

FIELD EXPERIMENT HISTORY

Title: Nematode Seed Treatments - WCGA (MacGuidwin)
Experiment: 08Seed **Trial ID:** 5737 **Year:** 2013
Personnel: J.G. Lauer, A. MacGuidwin, K.D. Kohn, and T. Diallo
Location: Arlington, WI **County:** Columbia
Supported By: WCGA

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Plano silt loam
Soil Test: **Date:** 10/1 /13 **pH:** 6.7 **OM (%)** 3.8 **P (ppm)** 68 **K (ppm)** 244

Plot Management

Tillage Operations: Disk Field Cultivator
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	46-0-0	150 lbs/A	N/A
Starter	10-34-0	3.0 gal/A	5 /1 /13
Post plant	28-0-0	50 lbs/A	
Manure:		N/A	

Herbicide: Dual II Mag 28 oz/A Hornet 4.0 oz/A **Insecticide:** None
Irrigation: None **Hybrid:** See factors

Planting Date: 5/1/13 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/10/13 **Harvest Method:** Massey 8XP

Experimental Design

Design: RCB: 2 x 4 Factorial **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.46 Acre
Harvest Plot Size: 5' x 23' **Harvest Plant Density:** 33068 plants per acre

Factors/Treatments:

<u>Hybrid:</u>	<u>Seed treatments:</u>
1) DKC45-51	1) MQ/Poncho
2) DKC48-12	2) MQ/P/V
3) DKC49-94	3) MQ/AvictaDuo
4) PIO P9910XR	4) MQ/Cruiser
5) PIO P9917XR	

Results: Table 1308-13.

FIELD EXPERIMENT HISTORY

Title: Nematode Seed Treatments - WCGA (MacGuidwin)
Experiment: 08Seed **Trial ID:** 3004 **Year:** 2013
Personnel: J.G. Lauer, A. MacGuidwin, K.D. Kohn, and T. Diallo
Location: Hancock, WI **County:** Waushara
Supported By: WCGA

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Plainfield Sand sand
Soil Test: **Date:** 10/1 /13 **pH:** 6.6 **OM (%)** 0.8 **P (ppm)** 76 **K (ppm)** 47

Plot Management

Tillage Operations: Disk Soil Finisher
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	N/A	N/A	N/A
Starter	10-34-0	3.0 gal/A	4 /30/13
Post plant	21-0-0-24S 46-0-0	150 lbs/A	
Manure:		N/A	

Herbicide: Prowl 2.0 pt/A
Laudis 3.0 oz/A **Insecticide:** None
Irrigation: Irrigated **Hybrid:** See factors
Planting Date: 4/30/13 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 11/4/13 **Harvest Method:** Massey 8XP

Experimental Design

Design: RCB: 2 x 4 Factorial **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.46 Acre
Harvest Plot Size: 5' x 23' **Harvest Plant Density:** 32499 plants per acre

Factors/Treatments:

<u>Hybrid:</u>	<u>Seed treatments:</u>
1) DKC45-51	1) MQ/Poncho
2) DKC48-12	2) MQ/P/V
3) DKC49-94	3) MQ/AvictaDuo
4) PIO P9910XR	4) MQ/Cruiser
5) PIO P9917XR	

Results: Table 1308-14.

**Table: 1308-14. Nematode Seed Treatments - WCGA.
Hancock, WI - 2013.**

Hybrid	Treatment	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Lodged			Return \$4.04 \$/A
					Total %	Stalk %	Root %	
Dekalb DKC43-46		244	19.1	56	0	0	0	914
Dekalb DKC46-18		254	19.4	58	0	0	0	949
Dekalb DKC53-56		261	22.7	54	0	0	0	957
Pioneer P9910XR		261	20.4	54	0	0	0	968
Pioneer P9917XR		250	21.1	56	0	0	0	925
	MaximQuattro+AvictaDuo500	256	20.6	56	0	0	0	951
	MaximQuattro+Cruiser	257	20.6	56	0	0	0	954
	MaximQuattro+Poncho	251	20.6	56	0	0	0	929
	MaximQuattro+Poncho500VoTivoPremix	252	20.4	56	0	0	0	935
Dekalb DKC43-46	MaximQuattro+AvictaDuo500	246	19.3	56	0	0	0	921
Dekalb DKC43-46	MaximQuattro+Cruiser	259	19.3	57	0	0	0	966
Dekalb DKC43-46	MaximQuattro+Poncho	225	18.7	56	0	0	0	841
Dekalb DKC43-46	MaximQuattro+Poncho500VoTivoPremix	248	19.0	57	0	0	0	928
Dekalb DKC46-18	MaximQuattro+AvictaDuo500	262	19.4	58	0	0	0	979
Dekalb DKC46-18	MaximQuattro+Cruiser	254	19.4	57	0	0	0	948
Dekalb DKC46-18	MaximQuattro+Poncho	256	19.6	57	0	0	0	954
Dekalb DKC46-18	MaximQuattro+Poncho500VoTivoPremix	245	19.1	58	0	0	0	914
Dekalb DKC53-56	MaximQuattro+AvictaDuo500	267	22.3	55	0	0	0	982
Dekalb DKC53-56	MaximQuattro+Cruiser	254	22.7	54	0	0	0	932
Dekalb DKC53-56	MaximQuattro+Poncho	264	22.8	54	0	0	0	967
Dekalb DKC53-56	MaximQuattro+Poncho500VoTivoPremix	258	23.0	54	0	0	0	945
Pioneer P9910XR	MaximQuattro+AvictaDuo500	255	20.5	54	0	0	0	947
Pioneer P9910XR	MaximQuattro+Cruiser	271	20.3	54	0	0	0	1006
Pioneer P9910XR	MaximQuattro+Poncho	254	20.7	54	0	0	0	941
Pioneer P9910XR	MaximQuattro+Poncho500VoTivoPremix	263	20.1	55	0	0	0	977
Pioneer P9917XR	MaximQuattro+AvictaDuo500	251	21.4	56	0	0	0	925
Pioneer P9917XR	MaximQuattro+Cruiser	249	21.2	56	0	0	0	919
Pioneer P9917XR	MaximQuattro+Poncho	255	21.0	56	0	0	0	944
Pioneer P9917XR	MaximQuattro+Poncho500VoTivoPremix	246	20.9	56	0	0	0	912
Mean		254	20.5	56	0	0	0	942
Probability(%)								
Hybrid (H)		1.4	0.0	0.0	16.1	42.6	4.2	4.6
Treatment (T)		43.4	52.3	50.1	72.0	41.0	41.9	43.2
H x T		24.7	10.3	12.4	41.7	47.7	55.6	23.1
LSD(0.10)								
Hybrid (H)		9	0.2	0	NS	NS	0	33
Treatment (T)		NS	NS	NS	NS	NS	NS	NS
H x T		NS	NS	NS	NS	NS	NS	NS