

Trivapro[®] Fungicide

Harder Working, Longer Lasting



syngenta[®]

Product performance assumes disease presence.

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SLC-7948A 12-2016

®

Trivapro: “Tri” means three



Crops for maximum application flexibility



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Trivapro: “Tri” means three



Key benefits that maximize yield potential

- **Long-lasting residual** provides longer disease control and crop enhancement
- **Preventive and curative activity** stops existing disease and protects against future infection
- **Crop Enhancement** benefits optimize stalk quality and grain fill

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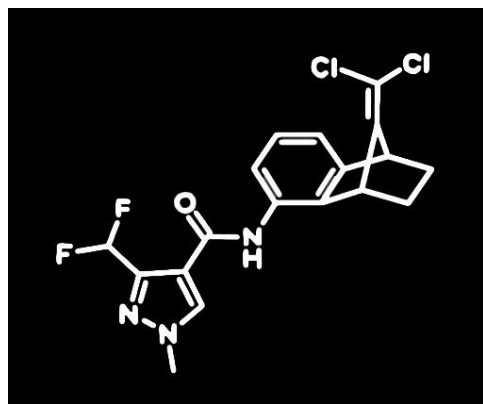


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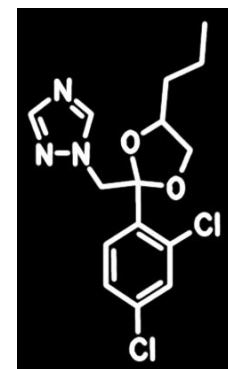
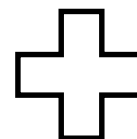
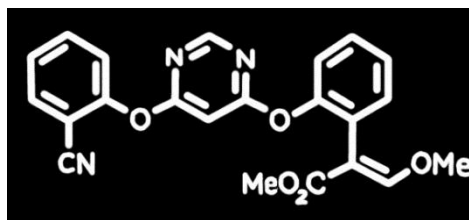
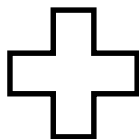
Trivapro: “Tri” means three



Modes of action for preventive and curative disease control



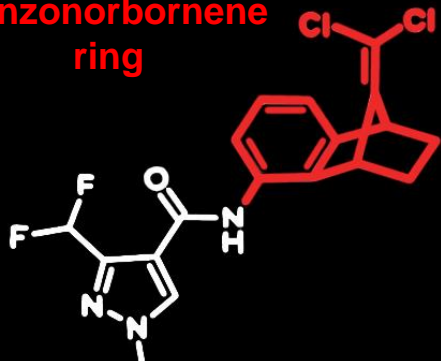
Solatenol® fungicide



What makes Trivapro's SDHI unique?

The unique chemical structure of Solatenol® gives it two benefits over other SDHIs

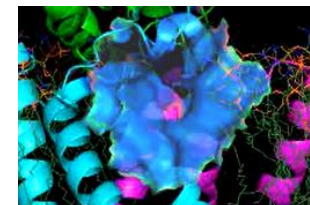
Benzonorbornene ring



Solatenol molecule

Harder working

Stronger affinity to fungal pathogen receptor site, translating to higher potency and disease control



Longer lasting

Strongly binds to the waxy layer of the leaf, preventing the plant from metabolizing Trivapro as quickly as competitors, leading to longer residual



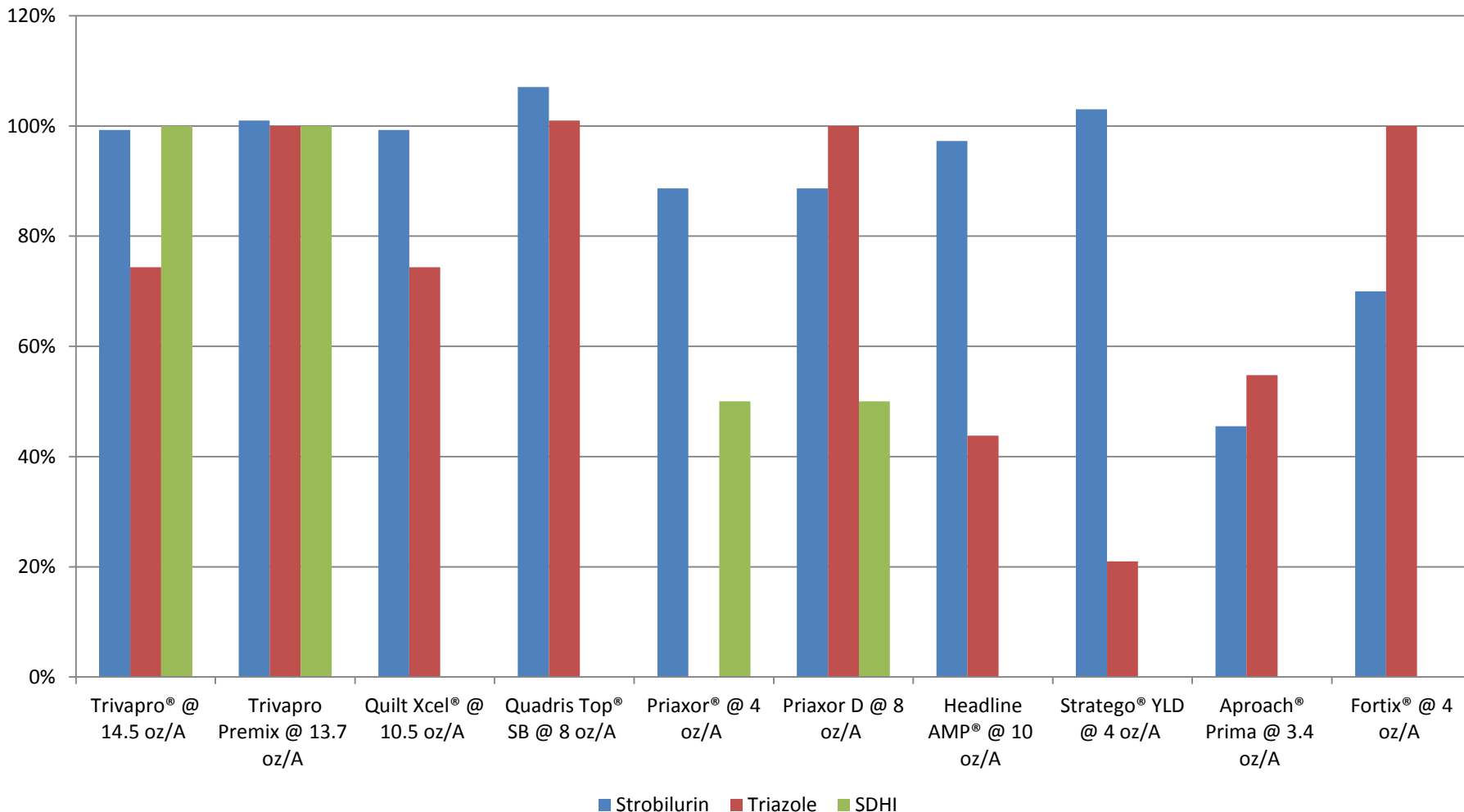
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What's in your fungicide?



Source: Product labels

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Trivapro® Fungicide Control of Gray Leaf Spot in Corn

Cost per Day of Control

In the Previous Trial (¹Syngenta FAD001A3) Trivapro kept GLS severity **below the critical 6% level** for **9 - 14 days longer** than Headline AMP or Stratego YLD.

Product	¹ Days of Effective Control	Cost Per Day of Control ¹
Stratego YLD	~ 28 Days	\$0.54
Headline AMP	~ 33 Days	\$0.45
Trivapro	~ 42 Days	\$0.42

¹ Estimated Cost Per Acre Used: Stratego YLD 4 oz. = \$15.00, Headline AMP 10 oz. = \$15.00, Trivapro 14.5 oz. = \$17.50.
Actual Costs may vary.

