

## FIELD EXPERIMENT HISTORY

**Title:** Nematode Seed Treatments - Syngenta (MacGuidwin)  
**Experiment:** 08Seed **Trial ID:** 5736 **Year:** 2013  
**Personnel:** J.G. Lauer, A. MacGuidwin, K.D. Kohn, and T. Diallo  
**Location:** Hancock, WI **County:** Waushara  
**Supported By:** Syngenta

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### Site Information

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

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### Plot Management

**Tillage Operations:** Disk Soil Finisher  
**Fertilizer:** **Preplant Analysis:** N/A **Rate lbs/A:** N/A **Date:** N/A  
**Starter Analysis:** 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 4 /30/13  
**Post plant Analysis:** 21-0-0-24S **Rate lbs/A:** 150 lbs/A **Date:**  
**Manure:** N/A 46-0-0  
**Herbicide:** Prowl 2.0 pt/A **Insecticide:** None  
Laudis 3.0 oz/A **Hybrid:** 105RM-GT CBLLRWBL  
**Irrigation:** Irrigated  
**Planting Date:** 4/30/13 **Planting Depth:** 1.5" **Row Width** 30"  
**Harvest Date:** 11/4/13 **Planting Method:** Almaco Precision Planter  
**Harvest Method:** Massey 8XP

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### Experimental Design

**Design:** RCB **Replications:** 6  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.35 Acre  
**Harvest Plot Size:** 5' x 23'

### Factors/Treatments:

#### Seed treatments:

- 1) Untreated Check
  - 2) A14918 @ 382.5 GA/L 0.064 mga/seed
  - 3) A14918 @ 382.5 GA/L 0.064 mga/seed + A9765 @ 600.0 GA/L 0.25 mga/seed
  - 4) A14918 @ 382.5 GA/L 0.064 mga/seed + A9765 @ 600.0 GA/L 0.5 mga/seed
  - 5) A18112 @ 279.68 GA/L 0.54 mga/seed
  - 6) A18043 @ 422.08 GA/L 0.78 mga/seed
  - 7) A14918 @ 382.5 GA/L 0.064 mga/seed + STP15201 @ 600.0 GA/L 0.25 mga/seed
  - 8) A14918 @ 382.5 GA/L 0.064 mga/seed + STP15201 @ 600.0 GA/L 0.5 mga/seed
  - 9) A14918 @ 382.5 GA/L 0.064 mga/seed + STP20282 @ 600.0 GA/L 0.6 mga/seed
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**Results: Table 1308-02.**

**Table: 1308-02. Nematode Seed Treatments - Syngenta.  
Hancock, WI - 2013.**

Treatment	Grain	Grain	Test	Lodged			Return
	yield	moisture	weight	Total	Stalk	Root	\$4.04
	bu/A	%	lb/bu	%	%	%	\$/A
UTC	238	23.6	53	0	0	0	868
A14918 @ 382.5 GA/L 0.064 mga/seed	250	24.2	53	0	0	0	910
A14918 @ 382.5 GA/L 0.064 mga/seed +A9765 @ 600.0 GA/L 0.25 mga/seed	254	24.9	53	0	0	0	922
A14918 @ 382.5 GA/L 0.064 mga/seed +A9765 @ 600.0 GA/L 0.5 mga/seed	255	24.6	53	0	0	0	924
A18112 @ 279.68 GA/L 0.54 mga/seed	246	24.4	53	0	0	0	894
A18043 @ 422.08 GA/L 0.78 mga/seed	249	24.6	52	0	0	0	903
A14918 @ 382.5 GA/L 0.064 mga/seed +STP15201 @ 600.0 GA/L 0.25 mga/seed	245	24.1	53	0	0	0	893
A14918 @ 382.5 GA/L 0.064 mga/seed +STP15201 @ 600.0 GA/L 0.5 mga/seed	248	24.4	53	0	0	0	901
A14918 @ 382.5 GA/L 0.064 mga/seed +STP20282 @ 600.0 GA/L 0.6 mga/seed	254	24.8	52	0	0	0	920
Mean	249	24.4	53	0	0	0	904
<b><u>Probability(%)</u></b>							
Treatment (T)	47.0	58.5	49.2	75.2	64.8	45.1	57.4
<b><u>LSD(0.10)</u></b>							
Treatment (T)	NS	NS	NS	NS	NS	NS	NS

