



Industry Update

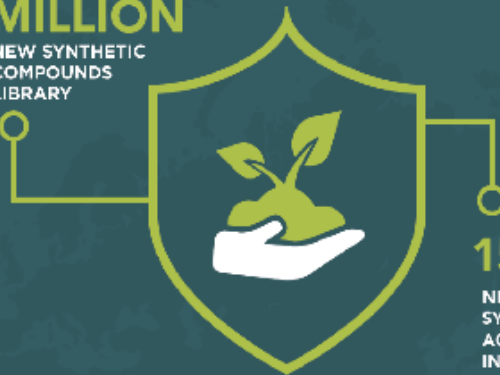
LACA Conference - 2019

Marksville, LA

Sr. Tech Service Mgr. – Don Johnson



**1.8
MILLION**
NEW SYNTHETIC
COMPOUNDS
LIBRARY



15
NEW
SYNTHETIC
ACTIVE
INGREDIENTS
IN THE
PIPELINE

**EXPANDED
PRODUCT PORTFOLIO**
TO PROTECT CROPS & IMPROVE YIELDS

WINNER
Best R&D Pipeline



Agrow Awards
Agribusiness Intelligence | Informa



**THE FUTURE
IS BRIGHT.**

WINNER
**Best Application Technology
Innovation**



Agrow Awards
Agribusiness Intelligence | Informa



INNOVATION



THE FUTURE
IS BRIGHT.

Southern Region Products for 2019

NEW FOR
2019!!!!

COMMAND
3ME
MICROENCAPSULATED HERBICIDE

AIM
EC
HERBICIDE

FIRSTSHOT
SG
BURNDOWN HERBICIDE

CRUSHER
HERBICIDE

OBEY
HERBICIDE

AUTHORITY
FIRST DF
HERBICIDE

HERBICIDES

ANTHEM
MAXX
HERBICIDE

FINESSE
CEREAL AND FALLOW HERBICIDE

AUTHORITY
SUPREME
HERBICIDE

AUTHORITY
MTZ DF
HERBICIDE

AUTHORITY
ELITE
HERBICIDE

DISPLAY
COTTON HARVEST AID

HARMONY
EXTRA SG
HERBICIDE

ANTHEM
FLEX
HERBICIDE

MUSTANG
MAXX
INSECTICIDE

STEWARD
EC
INSECTICIDE

PREVATHON
INSECT CONTROL

BRIGADE
2EC
INSECTICIDE / MITICIDE

BRIGADIER
INSECTICIDE

INSECTICIDES

CARBINE
50WG
INSECTICIDE

CAPTURE
LFR
INSECTICIDE

HERO
INSECTICIDE

LUCENTO
FUNGICIDE

NEW FOR
2019!!!!

TOPGUARD
FUNGICIDE

FUNGICIDES

TOPGUARD
EQ
FUNGICIDE

4



Best in Class Residual

Combining the best Group 14 and 15 herbicides in a convenient, low use rate liquid formulation to manage Palmer amaranth, small-seeded broadleaves and grasses.

Technical Information

Formulation 4.16 SE (suspo-emulsion)

Active Ingredients 2.08 lb ai sulfentrazone +
2.08 lb ai pyroxasulfone

Mode of Action 14 + 15

Signal Word Caution

Packaging 2 x 2.5 gal. container; 250 gal.

Recommended Use Rates

Use Rates (fl. oz./A)

Low Rate 6.4

High Rate 8.0

Application Information

Timing Fall, Early preplant, PPI, PRE, up to 3 days after planting

Key Preemergence Weed Spectrum

Palmer amaranth	redroot pigweed	common lambsquarters
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black nightshade	morningglory species	annual bluegrass
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waterhemp	foxtail spp.	Italian ryegrass
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Partial Control / Suppression

marestail	yellow nutsedge	<i>Bromus</i> spp. (cheat, brome)
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henbit	common chickweed	common fleabane
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High Pressure, High Performance