Protecting Critical Yield Stages

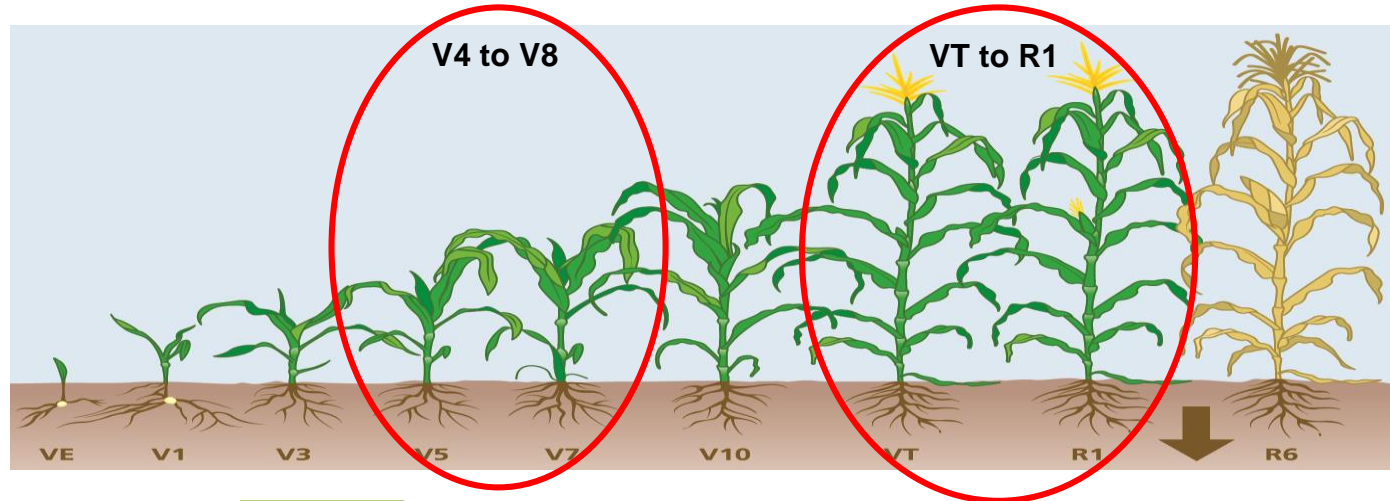
Corn Critical Timing

Maximum number of rows determined

Nodal roots established

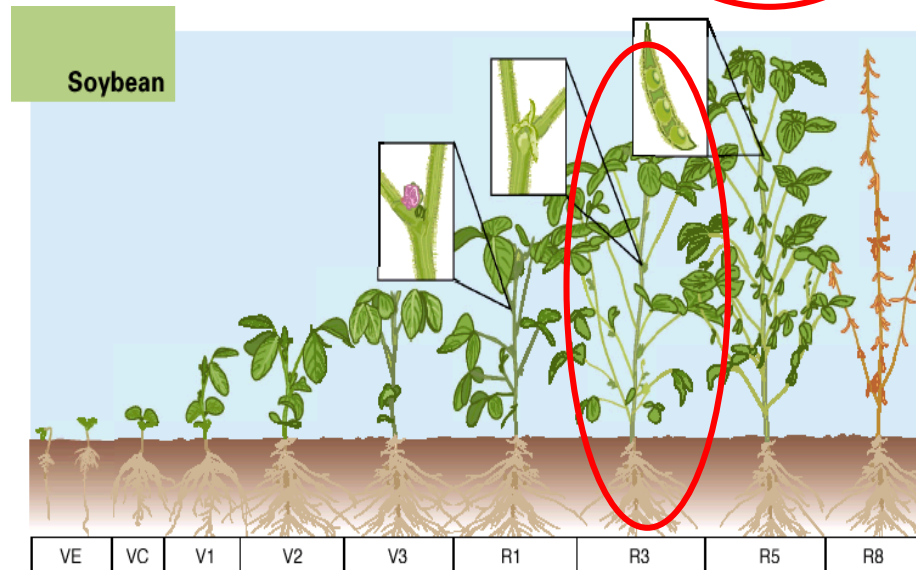
Maximum number of kernels/rows determined

Final kernel number and weight



Soybean Critical Timing

Beginning Pod – pods (3/16”) at any of the 4 uppermost nodes on main stem.



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Application Timing:

- Corn: V4-V8 and/or R1
- Soy: R3
- Wheat: Herbicide timing and/or flag leaf

Trivapro rate per acre: 13.7 oz

- 2 x 2.5 gallons, 264 gallon shuttles, bulk

Adjuvant recommendations

- Good choices: NIS with 90% or greater concentration or COC based on vegetable oils

Tank mixes with herbicides on corn for early applications

- Halex GT*, Touchdown®, Callisto®, and Callisto Xtra
- NIS and or AMS may be added to the above mixtures as appropriate
- Foliar fertilizers and nutritional products are also allowed when tank mixing with Syngenta fungicides
- Not recommended: Acuron®, Lumax® EZ, Lexar® EZ or Zemax applied with Trivapro

**Contact your Syngenta Crop Protection Sales Representative for any questions*

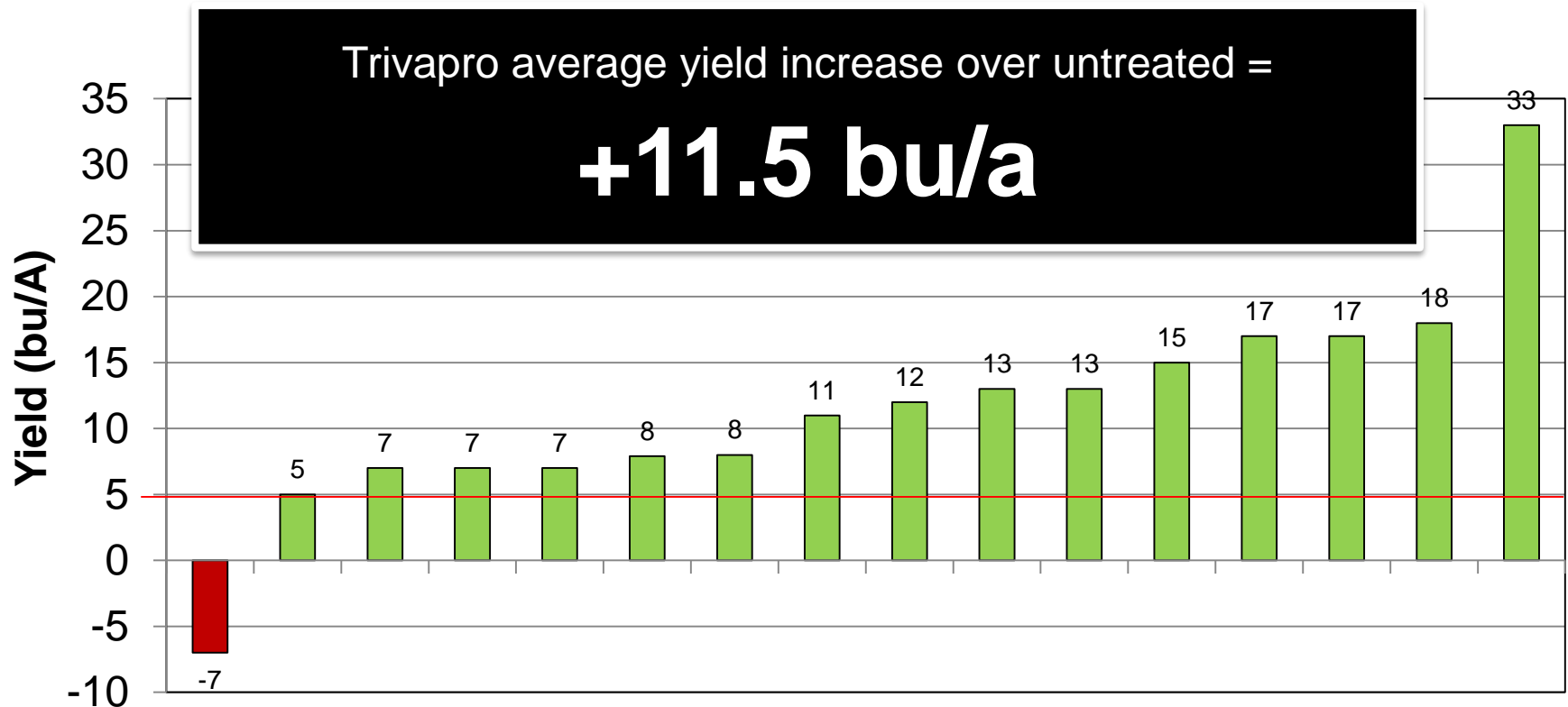
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Trivapro performance summary (V4-V8)



Trial Information: Data from 16 non replicated hybrid/locations
Application Rates and Timing: Trivapro 14.5 oz/A, applied at V4-V8
ROI calculation based on commodity price of \$3.50/bu corn and Trivapro cost of \$17/acre.

Product performance assumes disease presence.

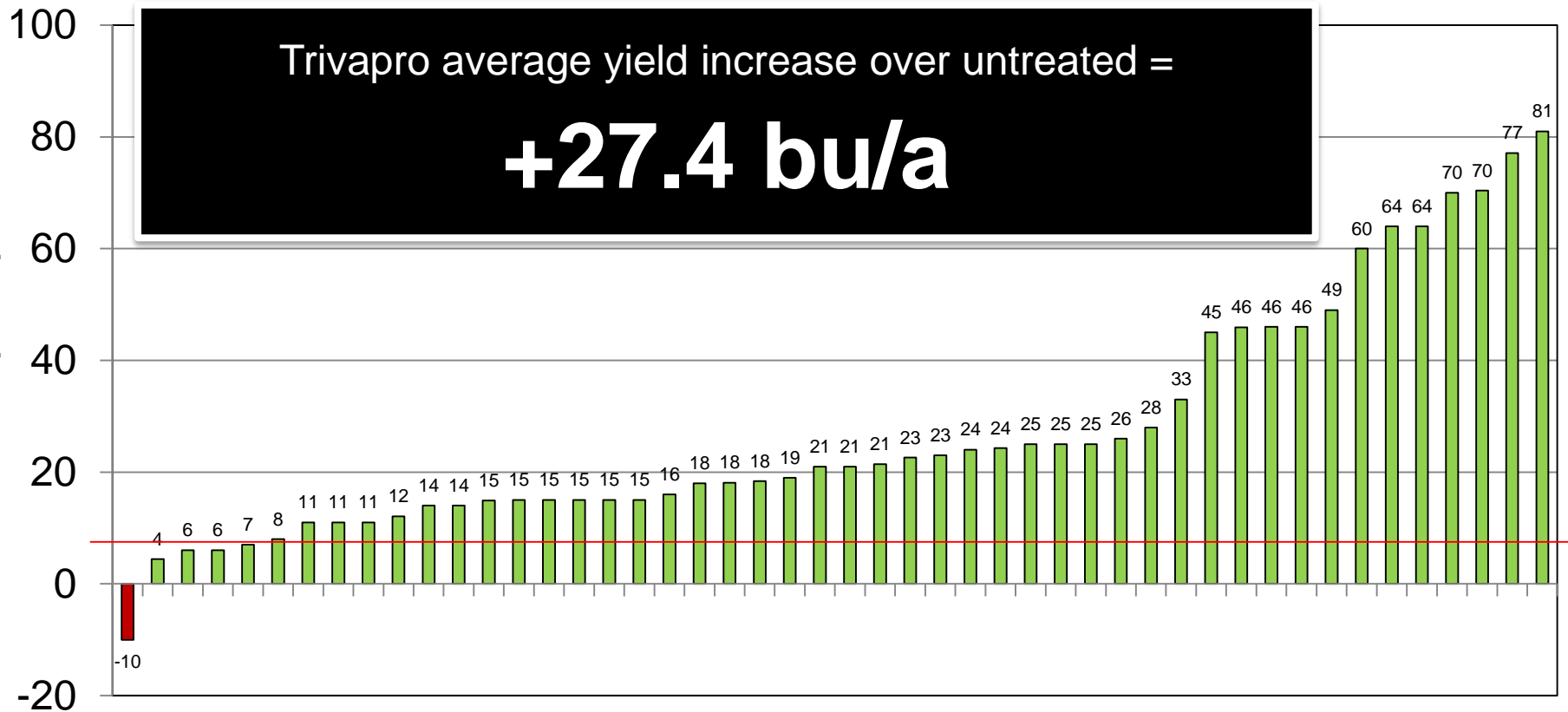
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Trivapro performance summary (R1)



Trial Information: Data from 48 non replicated hybrid/locations

Application Rates and Timing: 4.1 oz/A Trivapro A and 10.5 oz/A Trivapro B, applied at R1

ROI calculation based on commodity price of \$3.50/bu corn, Trivapro cost of \$17/acre and \$10 R1 application cost.

