



# Introducing: Victrato Seed Treatment



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# TYMIRIUM® technology Development Timeline



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# Soybean Label

## Protection From the Following Pests:

- Sudden Death Syndrome (*Fusarium virguliforme*)
- Plant parasitic nematodes
  - Soybean Cyst
  - Root Knot
  - Reniform
  - Lesion
  - Lance
- Suppression of Red Crown Rot (*Calonectria ilicicola*)
- Early-Season Suppression of Foliar Diseases
  - Septoria Brown Spot (*Septoria glycines*)
  - Frogeye Leaf Spot (*Cercospora sojina*)
  - Target Spot (*Corynespora cassiicola*)

## Rate:

- 0.075 mg ai/seed
- 50g ai/100kg soybean seed
- 0.714 fl oz/140K
- Assumes 3,000 seeds/pound

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# Nematode Protection Performance

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 **Victrato®**  
TYMIRIUM® technology

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# Victrato SCN\* replicated field trials (2015-2024)

Victrato® Rate (mg ai/Seed)	Paired Treatment	Paired Rate (mg ai/seed)	n	Time Period	Percent Wins (%) Over Paired Treatment	Mean Yield Difference (bu/A)
0.075	Check	Check	124	2015-2024	83	+3.7
0.075	FLPM	0.075	68	2020-2024	74	+2.9
0.075	FLPM	0.15	111	2015-2024	72	+1.9
0.075	ABA	0.15	124	2015-2024	74	+2.0

FLPM = Fluopyram (ILEVO®); ABA = abamectin (Avicta® 500 FS)

Trial locations: FL, IA, IL, IN, KY, LA, MI, MN, NC, ND, NE, OH, SD, WI

\*Nematode pressure  $\geq$  500 SCN eggs/100 ccs soil

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# 2023 Arkansas Trial

## Field History:

- Extremely heavy root knot nematode pressure
- Little rainfall in July and August

## Date of photo:

- Sep 6, 2023



**TYMIRIUM® technology +  
CruiserMaxx® APX**

**CruiserMaxx® APX**

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# Victrato Root Knot Nematode replicated field trials (2018-2024)

Victrato® Rate (mg ai/Seed)	Paired Treatment	Paired Rate (mg ai/seed)	n	Time Period	Percent Wins (%) Over Paired Treatment	Mean Yield Difference (bu/A)
0.075	Check	Check	14	2018-2024	86	+5.4
0.075	FLPM	0.075	12	2020-2024	83	+3.8
0.075	FLPM	0.15	14	2018-2024	64	+1.7
0.075	ABA	0.15	14	2018-2024	86	+2.8

FLPM = Fluopyram (ILEVO®); ABA = abamectin (Avicta® 500 FS)

Trial locations: AL, AR, FL, GA, IL, LA, MS, NC, TN

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# Sudden Death Syndrome Performance

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# Yield Increase Across Trials with SDS Pressure

Victrato® (50g) vs. Soltro® (50g) Under Moderate-Heavy SDS Pressure



Disease pressure = Significant difference between the CruiserMaxx® Vibrance® check & Soltro® fungicide seed treatments in one disease assessment or more.

Field trials (n=23); IA, IL, KS, KY, MI, MN, TN and WI 2018-2021

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# Red Crown Rot Suppression Performance

