

June 6, 2017



A TALE OF TWO FIELDS – Unintended Consequences

Very Delayed Soybean Planting After No-Till Soybean Burndown

This situation started as a no-till burndown applied April 6, 2017, glyphosate 32 oz./A + 2,4-D LVE 1 pt + Boundary[®] 6.5 EC herbicide 1.5 pt./A (metolachlor 1 pt./A + metribuzin 75 DF 5 oz./A) + AMS 2.5 lbs/A + NIS 0.25% v/v. Weed control broke on April 25, 2017, disked on May 11, 2017 to control small marestail. Weeds present are lambsquarter, foxtail, pigweed, velvetleaf and nightshade.

So let's look at our options:



Option # 1

Want to Plant Immediately or Plant and Spray no later than 3 days after planting.

✓ **Plant LibertyLink Soybeans assuming there are PPO herbicide resistant weeds, i.e. waterhemp and / or Palmer pigweed.**

A.) Gramoxone[®] herbicide 44-48 oz./A + metribuzin 5-6 oz./A (Spray 10 am – 2 pm, high light intensity, good coverage 15-20 gpa, medium sized droplets)
+ Authority[®] Maxx herbicide 5 oz., Authority[®] First DF herbicide 4-5 oz./A, Authority[®] XL herbicide 4-5 oz./A, Anthem[®] MAXX herbicide 3.25-4 oz. + COC 1% v/v + AMS.

B.) Gramoxone herbicide 44-48 oz./A + Authority MTZ DF herbicide 14-16 oz./A + COC 1% v/v + AMS.

C.) Liberty[®] 280 herbicide 32 oz./A + metribuzin 5-6 oz./A (Spray 10 am – 2 pm, high light intensity, good coverage 15-20 gpa, medium sized droplets, high quality AMS) + Authority Maxx herbicide 5 oz./A, Authority First DF OR XL herbicide 4-5 oz./A, Authority Elite herbicide 25-30 oz./A + COC 1% v/v + AMS.

D.) Liberty 280 herbicide 32 oz./A + Authority MTZ DF herbicide 14-16 oz./A + COC 1% v/v + AMS

E.) Liberty 280 herbicide 32 oz./A + Anthem MAXX herbicide 3.25-4 oz./A + metribuzin 5-6 oz./A + COC 1% v/v + AMS

WHY LIBERTYLINK[®] SOYBEANS?

1. **Effective Mode of Action**
2. **Herbicide Resistance Management**
3. **No Buffer Restrictions**
4. **Easy To Use And Cleanout**

Option # 2

Soybeans Emerged – LibertyLink Soybeans

A.) Liberty 280 herbicide 29 oz./A + Anthem MAXX herbicide 3–4 oz./A + AMS (Spray 10 am – 2 pm, high light intensity, good coverage 15-20 gpa, medium sized droplets, high quality AMS)

* Use Higher Liberty[®] herbicide rate for Giant ragweed, marestail, Palmer pigweed and tall waterhemp.

Option # 3

Soybeans Emerged – Roundup Ready[®] NO emerged marestail, NO Palmer pigweed, & NO tall waterhemp.

Glyphosate 1.125 lb ae/a + Anthem MAXX herbicide 3-4 oz./A + AMS

*Add Classic[®] herbicide 1 oz./A OR Firstrate[®] herbicide 0.3 oz./A OR Flexstar[®] herbicide 1 pt./A if cocklebur or giant ragweed is of concern.

Option # 4

Soybeans Emerged – Roundup Ready Emerged marestail, Palmer pigweed, or tall waterhemp.

TILLAND START OVER, use an Authority[®] Brand herbicide PRE fb POST in LibertyLink[®] soybeans.



Inside This Issue

- A TALE OF TWO FIELDS Unintended Consequences**

Authored by
Dr. Joseph P.
Reed

FMC Tech Service
Mgr –Midwest
Region Eastern
Corn Belt
(217) 649-3249

Ryan McDaniel
Ohio
(937) 605-7204

Stu Throop
Western MI
(443) 271-4191

Lisa Stiles
Southeast MI
(989) 780-2032

FMC

HatchTrakSM

June 6, 2017



A TALE OF TWO FIELDS – Unintended Consequences *Planter got too far out ahead of sprayer then weather took over*

Corn V-3 with No-PRE applied, grasses, lambsquarters, marestail, & giant ragweed



EPOST through POST – Options in V-3 or Taller Corn
OPTION 1 - EPOST up to V-4 – Excellent Grass Residual and Resistance Management

Anthem[®] MAXX herbicide 4- 5 oz./A OR Anthem[®] ATZ herbicide 32 – 40 oz./A (contains Atrazine 1 to 1.25 lbs)

Glyphosate 1.125 lbs ae/A + AMS 2.5 lbs In Roundup Ready[®] Corn
OR

Liberty[®] herbicide 29-32 oz./A +AMS 2.5 lbs in LibertyLink[®] Corn
Atrazine 1 lb (or higher if needed up to maximum seasonal use rate)

OPTION 2 - EPOST to 30 inch tall corn or V-8 – Resistance Management 3 Effective MOA's

Solstice[®] herbicide 3 oz./A

Glyphosate 1.125 lbs ae/A + AMS 2.5 lbs in Roundup Ready Corn
OR

Liberty herbicide 29-32 oz.+ AMS 2.5 lbs./A in LibertyLink Corn
Atrazine 0.75 to 1 lb (or higher, note maximum seasonal use rate) + NIS 0.25% v/v or COC 1% v/v

OPTION 3 - EPOST to POST up to V-8 corn – Heavy Duty Broadleaf Weed Control

Stanza[®] herbicide or Hornet[®] herbicide 3-4 oz./A

Glyphosate 1.125 lbs ae/A In Roundup Ready Corn
OR

Liberty[®] herbicide 29-32 oz./A + AMS 2.5 lbs./A in LibertyLink Corn

The above situation shows herbicide application timing IS everything. By not applying a PRE corn herbicide weed competition within the first 3 to 5 weeks of crop emergence has significantly reduced corn yields. Planned PRE-POST herbicide applications are required to control such weeds as ragweeds, cocklebur and sunflowers. If a timely broadcast POST herbicide application is not made the only option will be use of drop nozzles.

OPTION 4 – POST up to 48 in. tall corn
DROP NOZZLES & Crop Rotation Flexibility
CADET[®] herbicide 0.6 to 0.9 oz./A

Glyphosate 1.125 lbs ae/A + AMS 2.5 lbs in Roundup Ready Corn

OR

Liberty herbicide 29-32 oz./A + AMS 2.5 lbs in LibertyLink Corn

Atrazine 0.75 to 1 lb./A (or higher, note maximum seasonal use rate) + NIS 0.25% v/v or COC 1% v/v

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

Atrazine, Anthem ATZ and Gramoxone are Restricted Use Pesticides.

Liberty and LibertyLink are trademarks of Bayer. Roundup Ready is a trademark of Monsanto Technology LLC. Gramoxone and Flexstar are trademarks of Syngenta. FirstRate and Hornet are trademarks of Dow Agrosciences LLC. Classic is a registered trademark of E. I. duPont de Nemours & Company.