Product performance assumes disease presence.

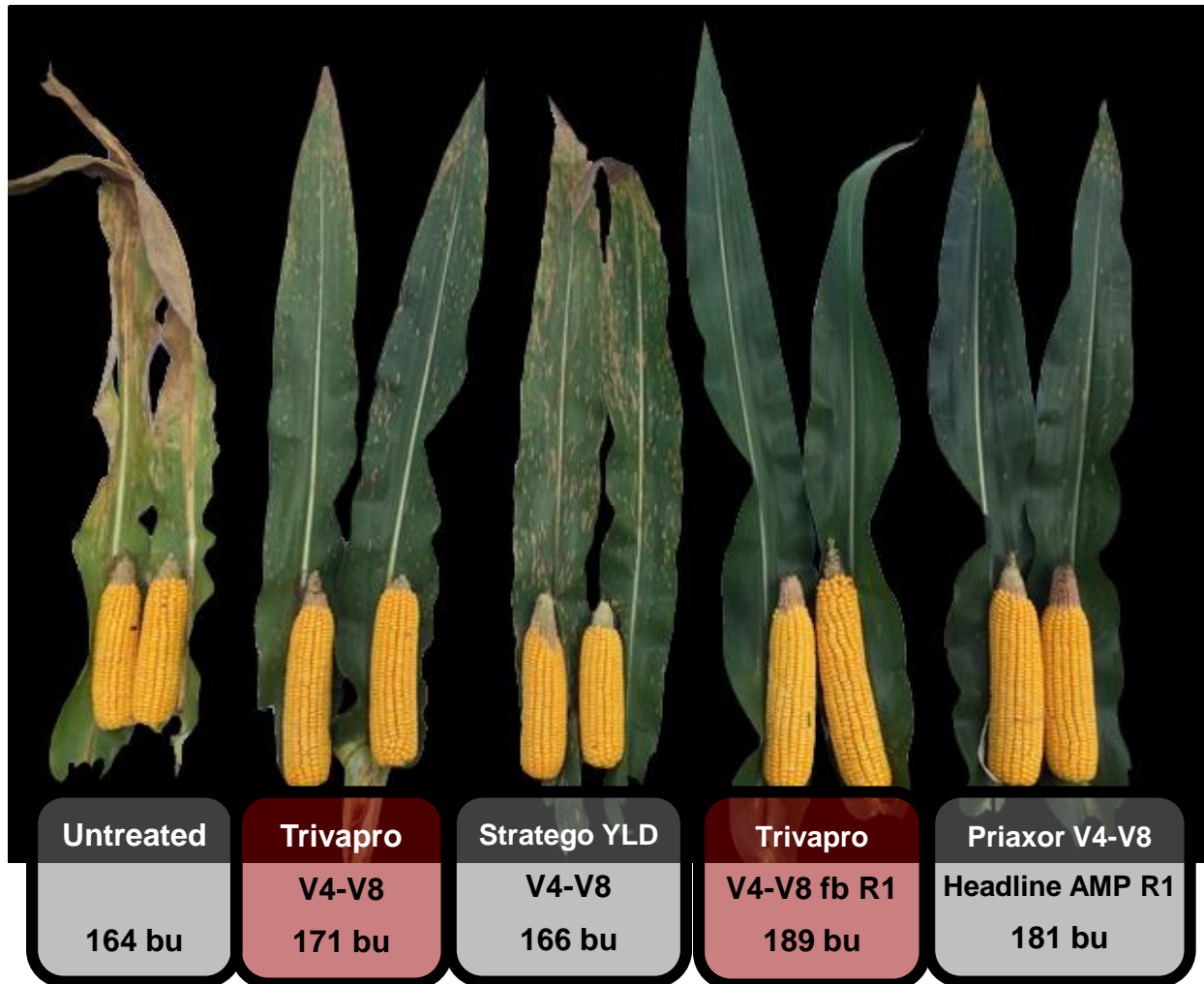
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What does “harder working” look like in corn?



Source: Amanda Kohlen, Derrick LeBeau, 2016

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Trivapro outlasted the competition

Trivapro (V8)



Aproach (V8)



Stratego YLD (V8)



Arlington, WI (2016)

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V5 Application – Trivapro outlasts generics

Generic strobilurin + propiconazole



Trivapro (V5)



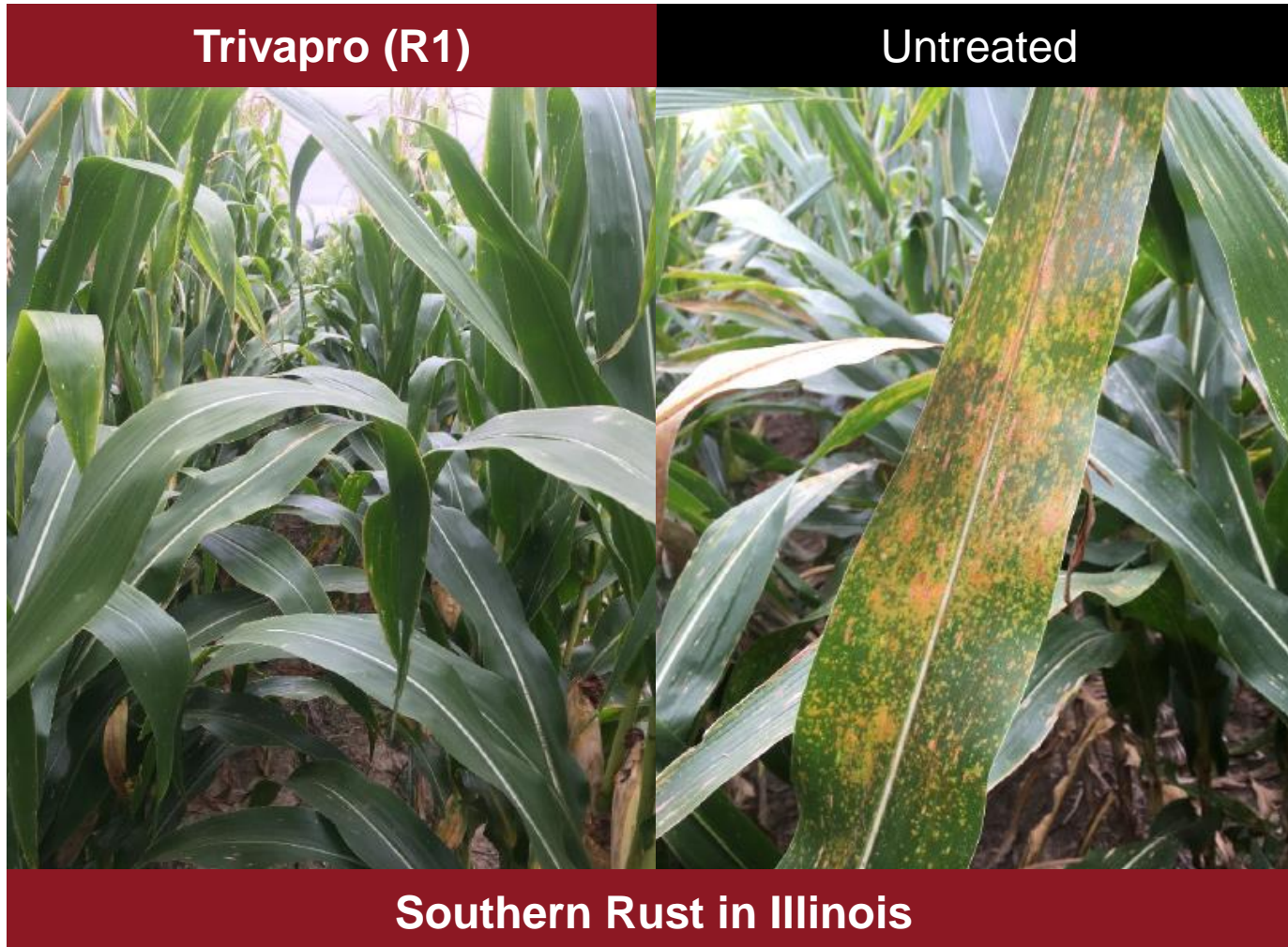
Southern Illinois – Southern rust and grey leaf spot