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TYMIRIUM® technology

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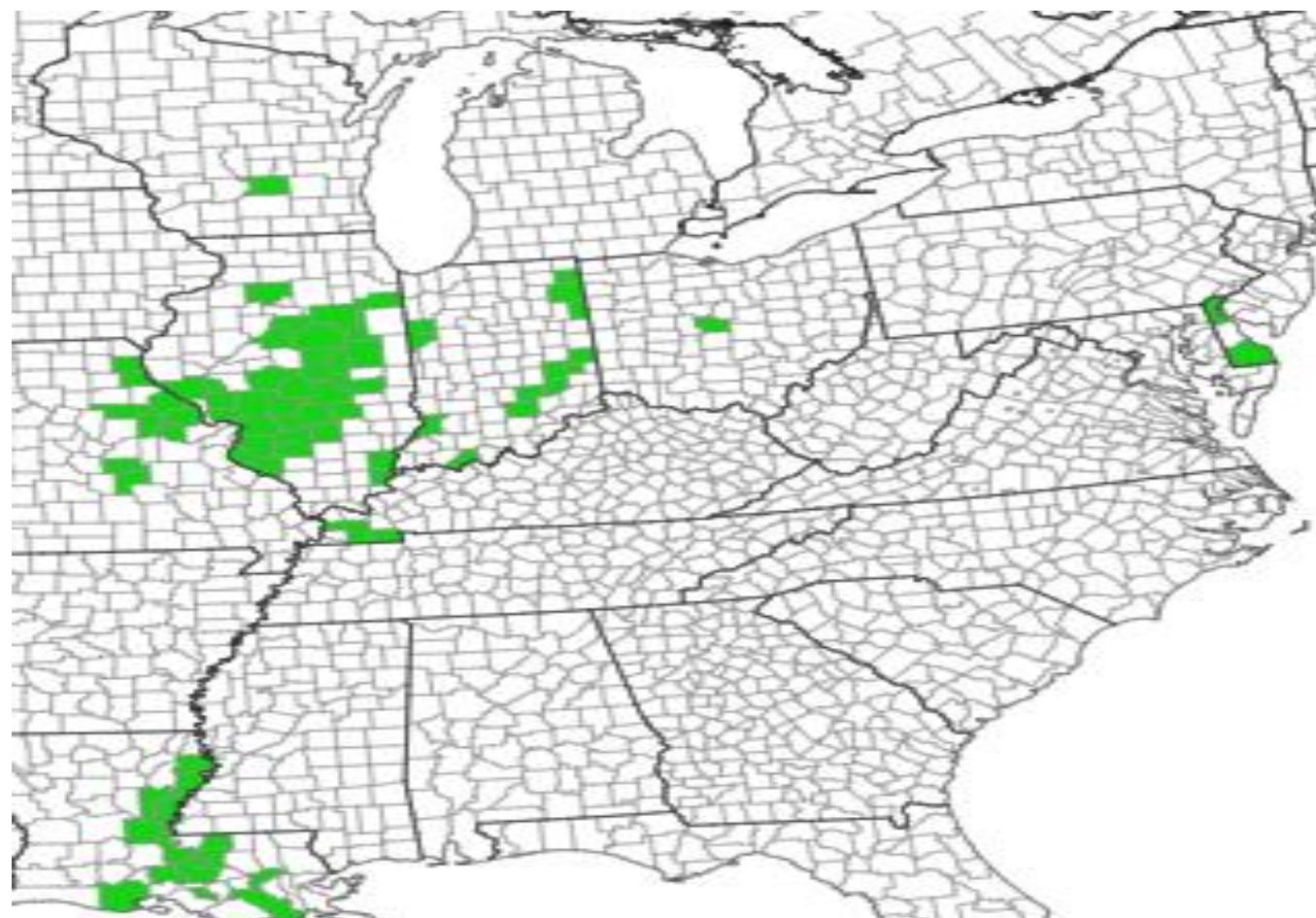
# Red Crown Rot US Distribution Within Soybean Growing Regions

2019

2019 Red Crown Rot Survey



2025



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# Red Crown Rot History



- Red Crown Rot (RCR) is caused by *Calonectria ilicicola*; a soilborne fungus
  - This fungus also causes Cylindrocladium black rot of peanut
- First reported in USA in 1972; also reported in Asia and Australia
  - Confirmed in AL, AR, GA, IL, IN, KY, LA, MS, MO, NC, SC, TX & VA
- Relatively new soy disease in lower central US Midwest; currently NOT a major disease in USA.
- The literature reports there are subtle varietal differences in susceptibility in soybean and peanut.
  - NO soybean lines are reported to be moderately or highly resistant/tolerant
- September 2018 U of IL Extension reported RCR infection near Pittsfield, IL (between Jacksonville and Quincy or west of Springfield, IL)
  - The first confirmed field report of RCR in Kentucky in 2021
- Field yield losses reported in heavy RCR spots can reach up to 40-50%; more often 20-25%