6.5 fl oz/A

Authority® Supreme herbicide

fb

22 fl oz/A

Xtendimax^{®1} herbicide

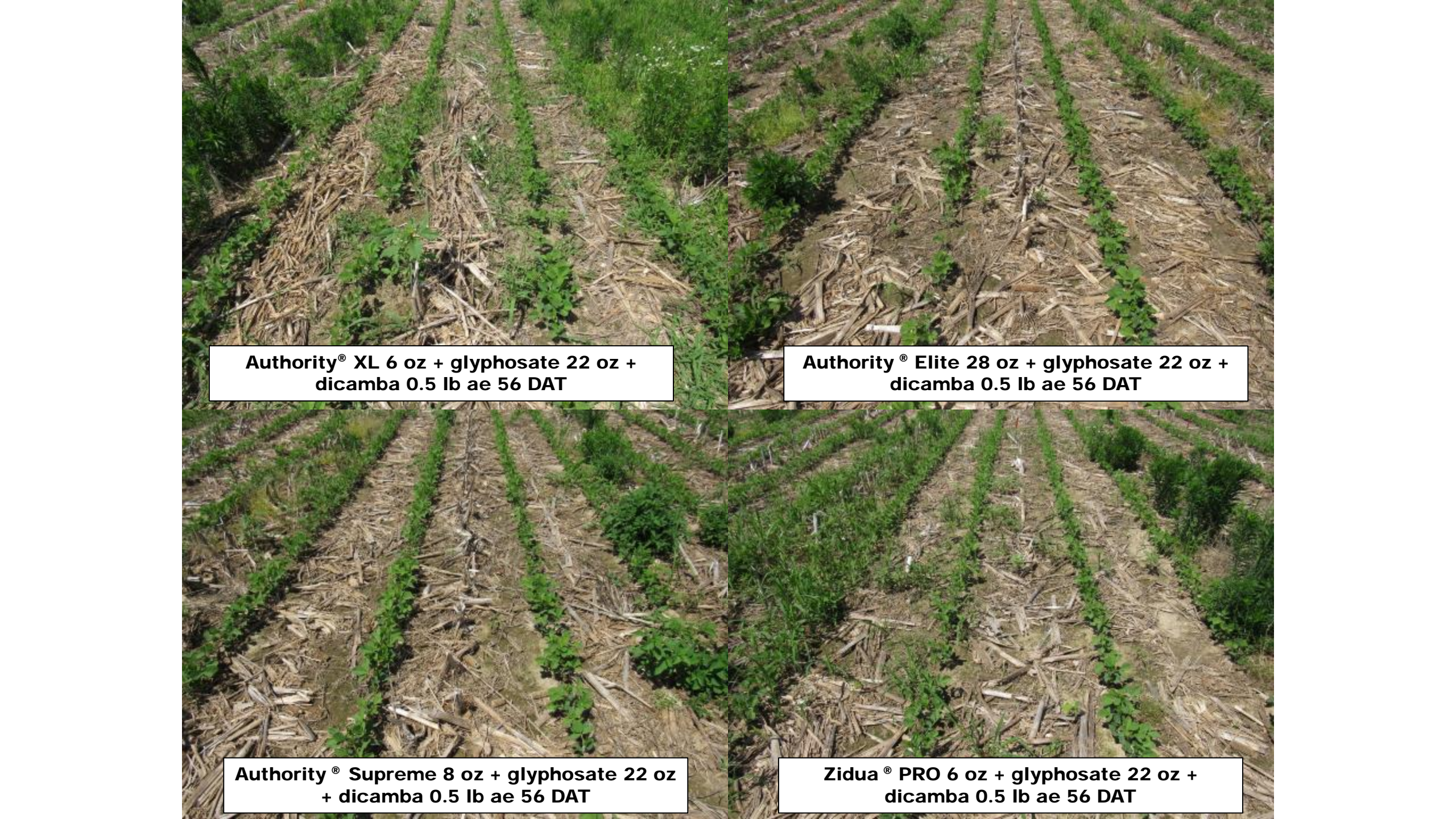
+

32 fl oz/A

Roundup® PowerMAX herbicide

Missouri, 2017

¹ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. **XtendiMax® herbicide with VaporGrip® Technology is a restricted use pesticide.** It is a violation of Federal and state law to use any pesticide product in a manner inconsistent with its labeling. XtendiMax® herbicide with VaporGrip® Technology is not registered in all states and may be subject to use restrictions in some states. Check with your local Monsanto dealer or representative for the product registration status in your state. Bollgard II®, Roundup Ready 2 Xtend®, Roundup Ready®, VaporGrip®, XtendFlex®, XtendiMax® are trademarks of Monsanto Technology LLC. FMC, Authority, Anthem and Cadet are registered trademarks of FMC Corporation. ©2018 FMC Corporation. All rights reserved.