Source: Barry Beaupre, 2016

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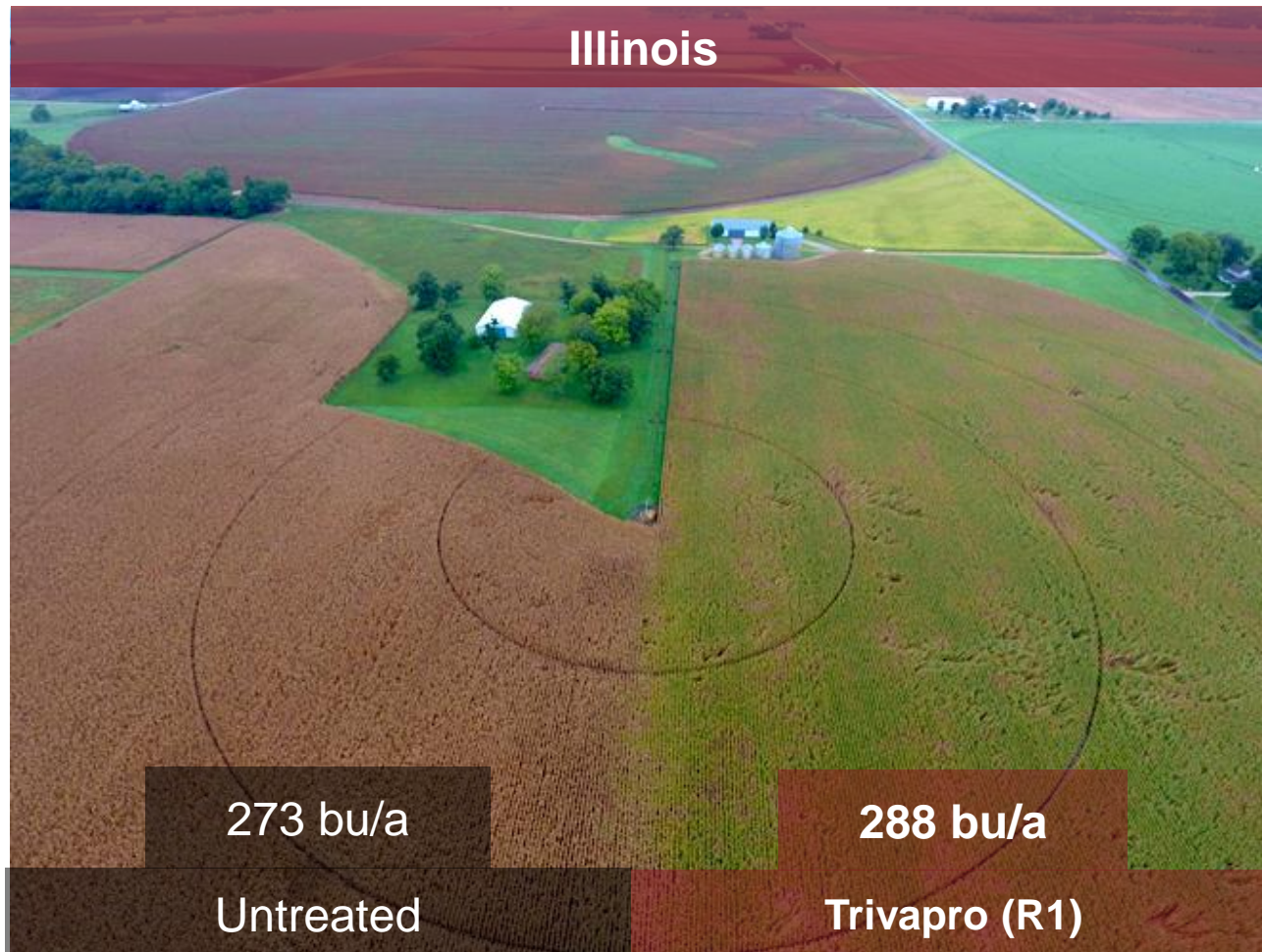


What does “harder working” look like in Corn?



Southern Rust in Illinois

The difference between *dying* down and *drying* down



Grower Testimonial:

“The corn was blown over prior to application and had some lodging. The treated side was easier to get into the combine and the stalk quality on the untreated was much poorer”

Trivapro yielded
+15 bu/a over
untreated

Additional revenue = \$53 per acre

Source: Kelsey Vance, 2016

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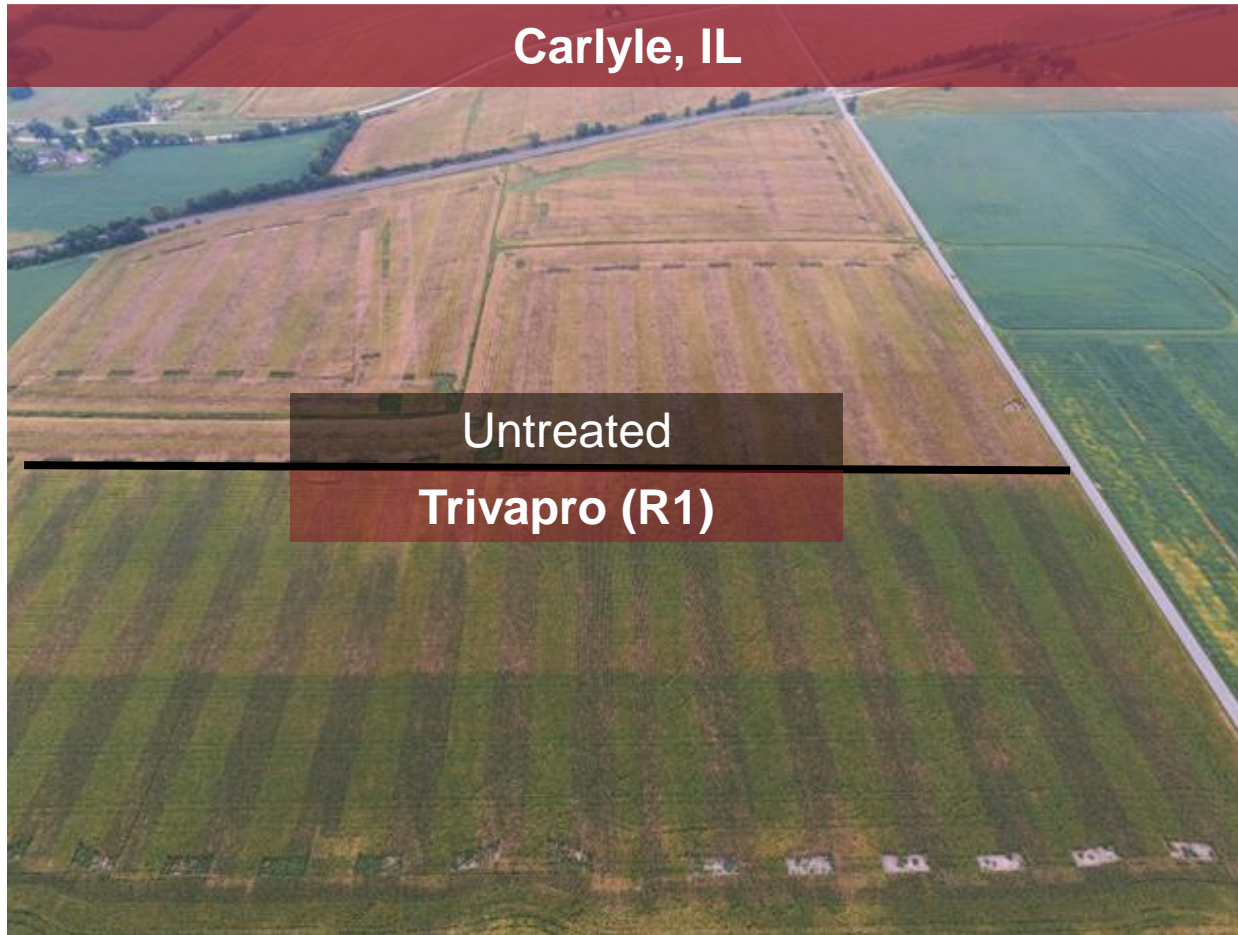
Revenue calculations based on commodity prices of \$3.50/bu (corn), \$8.50/bu (soybeans) and \$4.00/bu (wheat).



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The difference between *dying* down and *drying* down



Source: Cade Garrett, 2016

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The difference between *dying* down and *drying* down



Source: Dustin Hinschberger, 2016

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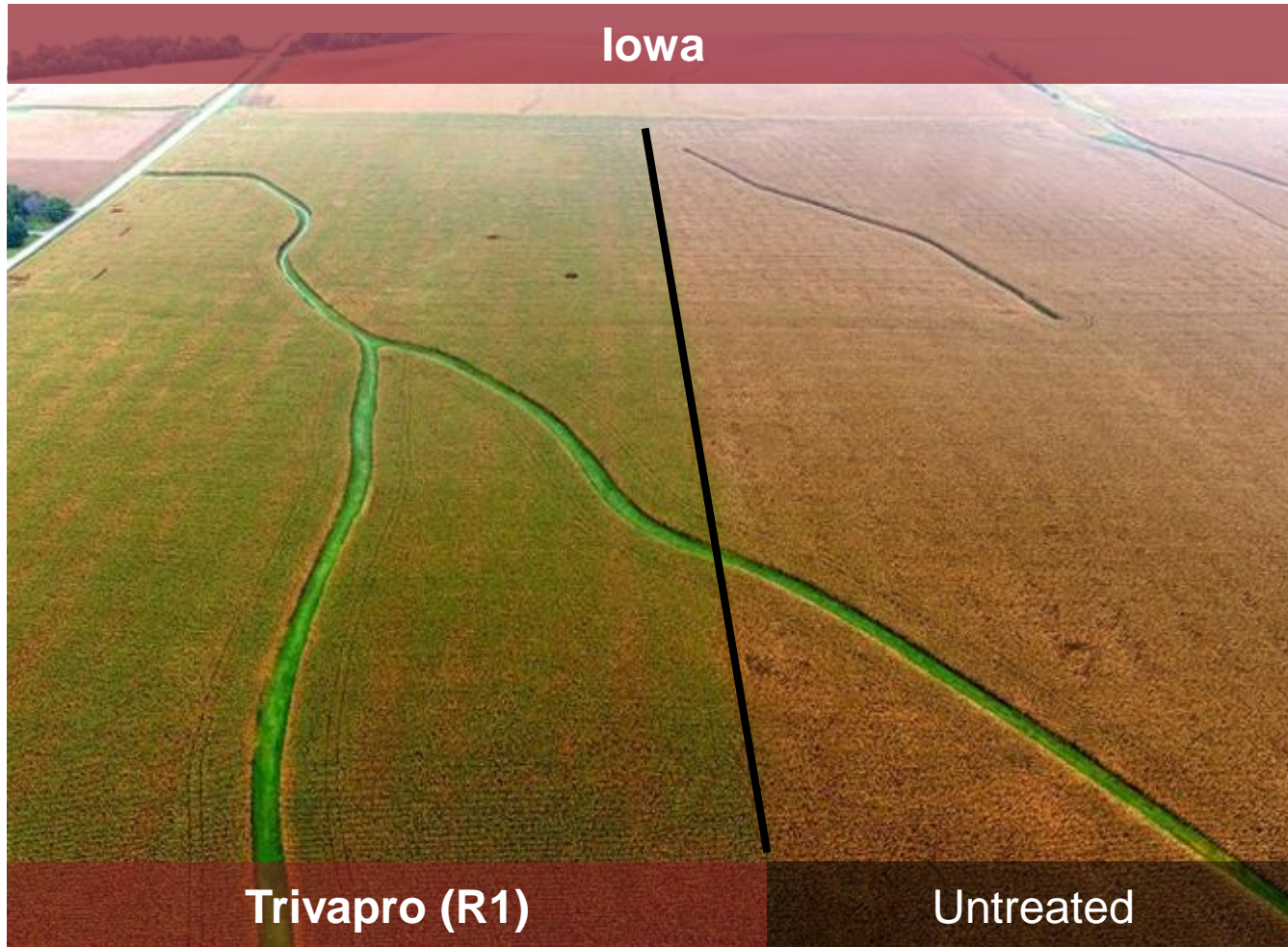
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The difference between *dying* down and *drying* down