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# Replicated Red Crown Rot Trial – 8/13/25

Southern IL



Syngenta Trials – Southern IL – 08/13/2025  
MCG – 09/2025. Results may vary by geography  
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# Replicated Red Crown Rot Trial – 8/22/25

Southern IL



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# Replicated Red Crown Rot Trial – 8/29/25

Southern IL



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# Replicated Red Crown Rot Trial – 9/9/25

Southern IL



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# Replicated Red Crown Rot Trial – 9/12/25

Southern IL



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# Replicated Red Crown Rot Trial – 9/23/25

Southern IL



Syngenta Trials – Southern IL – 09/23/2025  
MCG – 09/2025. Results may vary by geography  
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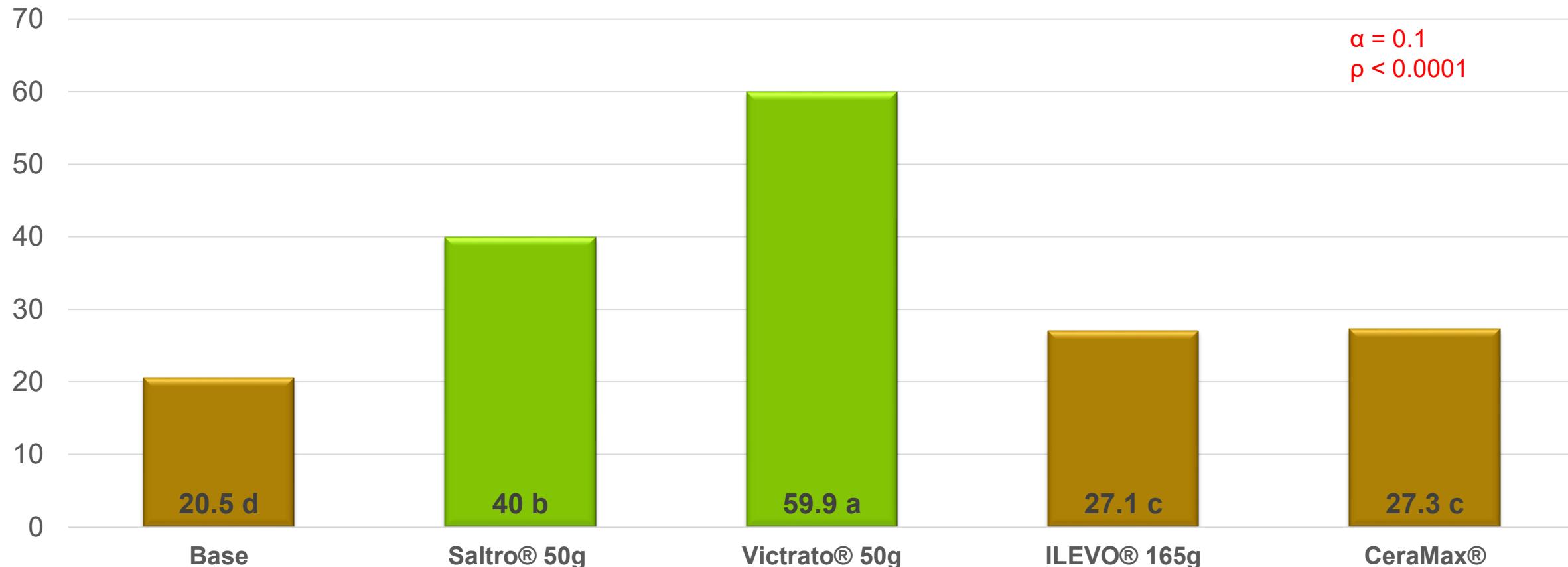
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# 2025 Soybean Red Crown Rot Replicated Trial (*Calonectria ilicicola*)

## Yield (Bu/A) – Madison County, IL



Base = CruiserMaxx® APX (on all treatments)

USNS0T0782025 / K. Schwarz / CRO

Levels not connected by same letter are significantly different.  $\alpha = 0.1$  2025