## FIELD EXPERIMENT HISTORY

**Title:** Corn Response to Commercial Seed Treatments  
**Experiment:** 08Seed **Trial ID:** 3667 **Year:** 2013  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Arlington, WI **County:** Columbia  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Plano  
**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:**      **Preplant Analysis:** 46-0-0      **Rate lbs/A:** 150 lbs/A      **Date:** N/A  
                          **Starter Analysis:** 10-34-0      **Rate lbs/A:** 3.0 gal/A      **Date:** 5 /1 /13  
                          **Post plant Analysis:** 28-0-0      **Rate lbs/A:** 50 lbs/A      **Date:**  
                          **Manure:** N/A

**Herbicide:** Dual II Mag 28 oz/A      **Insecticide:** Force 3G 4.4 lbs/A  
                          Hornet 4.0 oz/A

**Irrigation:** None

**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:** 10/18/13      **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB: 2 x 13 factorial      **Replications:** 6  
**Plot Size Seeded:** 10' x 25'      **Experiment Size:** 0.92 Acre  
**Harvest Plot Size:** 5' x 23'      **Harvest Plant Density:** 31962 plants per acre

### Hybrid:

### Seed treatments:

- |                   |   |
|-------------------|---|
| 1) 101RM GTCBLLRW | 1) Untreated check  |
| 2) 98RM GT        | 2) Maxim Quattro: Maxim Quattro @ 0.064   |
|                   | 3) Acceleron: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625   |
|                   | 4) CruiserMaxx Corn 250: Maxim Quattro @ 0.064 + Cruiser @ 0.25   |
|                   | 5) Acceleron + Poncho 250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.25                                |
|                   | 6) CruiserMaxx Corn 500: Maxim Quattro @ 0.064 + Cruiser @ 0.5  |
|                   | 7) Acceleron + Poncho 500: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.5                                 |
|                   | 8) CruiserMaxx Corn 1250: Maxim Quattro @ 0.064 + Cruiser @ 1.25  |
|                   | 9) Acceleron + Poncho 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 1.25                               |
|                   | 10) Avicta Complete Corn: Avicta Complete Corn @ 0.784  |
|                   | 11) Acceleron + Poncho/Votivo: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6                      |
|                   | 12) Avicta Complete Corn 1250: Avicta Complete Corn @ 0.784 + Cruiser @ 0.75  |
|                   | 13) Acceleron + Poncho/Votivo 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6 + Poncho @ 0.75 |

**Results: Table 1308-03.**



## FIELD EXPERIMENT HISTORY

**Title:** Corn Response to Commercial Seed Treatments  
**Experiment:** 08Seed **Trial ID:** 3386 **Year:** 2013  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Chippewa Falls, WI **County:** Chippewa  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:**  
**Soil Test:** **Date:** 10/1 /13 **pH:** 5.7 **OM (%)** 2.9 **P (ppm)** 61 **K (ppm)** 105

### Plot Management

**Tillage Operations:** Field Cultivator

<b>Fertilizer:</b>	<b>Preplant Analysis:</b>	N/A	<b>Rate lbs/A:</b>	N/A	<b>Date:</b>	N/A
	<b>Starter Analysis:</b>	10-34-0	<b>Rate lbs/A:</b>	3.0 gal/A	<b>Date:</b>	5 /7 /13
	<b>Post plant Analysis:</b>	28-0-0	<b>Rate lbs/A:</b>	130 lbs/A	<b>Date:</b>	
	<b>Manure:</b>	N/A 46-0-0		93 lbs/A		

