

Amistar[®] Top Fungicide for Rice

Federal Registration Expected May 2017*

Range: 10 – 15 fl oz/A

***Rate: 14 fl oz/A:** AZO = 11.2 floz/A and DFZ = 7.0 floz/A

Diseases Controlled:

Sheath Blight, Stem Rot, Brown Leaf Spot, Blast, Leaf Smut, Narrow Brown Leaf Spot

“Good activity against strobi (Grp11) resistant Rhizoctonia and is active against SDHI (Grp7) reduce sensitive Rhizoctonia” Dr. Don Groth

Maximum Number of Applications: 2

Re-treatment Interval: 14 day

PHI: 28 day

Maximum total use per season: 30 fl oz/A

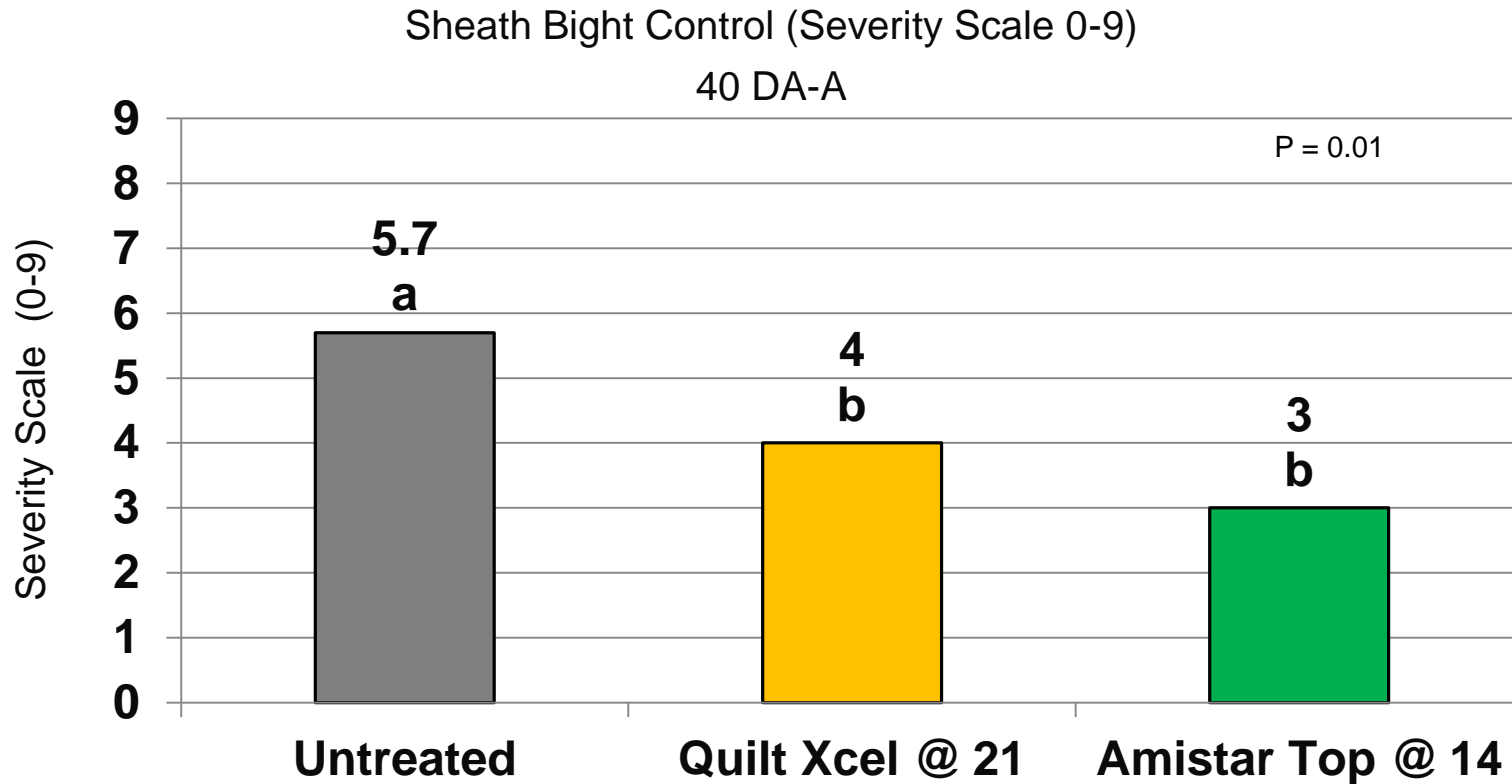