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# Replicated Red Crown Rot Trial Progression – 8/7/24

## Southern IL



Syngenta Trials – Southern IL – 08/7/2024

MCG – 9/2024. Results may vary by geography

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# Replicated Red Crown Rot Trial Progression – 8/13/24 – 6 days later Southern IL



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# Replicated Red Crown Rot Trial Progression – 8/23/24 – 10 days later Southern IL



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# Replicated Red Crown Rot Trial Progression – 9/13/24

## Southern IL



Syngenta Trials – Southern IL – 08/7/2024  
MCG – 9/2024. Results may vary by geography  
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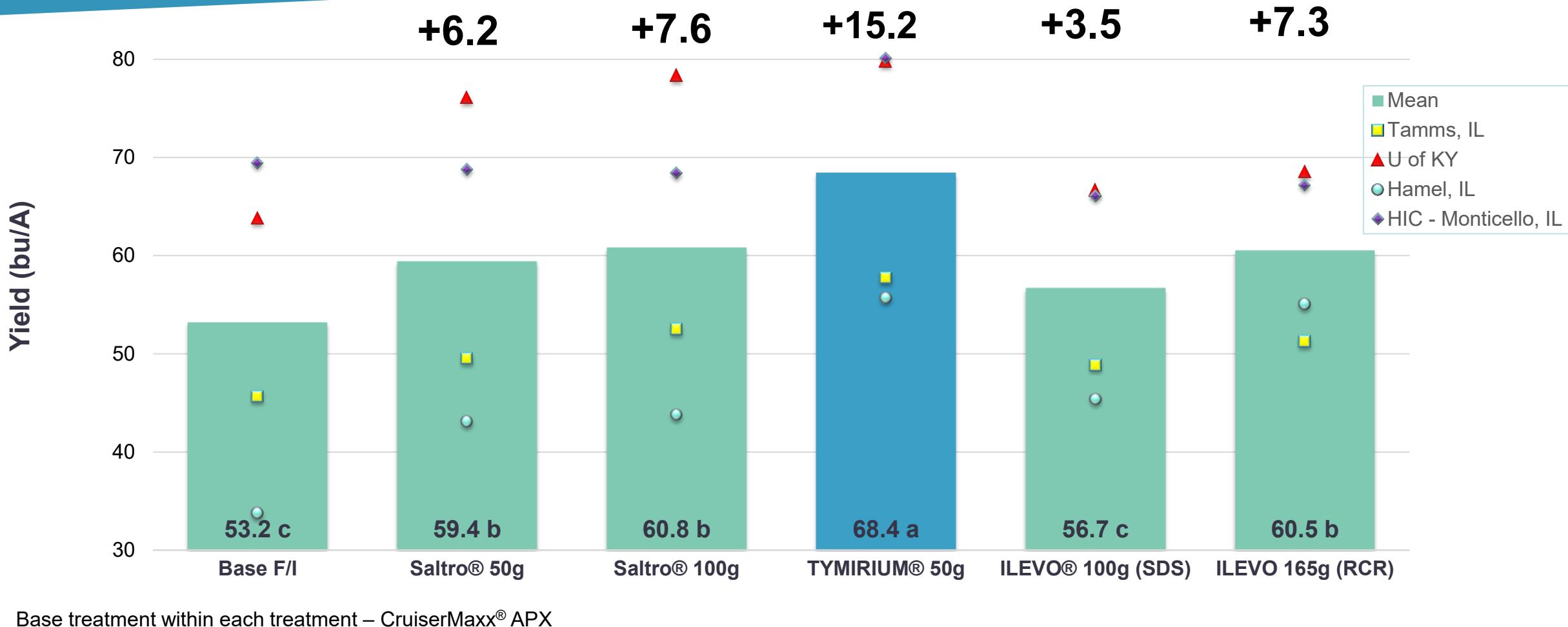
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# Seed Treatment Protection From Red Crown Rot (*Calonectria ilicicola*)

## TYMIRIUM® technology Cross Location Mean Yield – 2024

### Moderate – Heavy Red Crown Rot – IL & KY



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# Victrato and Saltro Seed Treatments on Red Crown Rot – 8/4/25

