

FIELD EXPERIMENT HISTORY

Title: Corn response to seed fungicides - Valent
Experiment: 08Seed **Trial ID:** 6330 **Year:** 2018
Personnel: J.G.Lauer, T.H.Diallo, K.D.Kohn, Avi Alcalá
Location: Arlington, WI **County:** Columbia
Supported By: Valent USA

Site Information

Field: ARS392 **Previous Crop:** Soybean **Soil Type** Silt Loam
Soil Test: **Date:** 11/08/2018 **pH:** 6.2 **OM (%)** 2.9 **P (ppm)** 14 **K (ppm)** 94

Plot Management

Tillage Operations: Field cultivator 2x

Fertilizer:	<u>Product Analysis</u>	<u>Product Rate</u>	<u>Date</u>
Preplant	46-0-0	325 lbs	04/24/2018
Starter	N/A	N/A	N/A
Post plant	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

Herbicide: Simazine 4L 16 oz/A 05/08/2018 **Insecticide:** See factors
 Resicore 80 oz/A 05/08/2018

Irrigation: None **Hybrid:** Munson 6358

Planting Date: 04/26/2018 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 34000 plants per acre **Planting Method:** Almaco precision planter

Harvest Date: 09/26/2018 **Harvest Method:** MF 8XP

Notes:

Experimental Design

Design: RCB **Replications:** 6
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.6 A
Harvest Plot Size: 5' x 23' **Harvest Plant Density:** 33300 plants per acre

Factors/Treatments:

Seed Treatment:

- 1 - NIPSIT inside Insect
- 2 - NIPSIT INSIDE INSECT MAXIM QUATTRO INTEGO SOLO
- 3 - NIPSIT INSIDE INSECT MAXIM QUATTRO INTEGO SOLO S-2399
- 4 - NIPSIT INSIDE INSECT MAXIM QUATTRO INTEGO SOLO AVEO EZ (MINIMUM 61 BCFU/ML)
- 5 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLOS-2200 RANCONA
- 6 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLO RANCONAS-2399
- 7 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLOTRILEX RANCONAAVEO EZ (MINIMUM 61 BCFU/ML)
- 8 - PONCHO VOTIVO MAXIM QUATTRO INTEGO SOLO
- 9 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLOTRILEX RANCONA
- 10 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLO RANCONATRILEXAVEO EZ (MINIMUM 61 BCFU/ML) VBC-40026

Results: Table: 1808 - 01

Table:1808- 01 .Corn response to seed fungicides - Valent**Arlington, WI - 2018.**

Seed Treatment	Yield		Test	Lodged		Harvest	AGI
	bu/A	%	weight lbs/bu	Total %	Root %	Stalk %	density plants/A \$/A
1 - NIPSIT inside Insect	238	28.7	53.2	9.6	9.6	0.0	33667 701
2 - NIPSIT INSIDE INSECT MAXIM QUATTRO INTEGO SOLO	258	28.0	52.5	3.6	3.1	0.5	32667 764
3 - NIPSIT INSIDE INSECT MAXIM QUATTRO INTEGO SOLO S-2399	254	27.5	53.3	14.0	12.4	1.5	33500 754
4 - NIPSIT INSIDE INSECT MAXIM QUATTRO INTEGO SOLO AVEO EZ (MINIMUM 61 BCFU/ML)	235	28.9	52.1	10.4	9.3	1.1	33000 691
5 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLOS-2200 RANCONA	241	28.6	59.1	7.4	7.4	0.0	33667 712
6 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLO RANCONAS-2399	247	28.6	52.2	11.0	9.5	1.5	33000 729
7 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLOTRILEX RANCONAAVEO EZ (MINIMUM 61 BCFU/ML)	248	28.7	53.0	1.6	1.6	0.0	32833 731
8 - PONCHO VOTIVO MAXIM QUATTRO INTEGO SOLO	239	28.8	52.3	8.2	8.2	0.0	33667 705
9 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLOTRILEX RANCONA	240	28.3	52.6	18.9	17.9	1.0	33333 709
10 - NIPSIT INSIDE INSECT SEBRING 2.65 ST INTEGO SOLO RANCONATRILEXAVEO EZ (MINIMUM 61 BCFU/ML) VBC-40026	239	28.8	53.2	9.4	8.9	0.5	33667 702
Mean	244	28.5	53.4	9.4	8.8	0.6	33300 720
<u>Probability(%)</u>							
Treatment (T)	5.9	58.1	45.5	12.8	24.2	51.5	96.6 4.4
<u>LSD(0.10)</u>							
Treatment (T)	13	NS	NS	NS	NS	NS	NS 39

***AGI - Adjusted Gross Income.**