Authority® XL 6 oz + glyphosate 22 oz +
dicamba 0.5 lb ae 56 DAT

Authority® Elite 28 oz + glyphosate 22 oz +
dicamba 0.5 lb ae 56 DAT

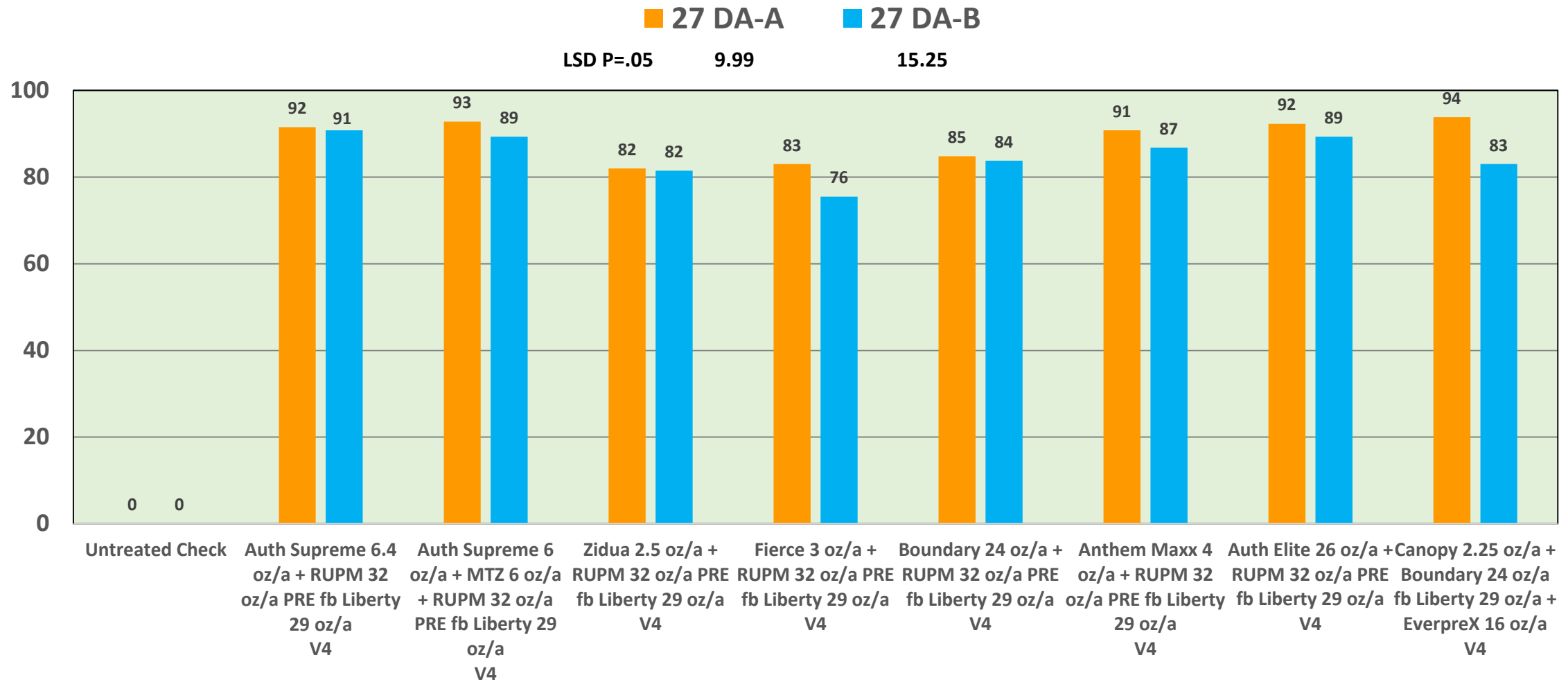
Authority® Supreme 8 oz + glyphosate 22 oz
+ dicamba 0.5 lb ae 56 DAT

Zidua® PRO 6 oz + glyphosate 22 oz +
dicamba 0.5 lb ae 56 DAT



Authority Supreme in Liberty Link Soybean Program University of Arkansas, Norsworthy – 2018 Crawfordsville, AR