Greensburg, IN



Syngenta Trials – Greensburg, IN – 08/4/25

CLT – 10/2025. Results may vary by geography

Classification: PUBLIC: Not for Distribution



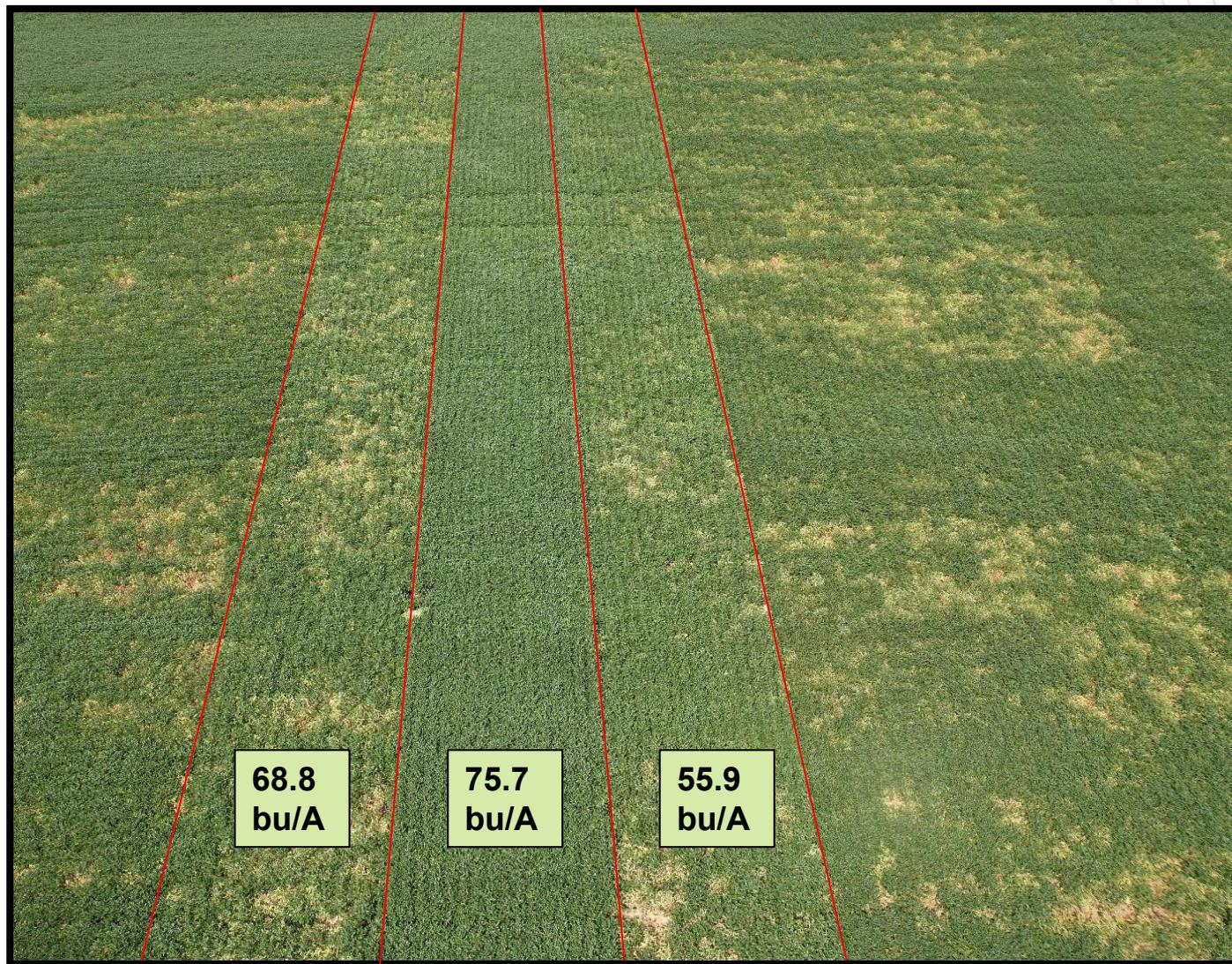
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# Red Crown Rot – 8/4/25