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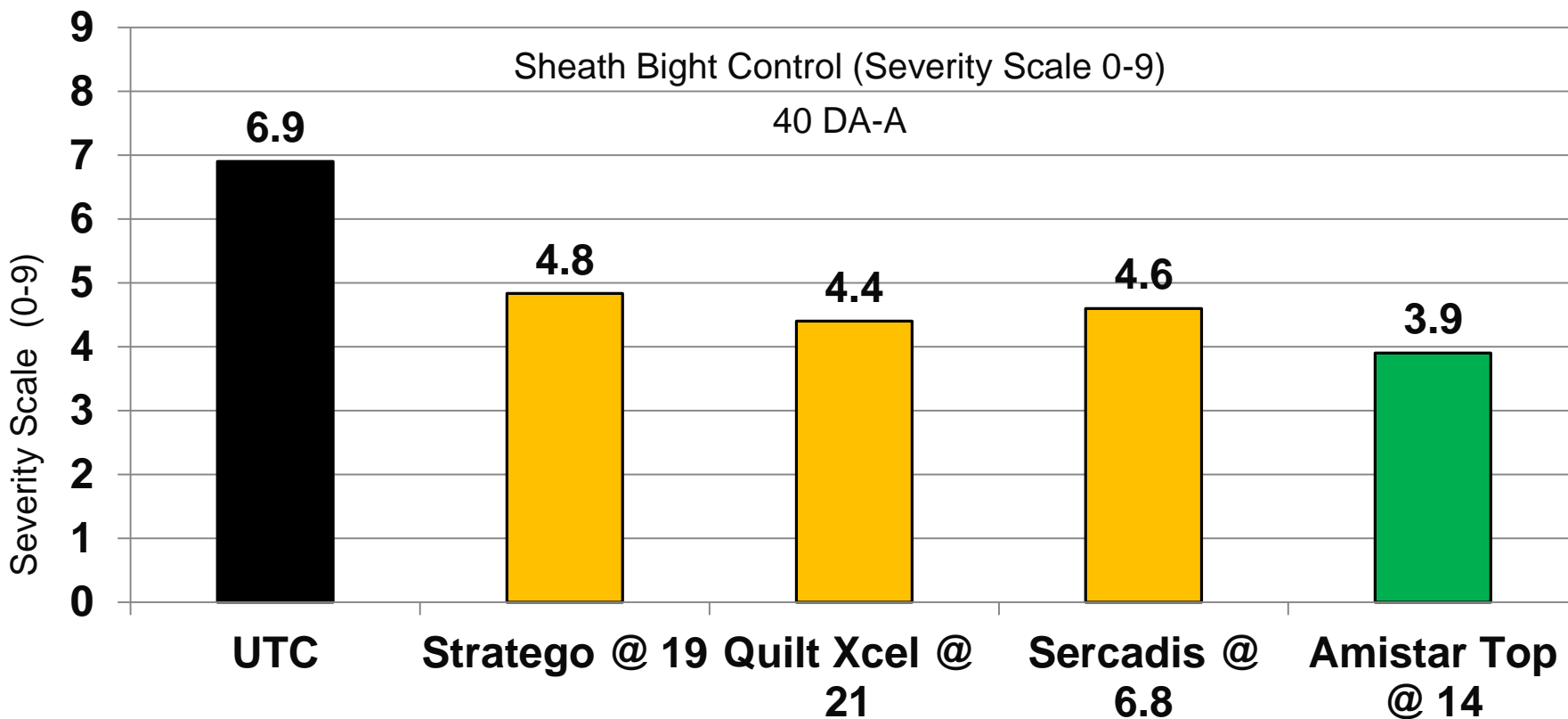
Amistar Top

- Difenoconazole expected PRIA date – May 22, 2017
- Amistar Top contains two efficacious compounds with different modes of action
- Formulated as suspension concentrate containing 1.67 pounds of azoxystrobin (Group 11) active ingredient and 1.05 pounds of difenoconazole (Group 7) active ingredient per gallon
- Packaging:
 - 2 x 2.5 gallons
 - TBD - cases per pallet
- Crops:
 - Rice
 - Cotton

Effect of Fungicide Treatments on Sheath Blight Efficacy



Effect of Fungicide Treatments on Sheath Blight Efficacy (Mean of 3 locations* in 2016)