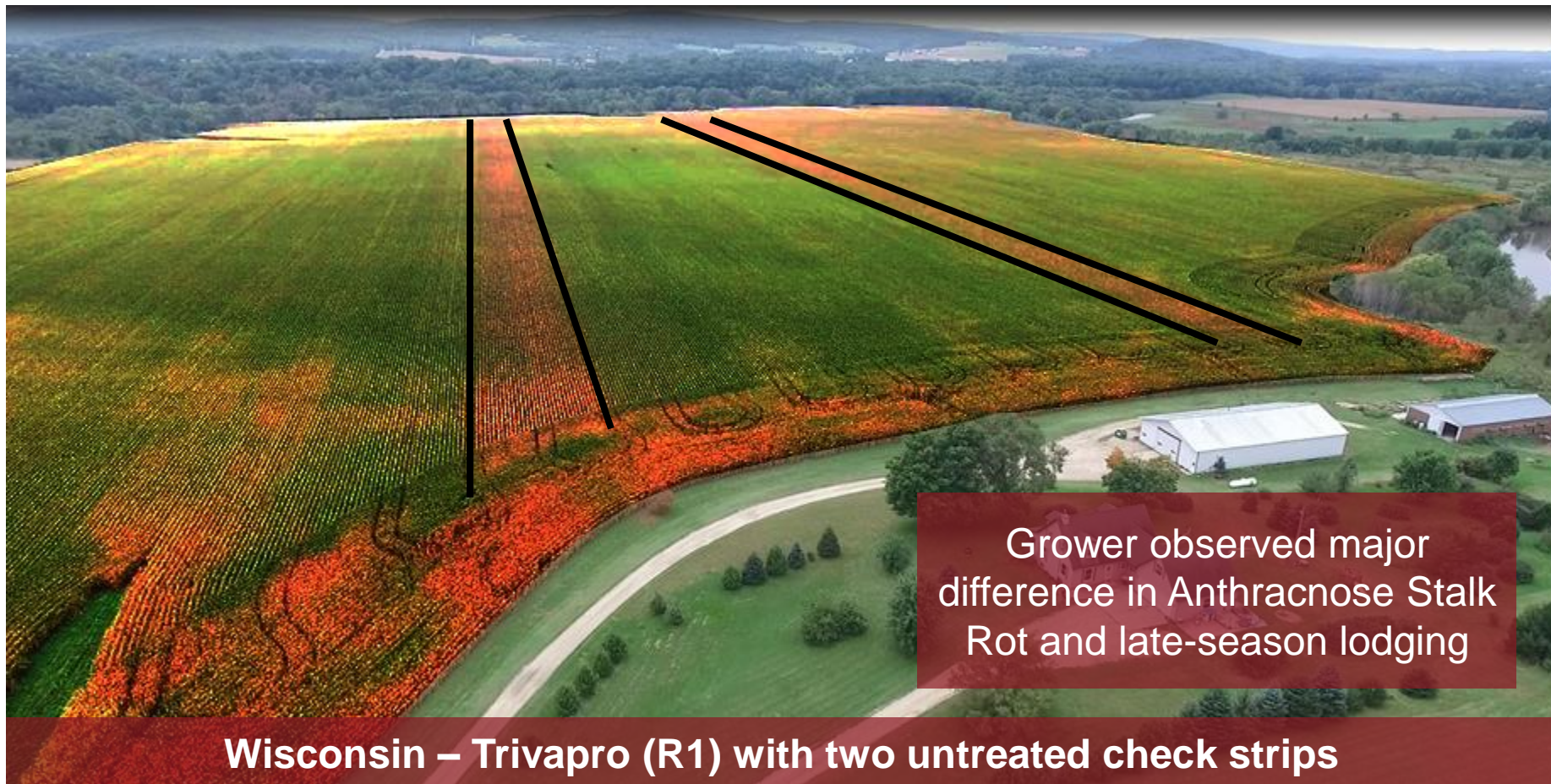
Source: Dustin Hinschberger, 2016

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The difference between *dying* down and *drying* down low disease pressure



Source: Marty Liegel

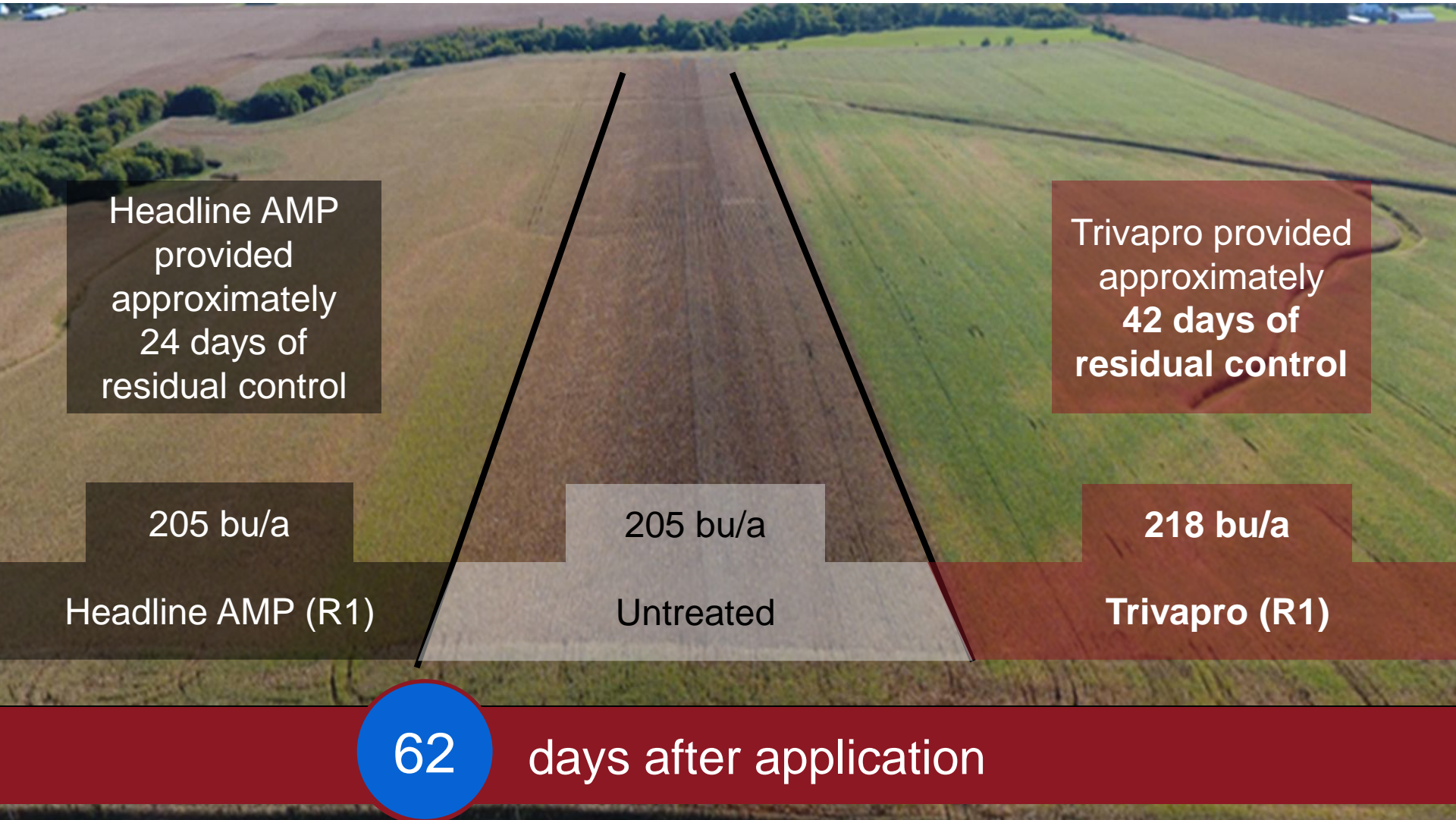
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Innovative Ag Services Field Trial –

Maynard, IA (2016)



Headline AMP provided approximately 24 days of residual control

Trivapro provided approximately 42 days of residual control

205 bu/a

205 bu/a

218 bu/a

Headline AMP (R1)

Untreated

Trivapro (R1)

62

days after application

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Maximize ROI with Trivapro

Untreated

Trivapro



Pana, Illinois (2016)