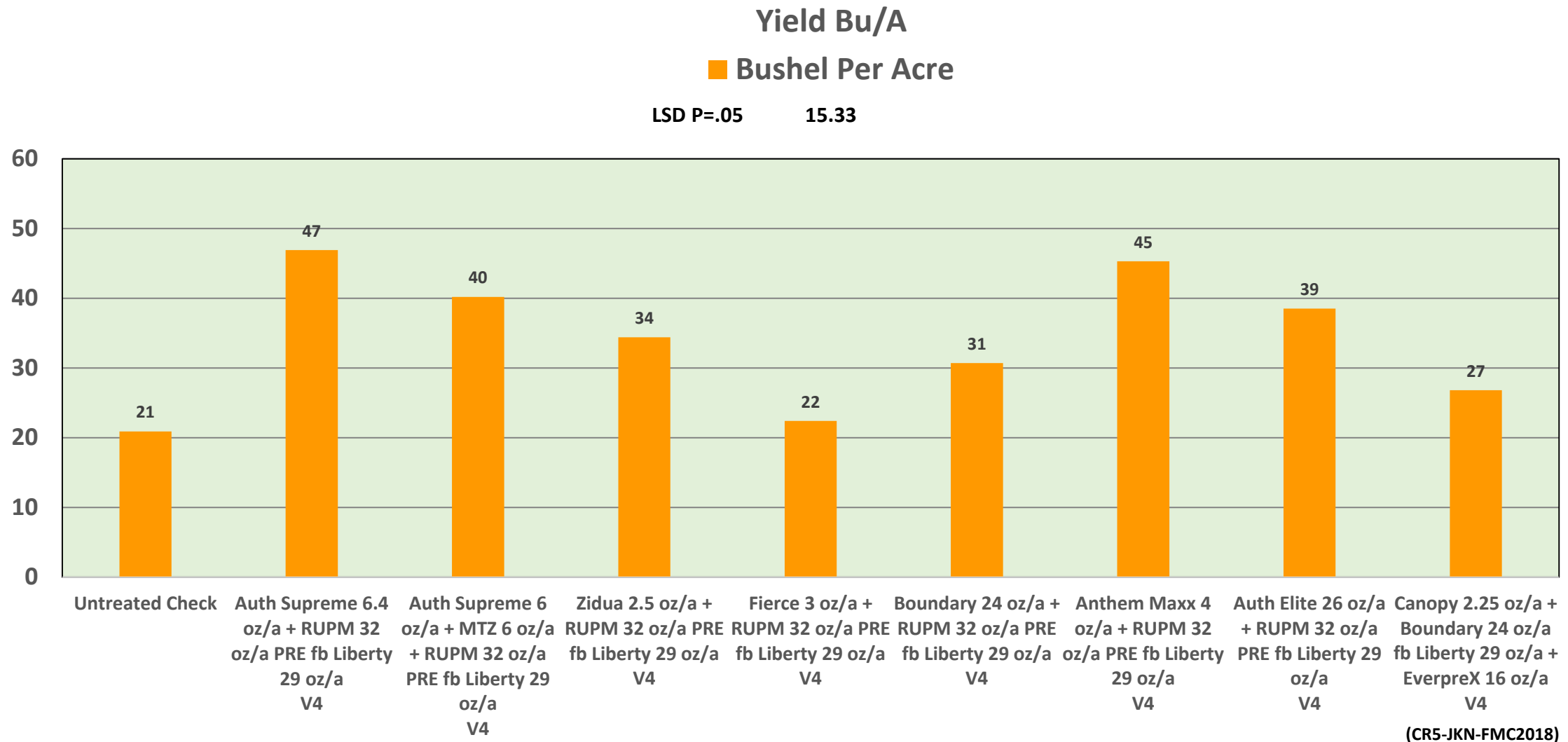
% Control PPO Resistant Palmer Pigweed



(CR5-JKN-FMC2018)



Authority Supreme in Liberty Link Soybean Program University of Arkansas, Norsworthy – 2018 Crawfordsville, AR





Premier Corn and Soybean Disease Control

Leaf spot diseases in corn, soybean and peanut don't stand a chance.

Technical Information

Formulation	4.17 SC
Active Ingredients	2.63 lb ai flutriafol (DMI) + 1.54 lb ai bixafen (SDHI)
Mode of Action	3 + 7
Signal Word	Caution
Packaging	2 x 2.5 gal

Application Information

Timing	1 st appearance of disease or reproductive stage of crop
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Use Rates (fl. oz./A)

Rate range	3 – 5.5
Recommended Rate	5.0

Corn Disease Spectrum

Gray leaf spot	Northern corn leaf blight	Rust, Southern & common
Anthrachnose leaf blight	Diplodia stalk & ear rot	Northern corn leaf spot
Eyespot	Southern corn leaf blight	Physoderma brown spot

Soybean Disease Spectrum

frogeye leaf spot	Cercospora leaf blight	Rust
Brown spot	Anthrachnose	White mold
Target spot		Powdery mildew

Peanut Disease Spectrum

Early and late leaf spot	Rust	Rhizoctonia limb rot
Web blotch	Stem rot	Pepper spot