USSD0F5012016 / LA / COI / Groth / CL111

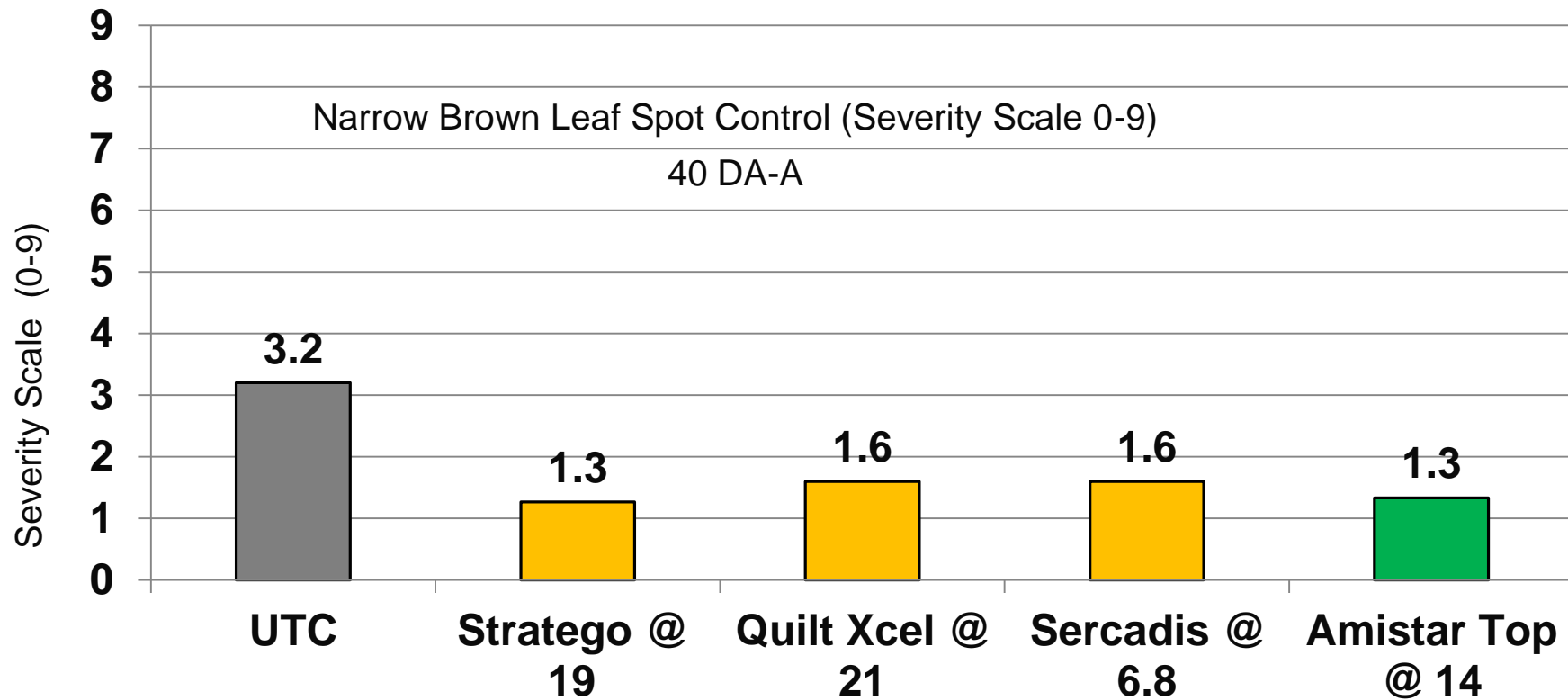
*2 of 3 locations were inoculated at PD with R. Solani

Amistar[®]Top

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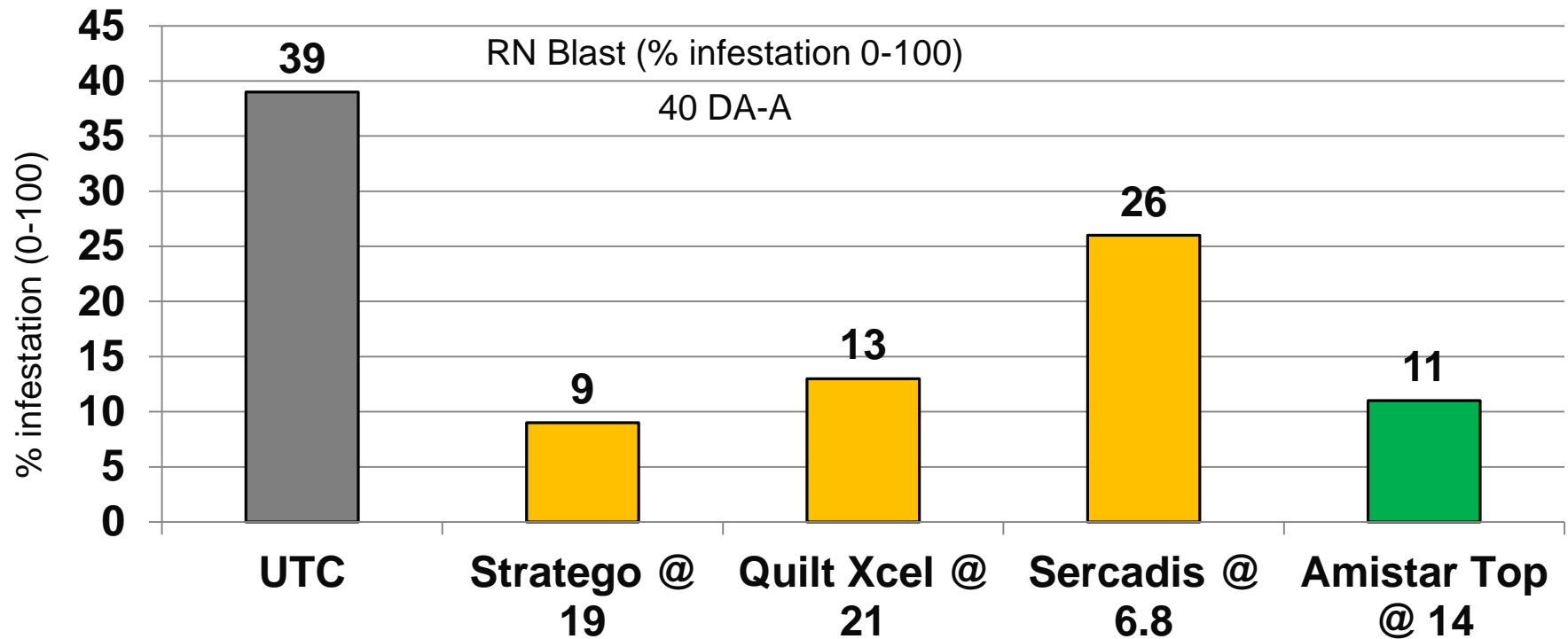
Effect of Fungicide Treatments on Narrow Brown Leaf Spot Efficacy (Mean of 3 locations* in 2016)