**Herbicide:** Outlook 15 oz/A **Insecticide:** None  
 Hornet 3.0 oz/A

**Irrigation:** None

**Planting Date:** 5/7/13 **Planting Depth:** 1.5" **Row Width** 30"

**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter

**Harvest Date:** 10/24/13 **Harvest Method:** Massey 8XP

### Experimental Design

<b>Design:</b> RCB: 2 x 13 factorial	<b>Replications:</b> 6
<b>Plot Size Seeded:</b> 10' x 25'	<b>Experiment Size:</b> 0.92 Acre
<b>Harvest Plot Size:</b> 5' x 23'	<b>Harvest Plant Density:</b> 30351 plants per acre

### Hybrid:

### Seed treatments:

- |                          |  |
|--------------------------|--|
| 1) 92RM-GT<br>2) 94RM GT | 1) Untreated check<br>2) Maxim Quattro: Maxim Quattro @ 0.064<br>3) Acceleron: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625<br>4) CruiserMaxx Corn 250: Maxim Quattro @ 0.064 + Cruiser @ 0.25<br>5) Acceleron + Poncho 250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.25<br>6) CruiserMaxx Corn 500: Maxim Quattro @ 0.064 + Cruiser @ 0.5<br>7) Acceleron + Poncho 500: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.5<br>8) CruiserMaxx Corn 1250: Maxim Quattro @ 0.064 + Cruiser @ 1.25 +<br>9) Acceleron + Poncho 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 1.25<br>10) Avicta Complete Corn: Avicta Complete Corn @ 0.784<br>11) Acceleron + Poncho/Votivo: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6<br>12) Avicta Complete Corn 1250: Avicta Complete Corn @ 0.784 + Cruiser @ 0.75<br>13) Acceleron + Poncho/Votivo 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6 + Poncho @ 0.75 |
|--------------------------|--|