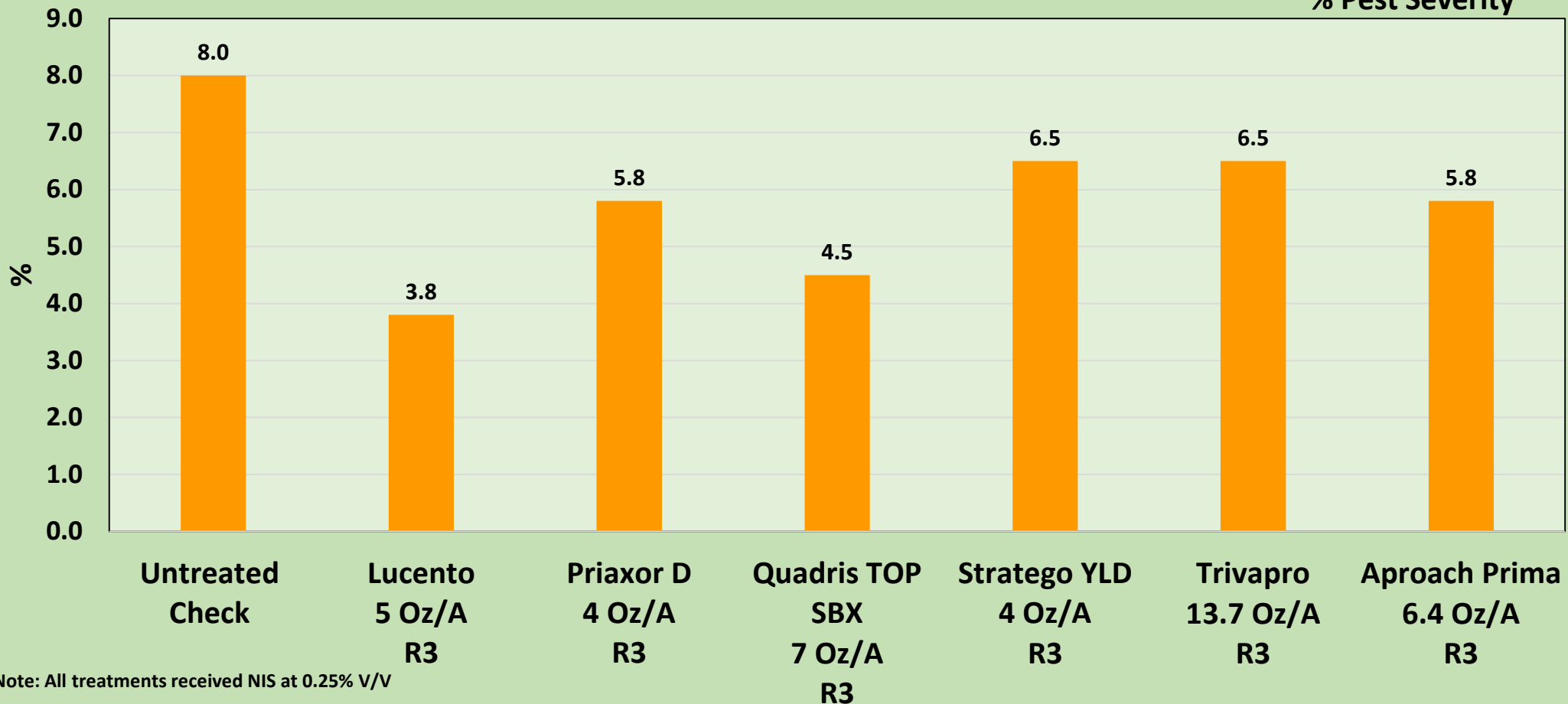


FMC General Soybean Fungicide Trial University of Arkansas, Faske – 2018 Newport, AR