USSD0F5012016 / LA / COI / Groth / CL111

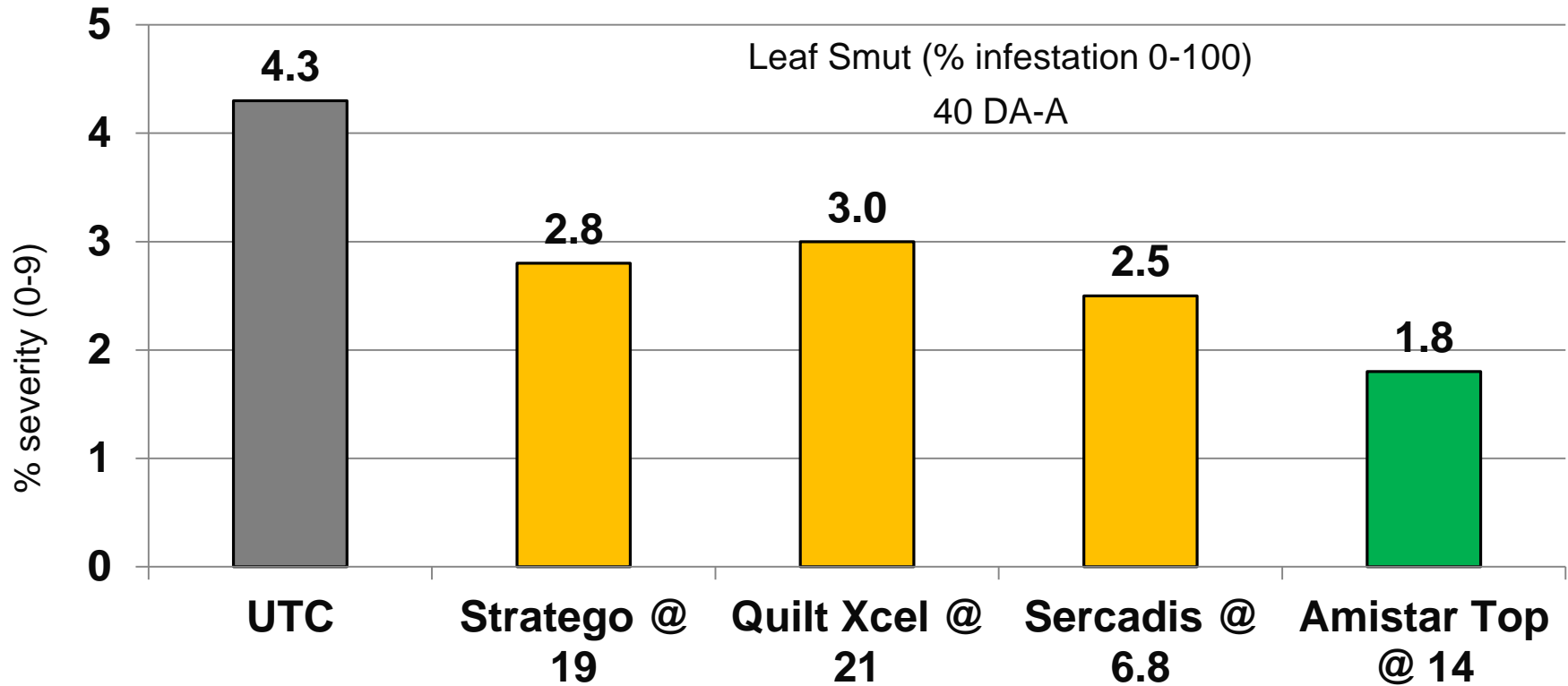
*2 of 3 locations were inoculated at PD with R. Solani

Effect of Fungicide Treatments on Rice Neck Blast % infestation (Single location in 2016)



*USSD0F5012016 / LA / COI / Groth / CL111
*Site was NOT inoculated at PD with R. Solani
*Application made at Boot

