds more easily. An Authority Brand herbicide used as a preemerge base reduces the risk of weeds getting beyond the optimum control height if adverse weather conditions interrupt or delay the post application.

Xtendimax and Engenia herbicides are reduced-volatility dicamba formulations and the only dicamba brands approved for use on dicamba tolerant soybeans. Both the Xtendimax and Engenia herbicide labels carry many application precautions and specific use requirements to prevent off target movement. Read and abide by the label directions. Several states may enforce more stringent requirements, so please read and understand any additional regulatory requirements in your area.

See the next page for research data supporting Authority Brand herbicides in dicamba tolerant soybean weed control systems.
This was a research project. Ordinary glyphosate or dicamba formulations are not registered for commercial use on dicamba-tolerant soybeans.
FMC in-house trial
York Co. Nebraska 2016

Rapid Weed Growth/Competition.

Untreated Check

June 13
(3 weeks after plant)
Waterhemp 3-6”

June 20
(4 weeks after plant)
Waterhemp 6-24”

July 5
(6 weeks after plant)
Waterhemp 24-38”

Without a PRE, rapid weed growth due to warm conditions.

Critical Window for Weed Control on small weeds closes very fast when weeds are left unchecked.

Importance of PRE Herbicides (2016 FMC – Nebraska).
Auxin herbicides (dicamba, 2,4-D, others) are size sensitive for optimal control. Spray weeds 4” or less in size.
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, Ethan XB Insecticide/Fungicide and Gladiator Insecticide/Miticide are Restricted Use Pesticides. NOTE FOR CALIFORNIA: Accurate Extra herbicide, Aim EC herbicide, Anthem herbicide, Anthem ATZ herbicide, Anthem Flex herbicide, Anthem Max herbicide, Authority Assist herbicide, Authority Elite herbicide, Authority First DF herbicide, Authority Max 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, Report Extra Herbicide, Solstice herbicide, Spartan 4F herbicide, Spartan Charge herbicide, Spartan Elite herbicide, Zeus Prime XC herbicide, Zeus XC herbicide, Capture 3RIVE 3D insecticide, Ethan XB Insecticide/Fungicide, Hero Insecticide, Mustang Maxx Insecticide, Toeguard Terra Fungicide, Toeguard Fungicide Specialty Crops fungicide, Display cotton harvest aid are not registered for sale or use in California. 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, Capture, Cadet, Chisum, Command, Crusher, Declare, Display, Edition, Ethos, Preemtior, Fracture, Fyfanon, Gladiator, Hero, Koverall, LFR, Marvel, Mustang, Nimble, Obey, Pounce, Report, Rhyme, Rovral, Shark, Solida, Solstice, Spartan, Stallion, Toeguard, Toeguard Terra 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. 10-29-15

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