**Results: Table 1308-04.**

**Table: 1308-04. Corn Response to Commercial Seed Treatments.  
Chippewa Falls, WI - 2013.**

Hybrid	Treatment	Harvest density plants/A	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Lodged			Return \$/A
						Total %	Stalk %	Root %	
92RM-GT		30021	64	23.9	51	1	0	1	234
94RM GT		30681	56	27.1	51	1	0	1	200
	UTC	25947	60	25.8	50	1	0	1	216
	Maxim Quattro	29293	53	25.9	50	1	0	1	193
	Acceleron	30460	70	26.4	50	1	0	1	251
	CruiserMaxx Corn 250	30019	63	25.1	51	1	0	1	227
	Acceleron + Poncho 250	30871	62	26.6	51	0	0	0	224
	CruiserMaxx Corn 500	31502	62	24.3	51	0	0	0	225
	Acceleron + Poncho 500	30524	55	24.0	51	1	0	1	201
	CruiserMaxx Corn 1250	31471	64	24.3	51	1	0	1	234
	Acceleron + Poncho 1250	30871	64	26.1	50	2	0	2	232
	Avicta Complete Corn	31155	53	26.3	51	1	0	1	193
	Acceleron + Poncho/Votivo	31060	59	25.6	51	1	0	1	212
	Avicta Complete Corn 1250	31060	57	25.1	51	1	0	1	207
	Acceleron + Poncho/Votivo 1250	30334	58	25.7	51	3	0	3	210
92RM-GT	UTC	25694	65	23.7	51	1	0	1	235
92RM-GT	Maxim Quattro	30366	59	23.6	51	2	0	2	213
92RM-GT	Acceleron	29545	71	24.1	50	1	0	1	258
92RM-GT	CruiserMaxx Corn 250	28156	66	22.9	51	1	0	1	242
92RM-GT	Acceleron + Poncho 250	31186	67	25.2	51	0	0	0	244
92RM-GT	CruiserMaxx Corn 500	31376	72	23.4	51	1	0	1	263
92RM-GT	Acceleron + Poncho 500	29734	59	23.0	51	2	1	1	215
92RM-GT	CruiserMaxx Corn 1250	31250	72	23.0	51	0	0	0	266
92RM-GT	Acceleron + Poncho 1250	30366	71	24.9	51	2	0	2	256
92RM-GT	Avicta Complete Corn	31565	58	25.0	50	1	0	1	210
92RM-GT	Acceleron + Poncho/Votivo	30429	56	24.9	50	1	0	1	203
92RM-GT	Avicta Complete Corn 1250	30871	60	22.5	52	1	0	1	222
92RM-GT	Acceleron + Poncho/Votivo 1250	29734	58	24.6	52	2	0	2	211
94RM GT	UTC	26199	55	27.9	50	1	0	1	196
94RM GT	Maxim Quattro	28219	48	28.2	49	0	0	0	172
94RM GT	Acceleron	31376	69	28.8	50	0	0	0	244
94RM GT	CruiserMaxx Corn 250	31881	59	27.2	50	1	0	1	212
94RM GT	Acceleron + Poncho 250	30555	57	28.1	51	0	0	0	204
94RM GT	CruiserMaxx Corn 500	31628	51	25.2	50	0	0	0	186
94RM GT	Acceleron + Poncho 500	31313	51	25.0	51	0	0	0	187
94RM GT	CruiserMaxx Corn 1250	31691	56	25.5	52	1	0	1	202
94RM GT	Acceleron + Poncho 1250	31376	58	27.3	50	1	0	1	207
94RM GT	Avicta Complete Corn	30745	49	27.5	51	1	0	1	175
94RM GT	Acceleron + Poncho/Votivo	31691	61	26.3	52	0	0	0	220
94RM GT	Avicta Complete Corn 1250	31250	54	27.7	51	1	0	1	192
94RM GT	Acceleron + Poncho/Votivo 1250	30934	58	26.9	50	5	0	5	208
Mean		30351	60	25.5	51	1	0	1	217
<b>Probability(%)</b>									
Hybrid (H)		2.8	0.1	0.0	39.1	56.4	50.1	62.5	0.0
Treatment (T)		0.0	16.4	54.6	56.5	40.6	49.6	36.9	20.6
H x T		5.8	85.9	92.0	57.3	80.2	41.2	83.4	87.4
<b>LSD(0.10)</b>									
Hybrid (H)		491	4	0.9	NS	NS	NS	NS	15
Treatment (T)		1253	NS	NS	NS	NS	NS	NS	NS
H x T		1772	NS	NS	NS	NS	NS	NS	NS

## FIELD EXPERIMENT HISTORY

**Title:** Corn Response to Commercial Seed Treatments  
**Experiment:** 08Seed **Trial ID:** 3392 **Year:** 2013  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Galesville, WI **County:** Trempeleau  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:**  
**Soil Test:** **Date:** 10/1 /13 **pH:** 6.4 **OM (%)** 3.7 **P (ppm)** 41 **K (ppm)** 173

### Plot Management

**Tillage Operations:** Field Cultivator

**Fertilizer:** **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 150 lbs/A **Date:** N/A  
**Starter Analysis:** 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5 /8 /13  
**Post plant Analysis:** N/A **Rate lbs/A:** N/A **Date:**  
**Manure:** N/A

**Herbicide:** Harness 3.0 oz/A **Insecticide:** None  
Callisto 3.0 oz/A

**Irrigation:** None

**Planting Date:** 5/8/13 **Planting Depth:** 1.5" **Row Width** 30"

**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter

**Harvest Date:** 10/14/13 **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB: 2 x 13 factorial **Replications:** 6  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.92 Acre  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 31091 plants per acre