Trivapro yield: +24 bu/a
Additional revenue =
\$84 per acre

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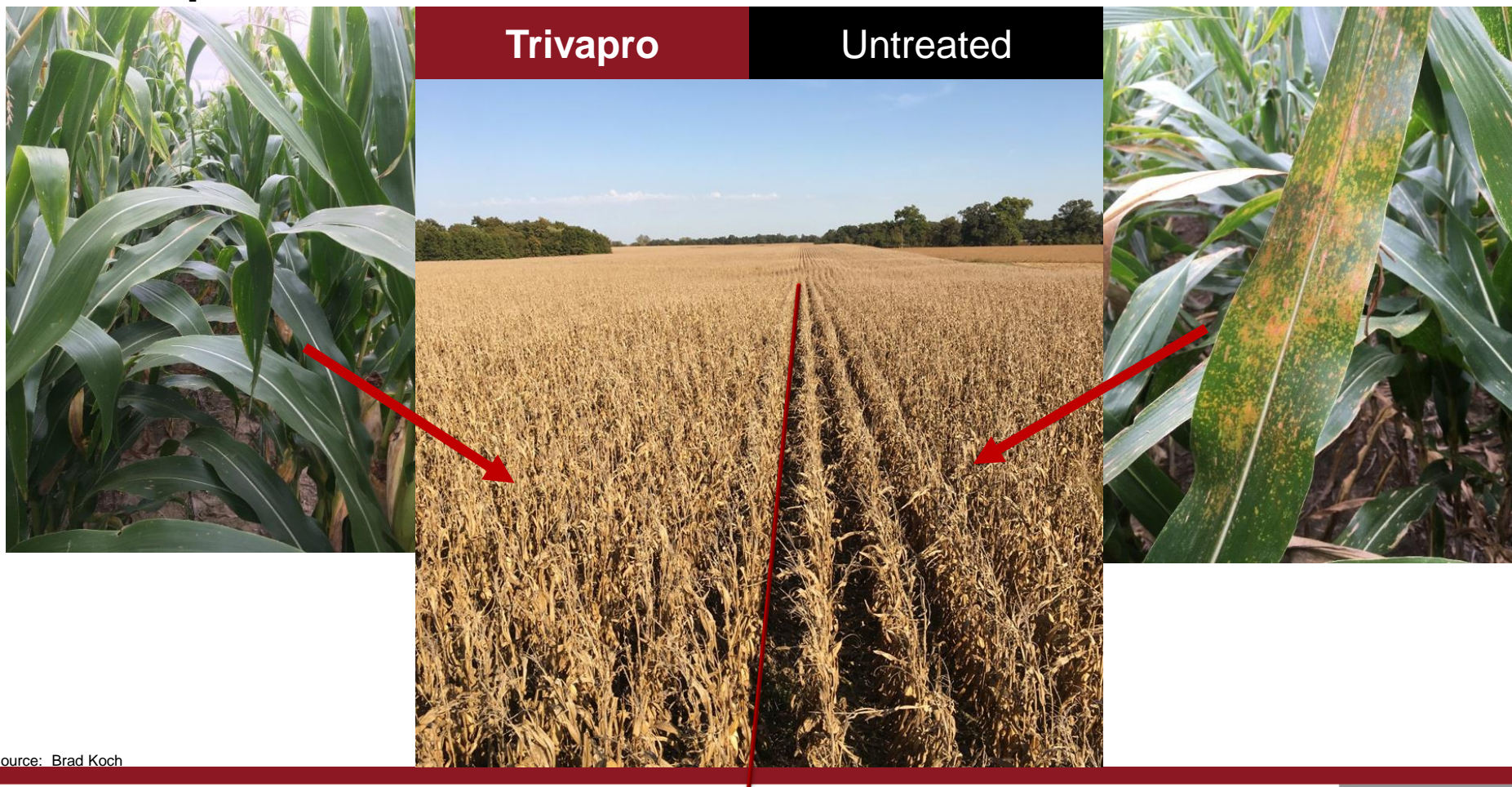
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See the Difference Trivapro Makes

 **Trivapro™**

Untreated (S. Rust and GLS)



Source: Brad Koch

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Revenue calculations based on commodity prices of \$3.50/bu (corn), \$8.50/bu (soybeans) and \$4.00/bu (wheat).



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Trivapro helps reduce lodging and increase harvest efficiency

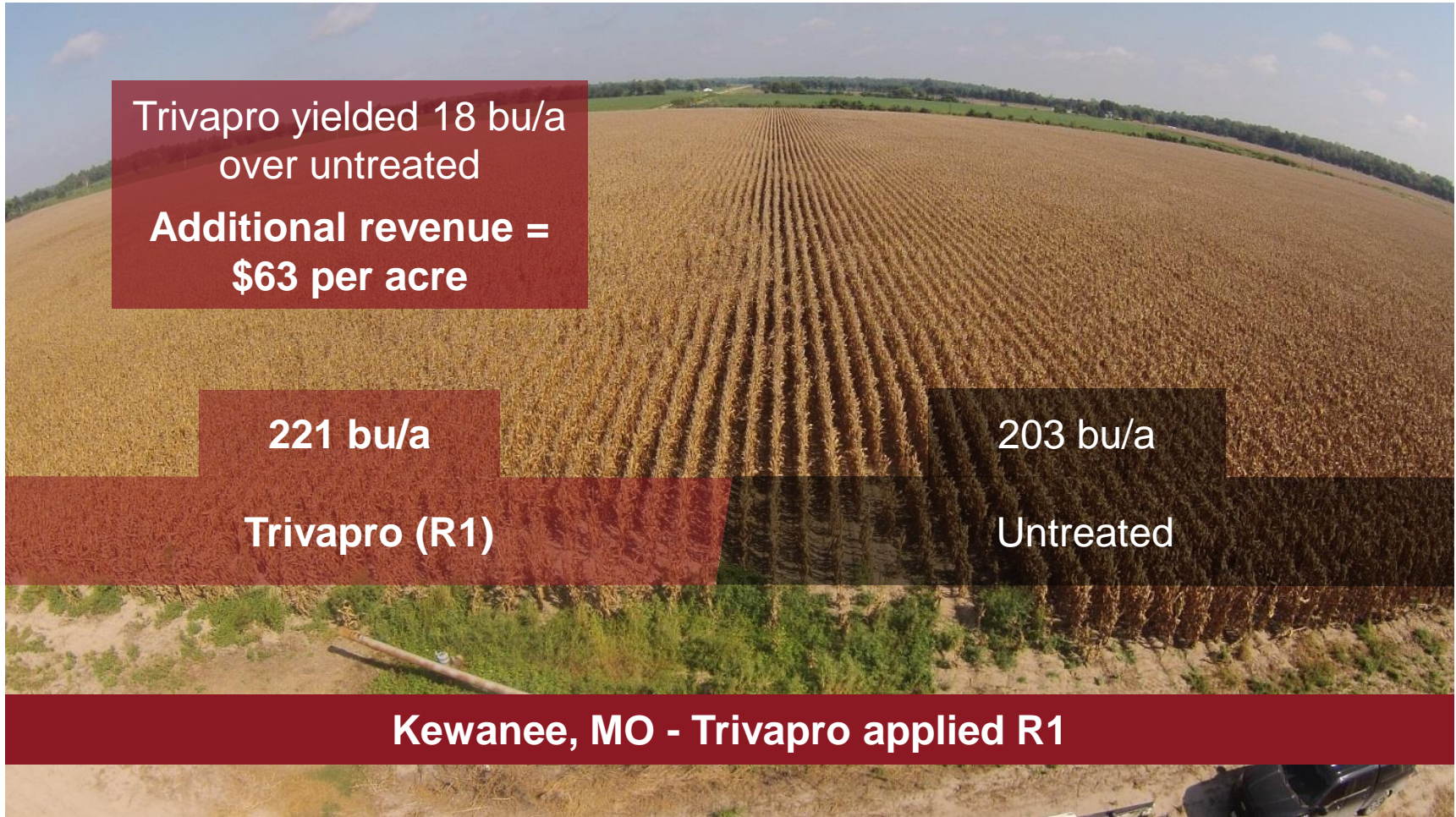


Source: Barry Beaupre, 2016

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Positive ROI with Trivapro



Source: Keith Driggs, 2016

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What does “harder working” look like in corn?

Illinois – Trivapro application at R1



Calculated Yield: **254 bu...**

Albert- Trivapro

E 300 North Rd Cerro Gordo, IL 61818

Plant Population 35,000 Per Acre

Kernels 90,000 Per Bushel

Ear	Number of Rows	Length of Row
1	18	36
2	20	34
3	16	39

Trivapro



Calculated Yield: **233 bu...**

Albert- Non Trivapro

Cerro Gordo, IL 61818 United States

Plant Population 35,000 Per Acre

Kernels 90,000 Per Bushel

Ear	Number of Rows	Length of Row
1	18	36
2	16	35
3	16	37

Untreated

Source: Doug Sutton, 2016

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See the Difference Trivapro Makes



Trivapro (R1)



Untreated

Submitted by Mike Porter

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The difference between *dying* down and *drying* down

Trivapro (R1)

Untreated



Rend Lake, IL

Trivapro yield advantage by hybrid:

- G07B39-3111A: +46 bu/a
- G07F23-3111A: +70 bu/a
- G10530-3220: +77 bu/a

Additional revenue per acre by hybrid:

- G07B39-3111A: \$160.65
- G07F23-3111A: \$246.40
- G10530-3220: \$269.85

Source: Barry Beaupre, 2016

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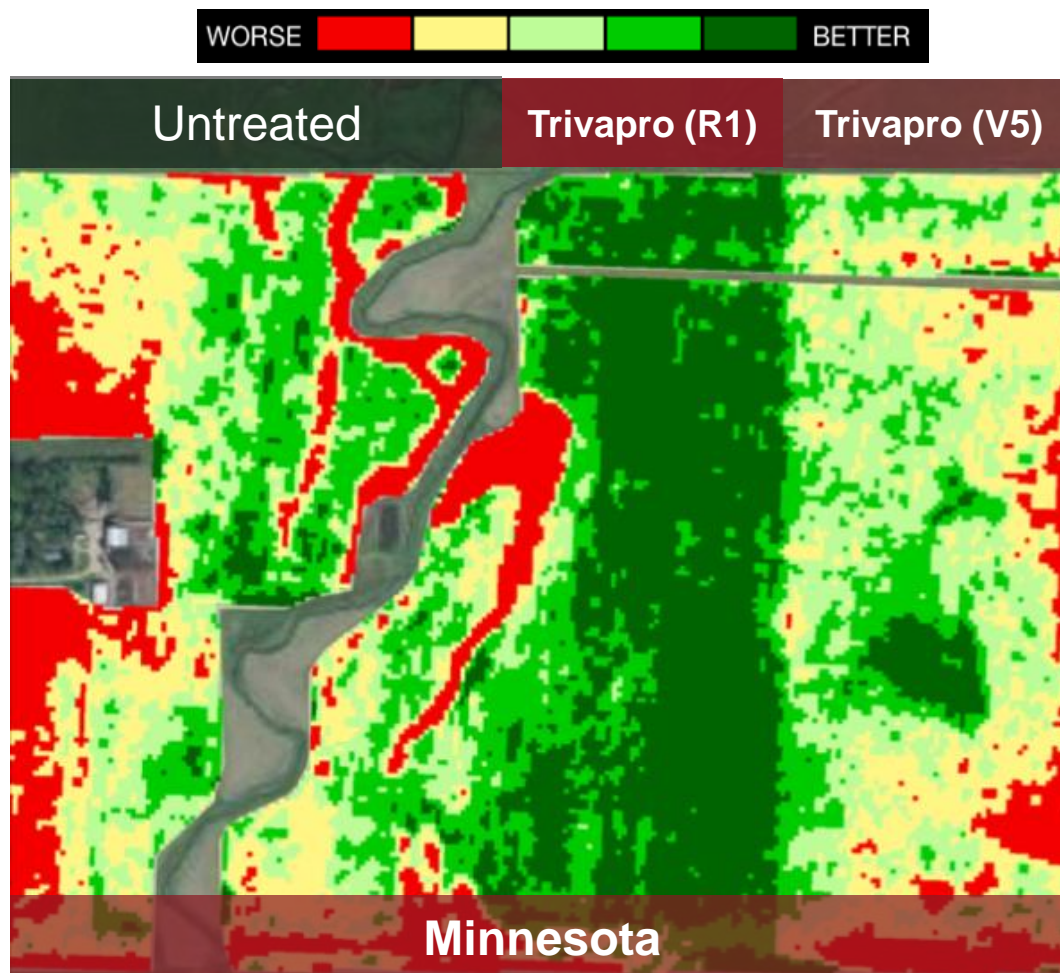
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The difference between *dying* down and *drying* down



Source: Matt Henning, 2016

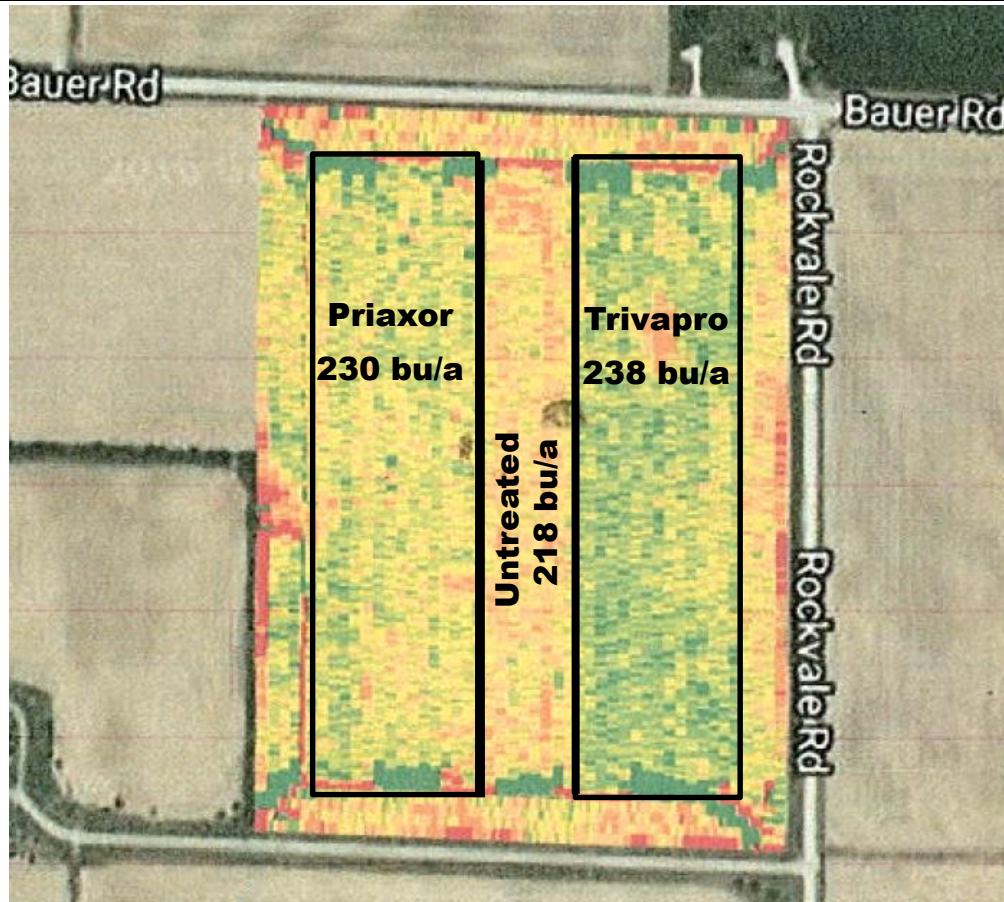
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See the Difference Trivapro Makes

Wisconsin



YIELD RESULTS:

Untreated- 218 bu/a

Priaxor- 230 bu/a

Trivapro- 238 bu/a

Trivapro yielded

+20 bu/a

over untreated

Source: Jordan Redman

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What does “harder working” Anthracnose Stalk Rot control look like in Corn?



Source: Marty Liegel, 2016

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Trivapro Stalk Strength



Trivapro

Untreated



Trivapro

Untreated



Trivapro

Untreated

Source: Kelsey Vance

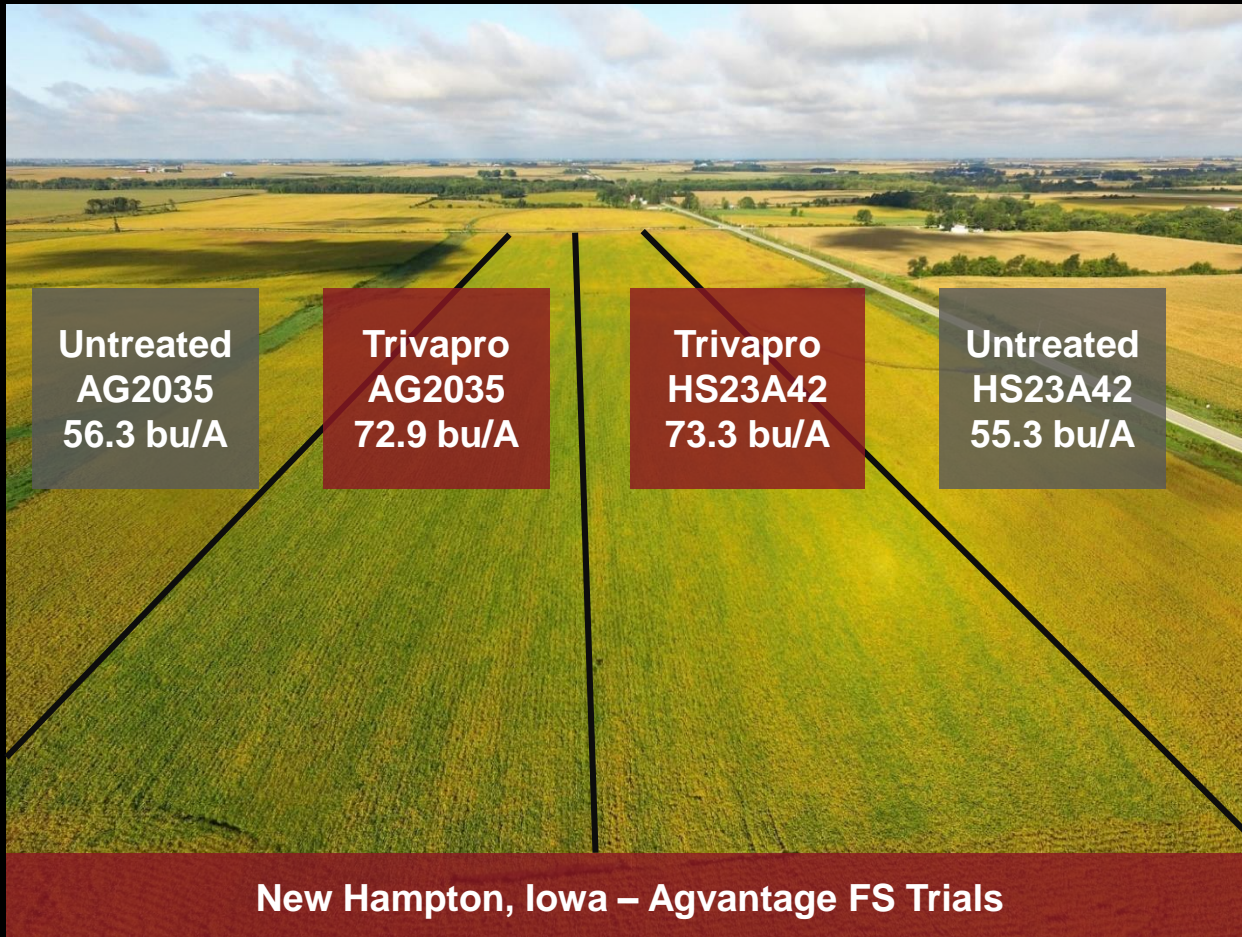
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What does “Longer Lasting” look like in soybeans?



“What really caught my eye was the visual difference in the plant health.”

— Corey Hackman

Product performance assumes disease presence.