## Greensburg, IN



**Cruisermaxx  
APX + Saltro**

**Cruisermaxx  
APX + Victrato**

**Cruisermaxx  
APX**

Syngenta Trials – Greensburg, IN – 08/14/2025  
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# Foliar Disease Suppression Performance

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 **Victrato®**  
TYMIRIUM® technology

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# Septoria Brown Spot Severity – Entire Plant



USSE0N4012020 D. Black – Arkansas.  
Pioneer 40a47X (FELS/Cercospora sojina susceptible variety) planted 6/5/20  
Disease Severity measured 9/14/20  
Base treatment within each treatment – CruiserMaxx® APX seed treatment

Levels not connected by same letter are significantly different.  $\alpha = 0.1$



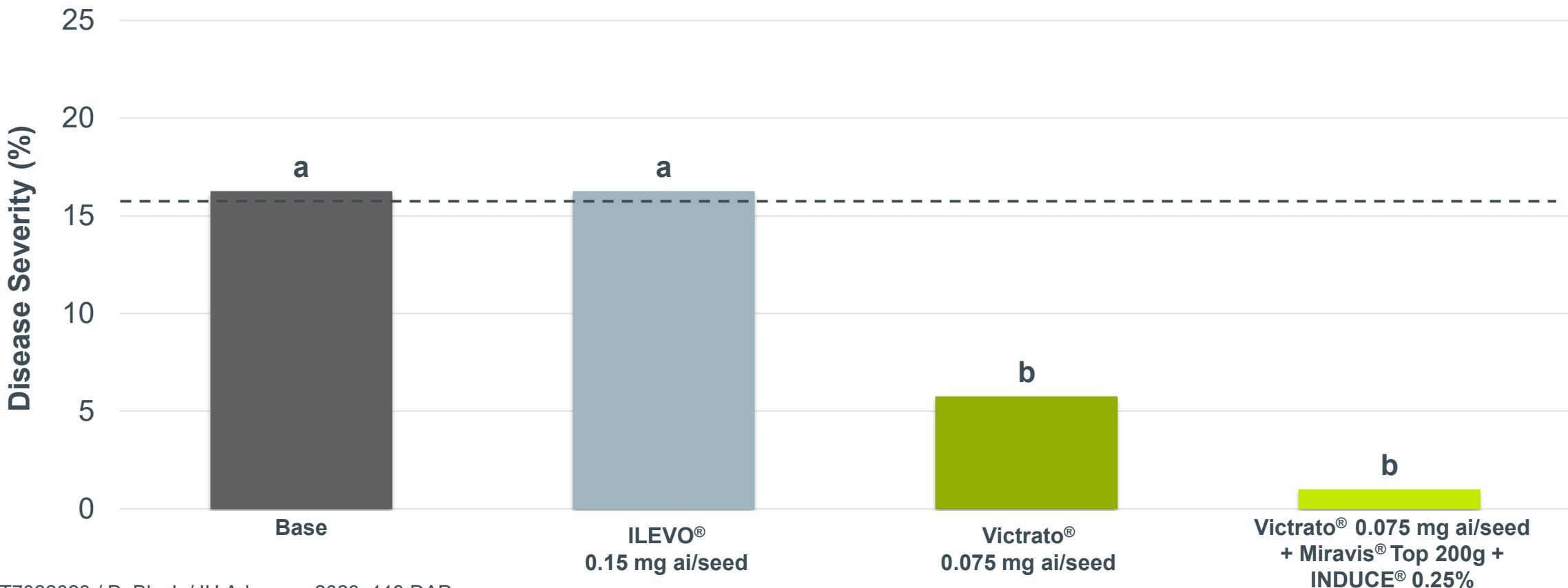
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# Frogeye Leaf Spot Upper Canopy Severity



USSE0T7022023 / D. Black / IH Arkansas 2023; 119 DAP

Base treatment within each treatment—CruiserMaxx® APX seed treatment

Levels not connected by same letter are significantly different.  $\alpha = 0.1$  F test =  $<0.0001$

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