Cercospora sojina, FLS - 29 DAA

LSD P=.05 1.63

% Pest Severity



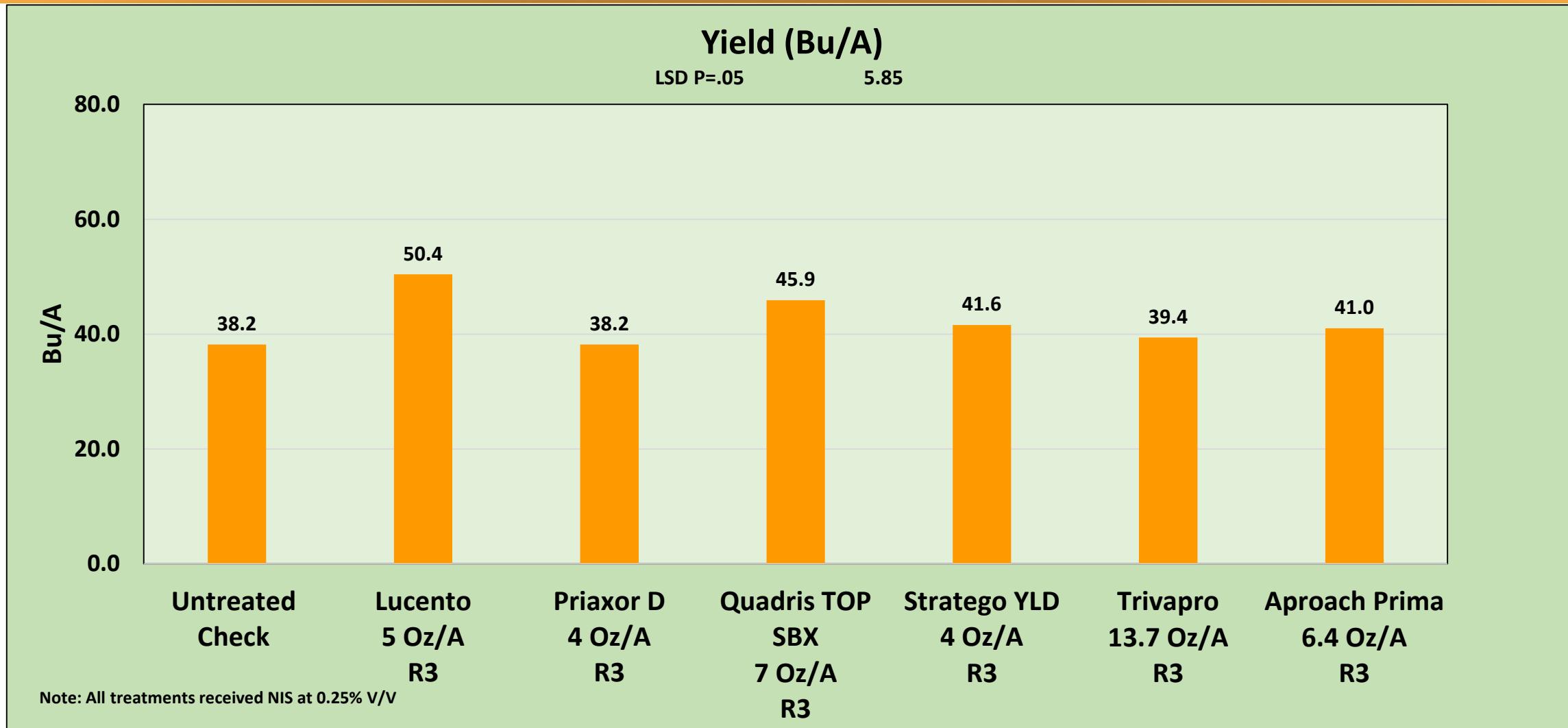
(2018 FMC Soy Foliar-T)



FMC General Soybean Fungicide Trial

University of Arkansas, Faske – 2018

Newport, AR



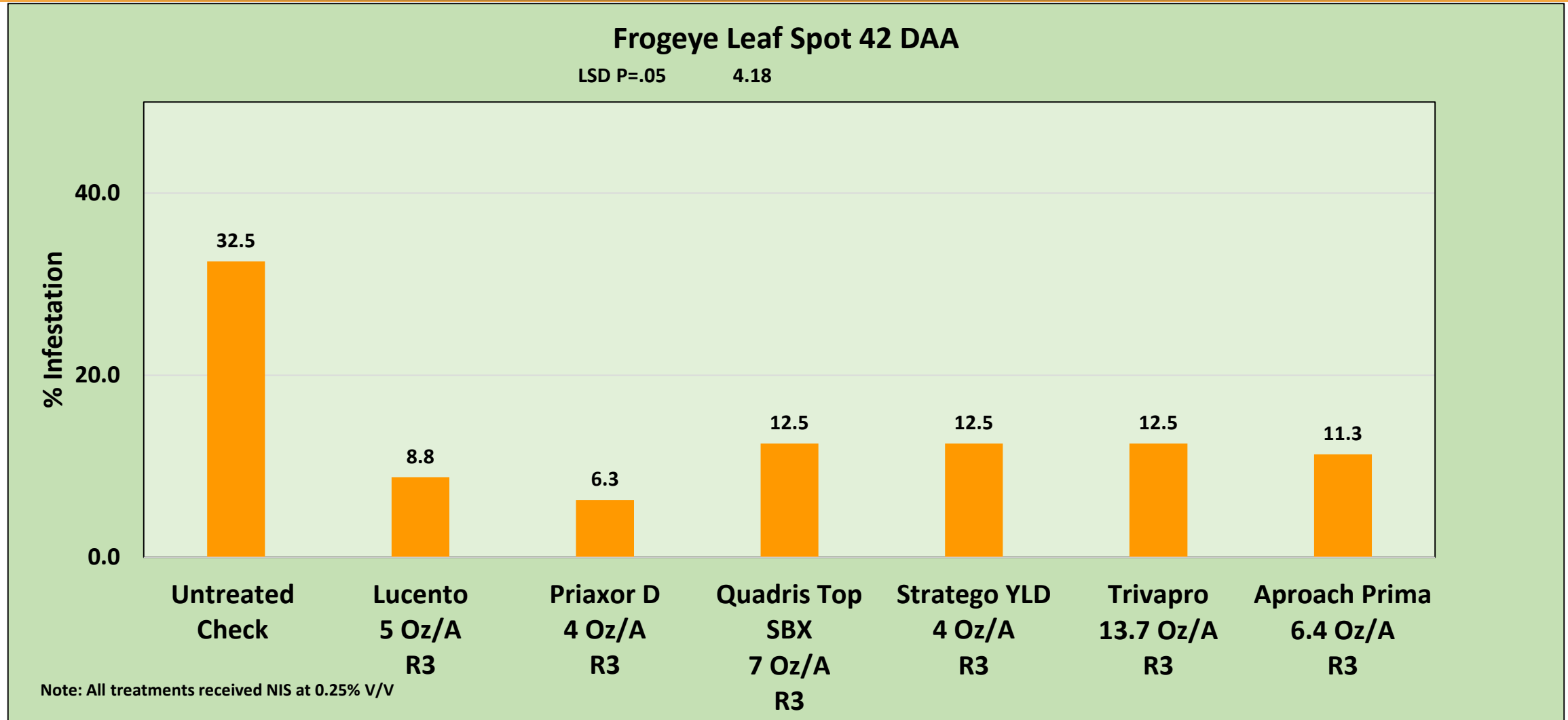
(2018 FMC Soy Foliar-T)