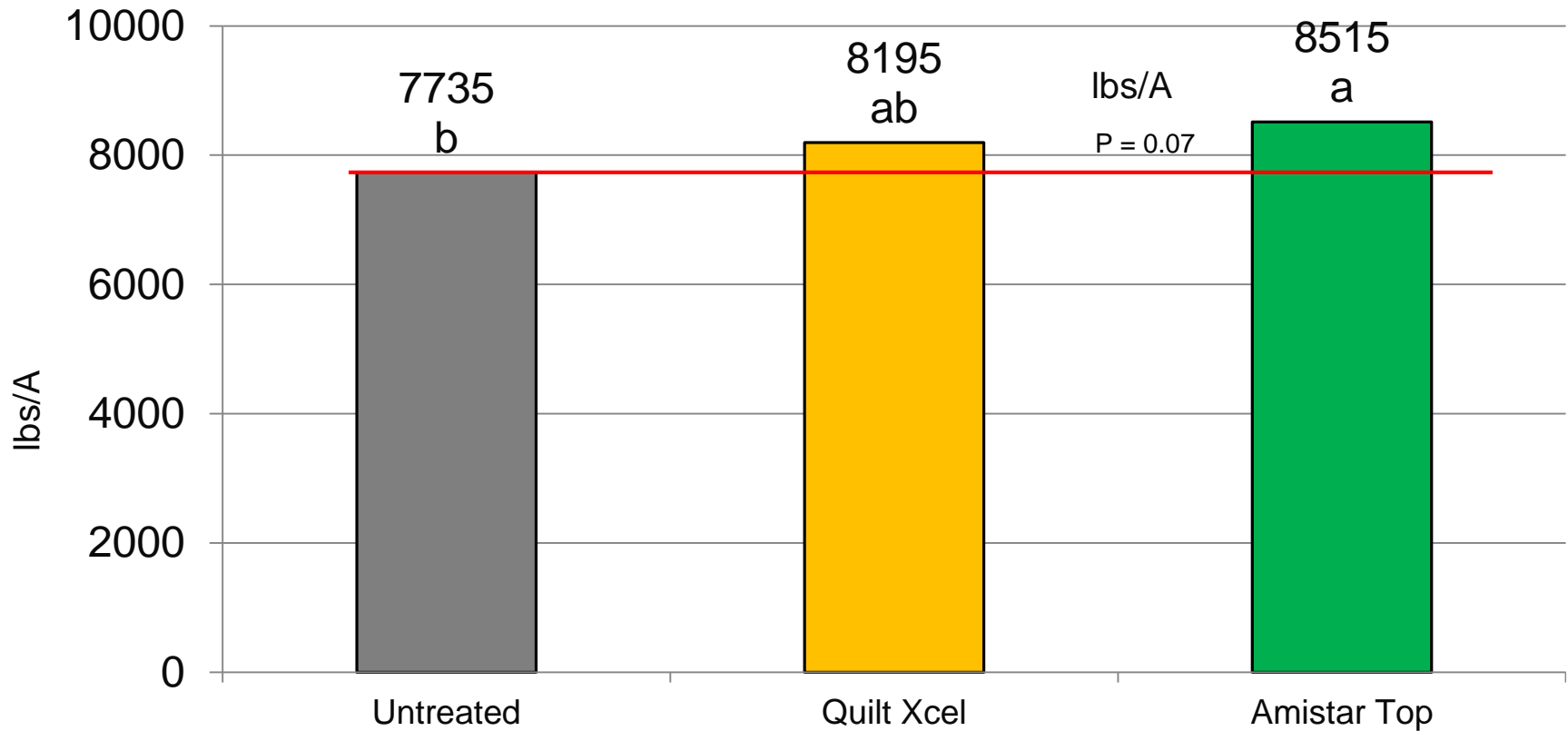
Effect of Fungicide Treatments on Leaf Smut Severity (Single location in 2016)



USSD0F5012016 / LA / COI / Groth / CL111
*Site was NOT inoculated at PD with R. Solani
Application made at Boot

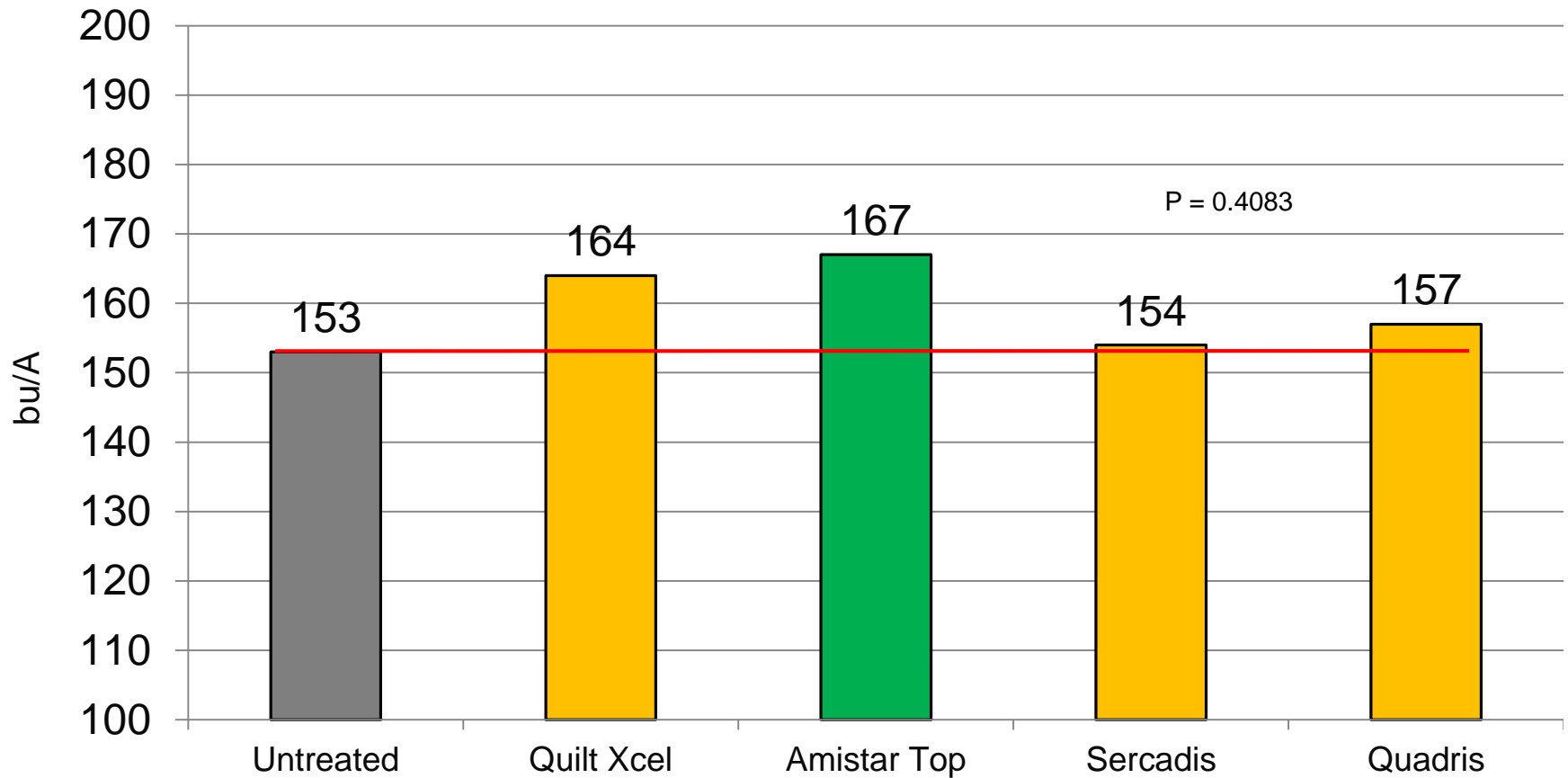
Effect of Fungicide Treatments on Rice Yield