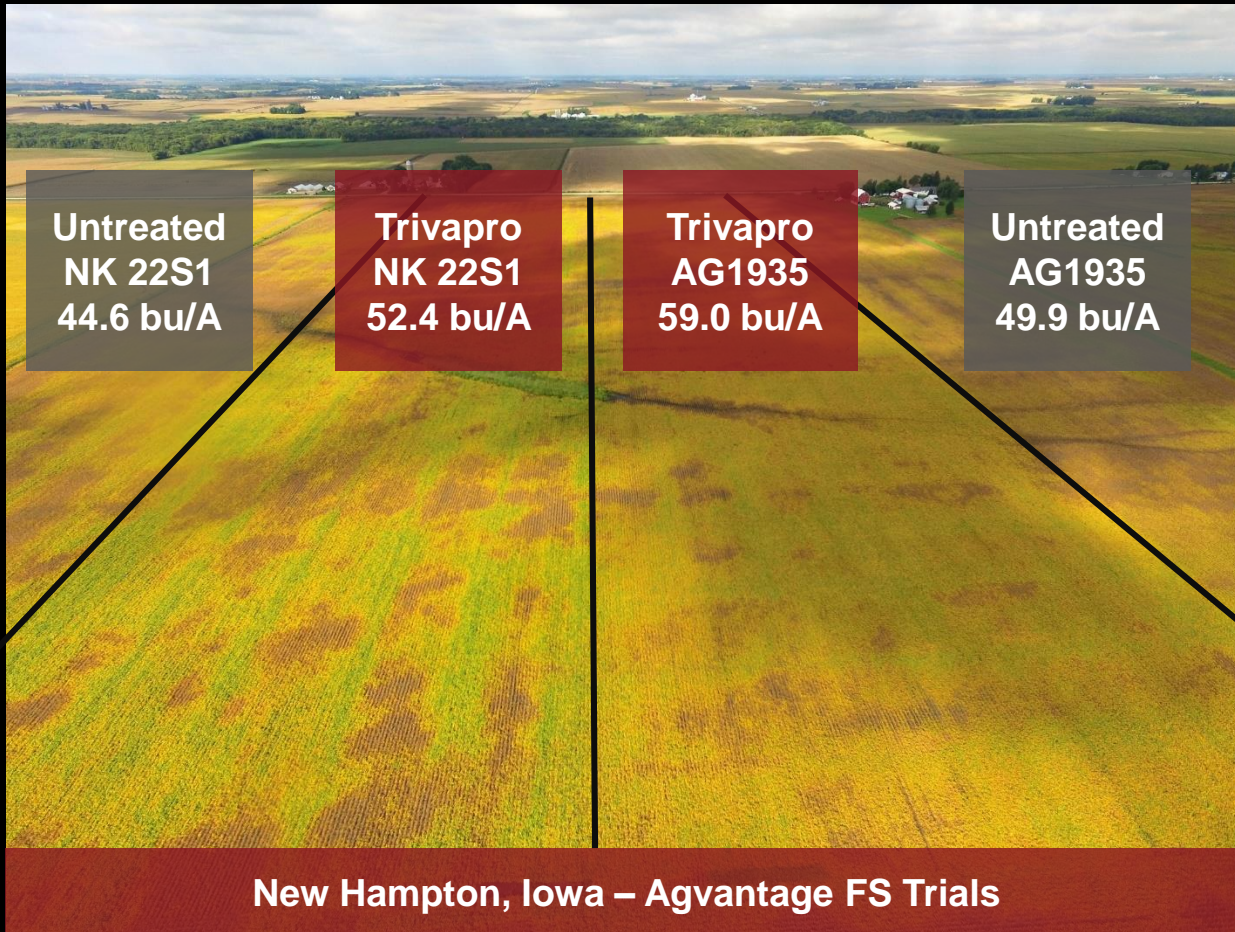
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What does “Longer Lasting” look like in soybeans?



“You could see it from the road driving by and when you stopped to look at in the field you could notice a real difference between treated vs. non-treated.”

– Corey Hackman

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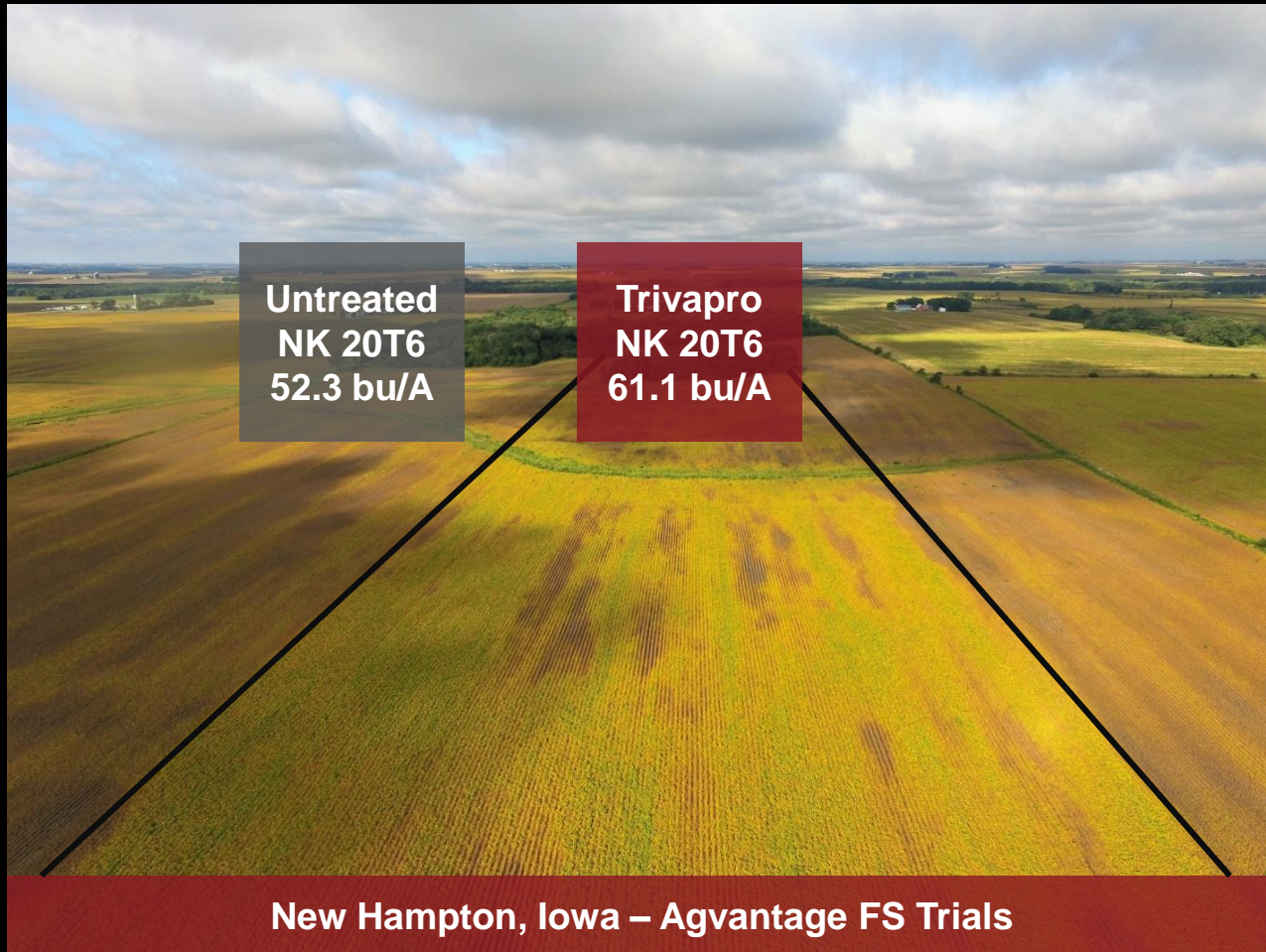
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Trivapro Fungicide Tank Mix Instructions

1 In 2017 Trivapro® fungicide will be offered as a premix.

- This formulation is a suspo-emulsion and contains 0.25 lb of benzovindiflupyr, 0.92 lb of azoxystrobin, and 1.04 lb of propiconazole active ingredient per gallon.
- Trivapro will be offered in 2 x 2.5 USG cartons, 264 USG mini bulk tanks, and in bulk tanks.

2 Carrier volumes

- Carrier - water
- Ground application spray volume: 10 – 20 GPA
- Aerial application spray volume: 2 – 5 GPA
- Chemigation application: 0.1 – 0.25 inch/acre

3 Mixing order

- Using Trivapro fungicide with or without adjuvant (no other mix partners)
 - Add ½ - ¾ of the required water to the spray tank.
 - With the agitator running, add Trivapro fungicide.
 - Allow the material to completely disperse into the mix water; continue agitation while adding the remainder of the water.
 - If adding an adjuvant, add it last.
 - Fill tank with water to desired level.
 - Spray the mixture with the agitator running.

- Using Trivapro fungicide with herbicides like Halex® GT (follow the mixing instructions for the herbicide mix partner if they differ from Halex GT)
 - Fill tank ½ full of clean water and start agitation.
 - Add ammonium sulfate (ASM), if including AMS.
 - Add non-ionic surfactant (NIS).
 - Add Halex GT.
 - Add Trivapro fungicide.
 - Fill tank with water to desired level.
- For additional information on pesticide mixing and loading, please visit https://www.greencast.ca/documents/WalesSticker_REV_0815.pdf

4 Agitation

- Keep the mixture agitated thoroughly throughout the application process.

5 Crops and timing

- Corn: V4-V8 and/or R1
- Soybeans: R3
- Wheat: Herbicide Timing and/or Flag Leaf

6 Hot loading

- Mix Trivapro fungicide using correct rates and in adequate water.
- Good agitation must be maintained in the nurse tank.
- Only mix enough product for daily use.
- The mixture should not be left in the nurse tanks without agitation.

Legal

Product performance assumes disease presence.

©2016 Syngenta. **Important: Always read and follow label instructions. Some products may not be registered for sale or use in all states or counties. Please check with your local extension service to ensure registration status. Endigo ZC is a Restricted Use Pesticide.** Trivapro is sold as a combination of separately registered products: Trivapro A and Trivapro B fungicides. Trademarks are the property of their respective owners.

ROI input costs:

- Corn commodity price: \$3.50/bushel
- Soybean commodity price: \$8.50/bushel
- Wheat commodity price - \$4.00/bushel

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Endigo ZC is highly toxic to bees exposed to direct treatment on blooming crops and weeds. Do not apply this product or allow it to drift onto blooming plants while bees are foraging adjacent to the treatment area.