FMC General Soybean Fungicide Trial

Stoneville R&D – 2018

Greenville, MS



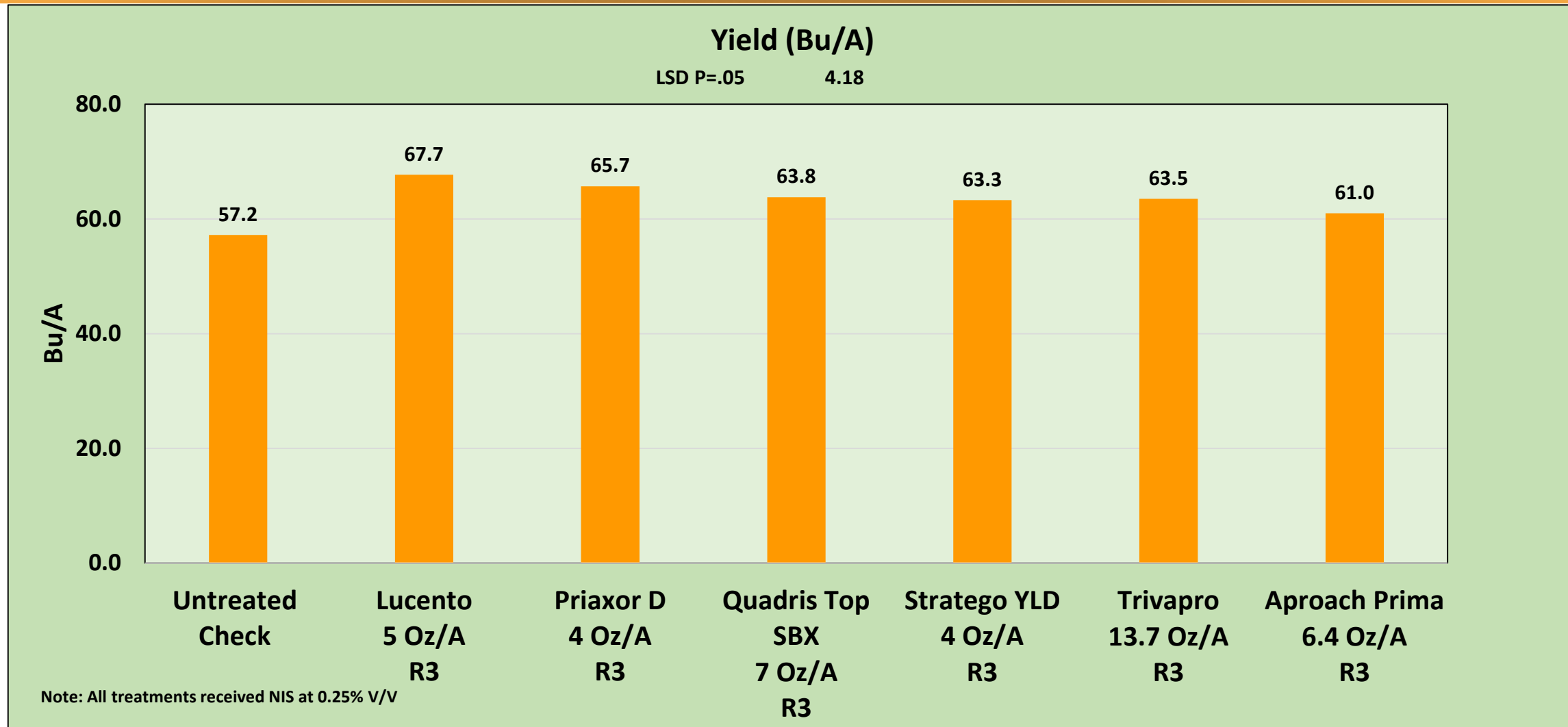
(045-18FM)