50% incidence but low severity of sheath blight



USSA0F1052015 / TX / COI / Jo / Antonio

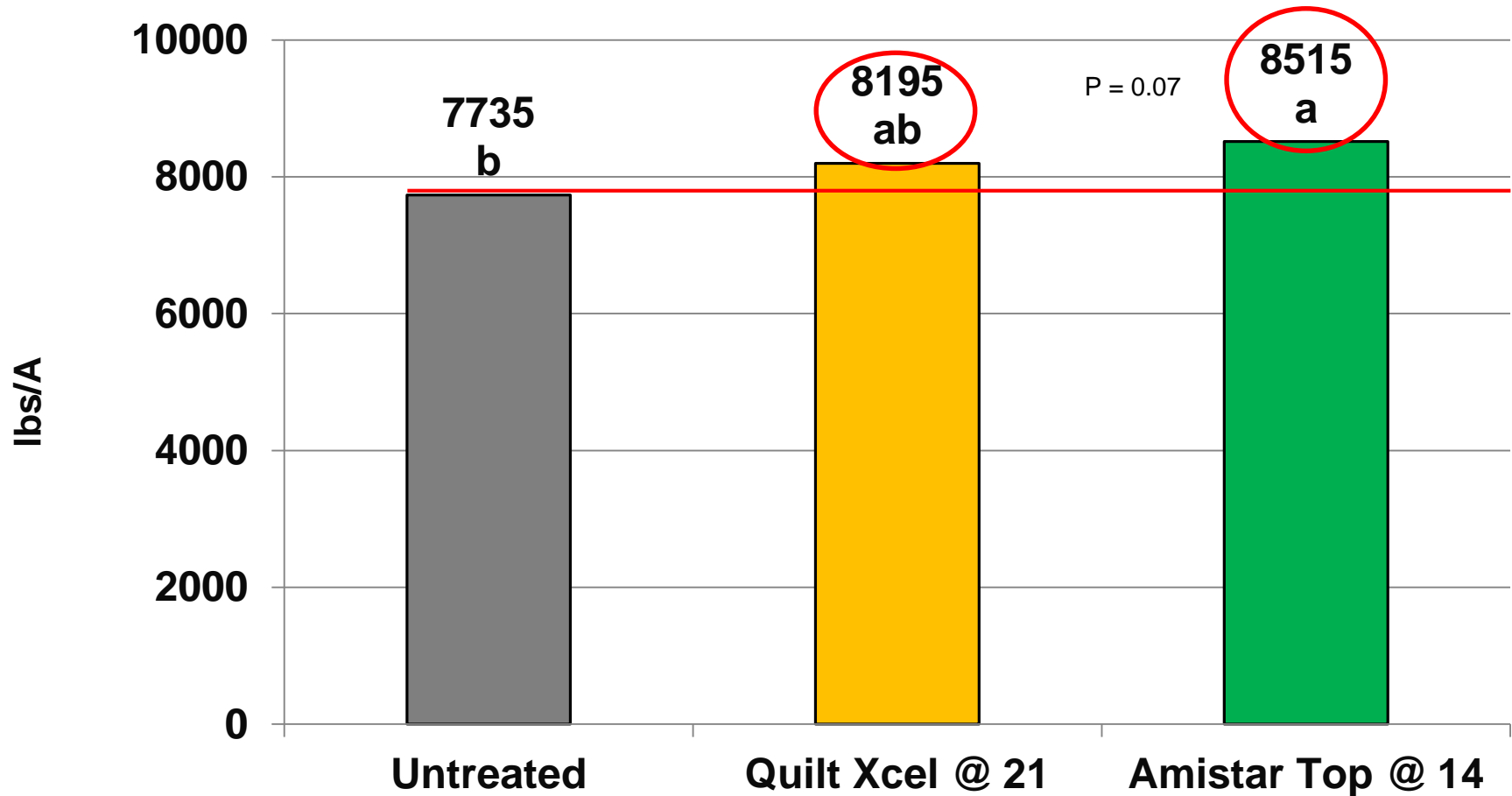
Effect of Fungicide Treatments on Rice Yield



USSE0F9352015 / AR / COI / Spurlock / CL151

Effect of Fungicide Treatments on Rice Yield

50% incidence but low severity of sheath blight



USSA0F1052015 / TX / COI / Jo / Antonio

Activity on Sheath Blight



Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU



UTC



UTC

Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU



Stratego 19 floz/A



Stratego 19 floz/A

Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU



Sercadis 6.8 floz/A



Sercadis 6.8 floz/A

Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU



Amistar Top 14 floz/A



Amistar Top 14 floz/A

Pictures taken 7-26-16 by Keith Burnell in Jefferson Davis Parish, LA. Trial performed by Dr. Don Groth from LSU



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EPA Reg. Expected: 10/4/2017

Key features

- 4 active ingredients
 - 1 INS (thiamethoxam)
 - 3 FUN, incl sedaxane
- EPA-approved pre-mix formulation
- Red color

Key benefits

1. **Increased yield potential** from protection against all main early-season diseases and insects
2. **Higher tolerance of crop stress** through optimized root health and plant vigor
3. **Time gain** from reduced pest scouting and replants
4. **Reduced complexity (costs)** of treating operations with stable, low use rate pre-mix formulation
5. **Recognition for high-quality** treatment supported by the proven and trusted CruiserMaxx brand

AI breakdown:

Fungicides: Azoxystrobin + Fludioxonil + Mefenoxam + Sedaxane

Insecticides: Thiamethoxam



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USSB0T1032016 – Efficacy of CruiserMaxx Rice Plus A16148C for Early Season Diseases in Rice
Demonstrated effectiveness of the AG-11 *Rhizoctonia solani* isolates in rice stand reduction

1 June

15 June

8 July

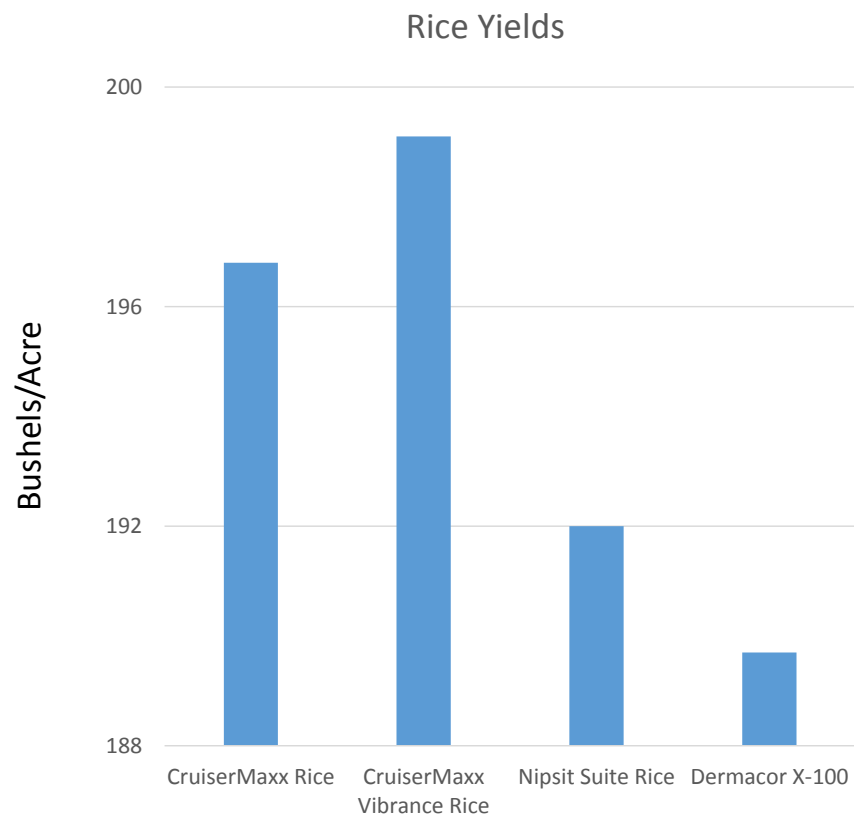
Rhizoctonia solani-Inoculated
Check



Rhizoctonia solani-Inoculated
CruiserMaxx Vibrance Premix



USSB0T1032016 – Efficacy of CruiserMaxx Rice Plus A16148C for Early Season Diseases in Rice