FMC General Soybean Fungicide Trial

Stoneville R&D – 2018

Greenville, MS



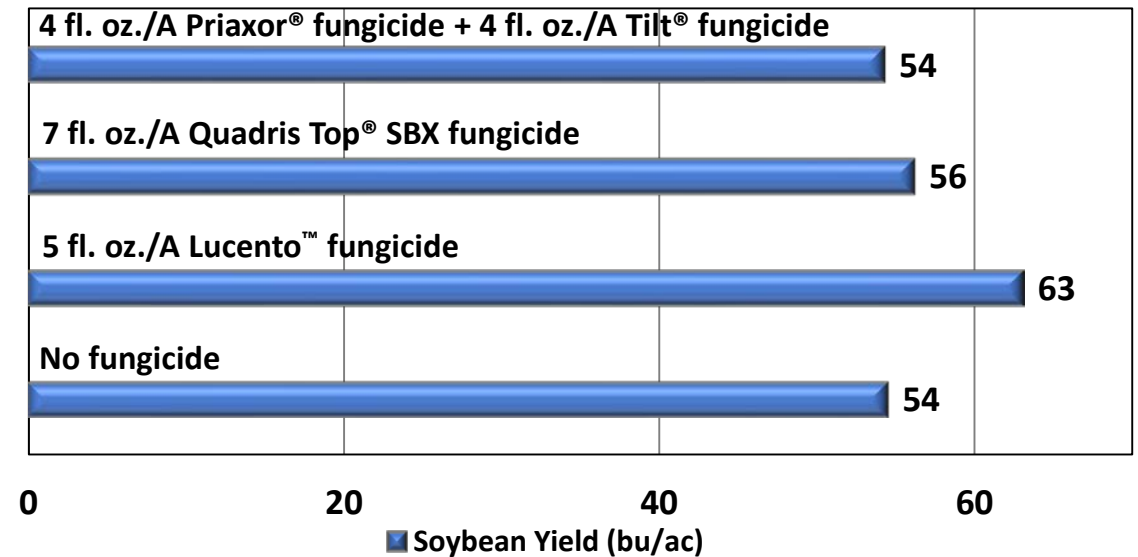
(045-18FM)



2018 Soybean Yield & Seed Quality

- **Objective:** Lucento[®] fungicide demonstration.
- **Cooperator:** Univ. of TN Milan REC, Milan, TN
- **Planting Date:** 6/5/18
- **Cultivar:** AG46X6
- **Application Timing:** R3 on 8/9/18
- **Demo Plot Area:** 0.275 acres (60'x200')
- **Harvested** 12/3/18, 0.04 acres (10'x200')
- **Pests at treatment:**
 - Late season frogeye leaf spot
 - Cercospora blight and seed stain
 - Pod and stem blight

Soybean Yield Response to Fungicides



Preserving Soybean Seed Quality





FMC Freedom Pass: 2019 Program Update

2018/2019



Program Offerings



30+ FMC crop protection products qualify for the exclusive agronomic and economic incentives of the FMC Freedom Pass program. The more FMC products you choose between preplant and harvest, the more it pays at rebate time.



There are no guarantees in agriculture, but FMC Freedom Pass Performance Assurances represent FMC's commitment to your confidence. FMC stands behind the performance of its products where it counts: in your fields.



FMC Freedom Pass Product Financing protects your cash flow throughout the growing season at the same time you protect your crops. Pay for FMC herbicides, fungicides and insecticides after harvest. A \$10,000 minimum purchase qualifies you for 0% interest financing¹ from John Deere Financial.



FMC is always at the forefront of crop protection innovation and so are you.

Visit www.FMCFreedomPass.com for program details.



THANK YOU
QUESTIONS?



WWW.FMCCROP.COM



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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, Hero EW insecticide, Mustang insecticide, Mustang Maxx insecticide, Pounce 25WP insecticide, Stallion brand insecticide, Temitry LFR insecticide/fungicide, Ethos XB insecticide/fungicide Ethos 3D insecticide/fungicide and Gladiator insecticide/miticide are **RESTRICTED USE PESTICIDES**.

Always read and follow all label directions, restrictions and precautions for use.

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