CruiserMaxx Rice “Drift Safening” Effects from Newpath® Herbicide

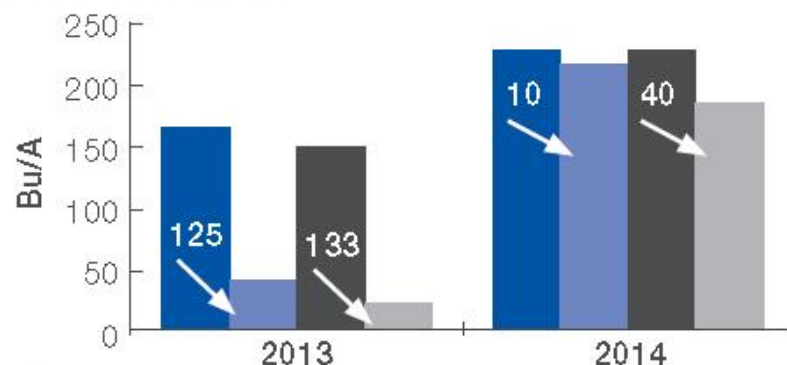


No Integrated Seed Treatment (IST) + Newpath herbicide
0.6 oz at 2-3 leaf rice



CruiserMaxx Rice (CMR)
+ Newpath
0.6 oz at 2-3 leaf rice

Source: University of Arkansas Trial, 2015; Dr. Jason Norsworthy, Dr. Jarrod Hardke, Dr. Gus Lorenz, and Dr. Bob Scott; Rice plant 5/20/14. CruiserMaxx Rice at 7.0 oz/cwt. Trials at AR-UAPB Farm.



- CMR + No Newpath
- CMR + Newpath, Applied at 2-4 leaf rice
- No IST + No Newpath
- No IST + No Newpath, Applied at 2-4 leaf rice

Source: University of Arkansas trials, 2013 and 2014; Dr. Jason Norsworthy, Dr. Jarrod Hardke, Dr. Gus Lorenz and Dr. Bob Scott; Roy J Rice. CruiserMaxx at 7 oz/cwt. Trials at Stuttgart, AR – RREC, and Lonoke, Ar – UAPB Farm. 2013: Newpath, 1 oz; 2014: Newpath, 0.6 oz

CruiserMaxx Rice “Drift Safening” Effects from Roundup PowerMax® (RPM) Herbicide

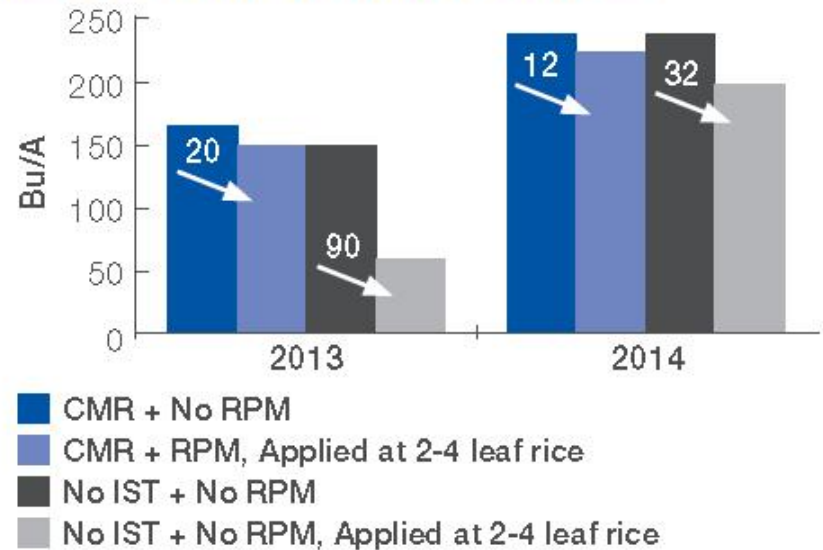


No IST + RPM
3.2 oz at 2-3 leaf rice



CMR + RPM
3.2 oz at 2-3 leaf rice

Source: University of Arkansas Trial, 2015; Dr. Jason Norsworthy, Dr. Jarrod Hardke, Dr. Gus Lorenz, and Dr. Bob Scott; Rice plant 5/20/14. CruiserMaxx Rice at 7.0 oz/cwt. Trials at AR-UAPB Farm.



Source: University of Arkansas trials, 2013 and 2014; Dr. Jason Norsworthy, Dr. Jarrod Hardke, Dr. Gus Lorenz and Dr. Bob Scott; Roy J Rice. CruiserMaxx at 7 oz/cwt. Trials at Stuttgart, AR – RREC, and Lonoke, Ar – UAPB Farm. 2013: RPM, 4 oz; 2014: RPM, 3.2 oz

Legal

Product performance assumes disease presence.

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Some seed treatment offers are separately registered products applied to the seed as a combined slurry. **Always read individual product labels and treater instructions before combining and applying component products.** Trivapro is sold as a combination of separately registered products: Trivapro A and Trivapro B fungicides. Orondis Opti is a combination of separately registered products: Orondis Opti A and Orondis Opti B. Orondis Gold is a combination of separately registered products: Orondis Gold A and Orondis Gold B. Orondis Ultra is a combination of separately registered products: Orondis Ultra A and Orondis Ultra B.

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