### Hybrid:

### Seed treatments:

- |                                 |  |
|---------------------------------|--|
| 1) 101RM GTCBLLRW<br>2) 98RM GT | 1) Untreated check<br>2) Maxim Quattro: Maxim Quattro @ 0.064<br>3) Acceleron: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625<br>4) CruiserMaxx Corn 250: Maxim Quattro @ 0.064 + Cruiser @ 0.25<br>5) Acceleron + Poncho 250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.25<br>6) CruiserMaxx Corn 500: Maxim Quattro @ 0.064 + Cruiser @ 0.5<br>7) Acceleron + Poncho 500: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.5<br>8) CruiserMaxx Corn 1250: Maxim Quattro @ 0.064 + Cruiser @ 1.25 +<br>9) Acceleron + Poncho 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 1.25<br>10) Avicta Complete Corn: Avicta Complete Corn @ 0.784<br>11) Acceleron + Poncho/Votivo: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6<br>12) Avicta Complete Corn 1250: Avicta Complete Corn @ 0.784 + Cruiser @ 0.75<br>13) Acceleron + Poncho/Votivo 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6 + Poncho @ 0.75 |
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**Results: Table 1308-05.**

**Table: 1308-05. Corn Response to Commercial Seed Treatments.  
Galesville, WI - 2013.**

Hybrid	Treatment	Harvest density plants/A	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Lodged			Return \$/A
						Total %	Stalk %	Root %	
98RM GT		30036	198	20.0	55	0	0	0	735
101RM GTCBLLRW		32148	236	25.1	51	0	0	0	855
	UTC	30559	210	22.7	52	0	0	0	769
	Maxim Quattro	30618	210	22.7	53	1	0	0	769
	Acceleron	30745	215	22.9	53	1	0	0	786
	CruiserMaxx Corn 250	31165	219	22.3	53	0	0	0	805
	Acceleron + Poncho 250	31376	220	22.7	53	0	0	0	807
	CruiserMaxx Corn 500	31123	220	22.7	53	0	0	0	805
	Acceleron + Poncho 500	31313	220	22.6	53	0	0	0	806
	CruiserMaxx Corn 1250	31885	219	22.5	53	0	0	0	801
	Acceleron + Poncho 1250	30906	217	22.7	52	0	0	0	794
	Avicta Complete Corn	30900	219	22.4	53	0	0	0	804
	Acceleron + Poncho/Votivo	30982	220	22.3	53	0	0	0	806
	Avicta Complete Corn 1250	31060	216	22.6	53	0	0	0	790
	Acceleron + Poncho/Votivo 1250	31565	217	22.5	53	0	0	0	796
98RM GT	UTC	28984	192	20.1	54	0	0	0	713
98RM GT	Maxim Quattro	29608	197	19.7	55	1	0	0	734
98RM GT	Acceleron	30745	202	20.2	55	0	0	0	752
98RM GT	CruiserMaxx Corn 250	29817	198	19.9	55	1	0	1	737
98RM GT	Acceleron + Poncho 250	30429	198	20.2	54	0	0	0	735
98RM GT	CruiserMaxx Corn 500	30050	199	20.6	55	0	0	0	737
98RM GT	Acceleron + Poncho 500	30239	199	20.0	55	0	0	0	738
98RM GT	CruiserMaxx Corn 1250	30437	200	19.8	55	0	1	0	745
98RM GT	Acceleron + Poncho 1250	30120	196	20.4	54	1	0	0	729
98RM GT	Avicta Complete Corn	30044	199	20.0	55	0	0	0	741
98RM GT	Acceleron + Poncho/Votivo	29893	195	20.1	55	0	0	0	724
98RM GT	Avicta Complete Corn 1250	29545	198	19.7	55	0	0	0	737
98RM GT	Acceleron + Poncho/Votivo 1250	30555	197	19.9	55	0	0	0	731
101RM GTCBLLRW	UTC	32133	228	25.3	51	0	0	0	826
101RM GTCBLLRW	Maxim Quattro	31628	223	25.6	51	0	0	0	803
101RM GTCBLLRW	Acceleron	30745	227	25.6	50	1	1	0	819
101RM GTCBLLRW	CruiserMaxx Corn 250	32512	240	24.7	51	0	0	0	872
101RM GTCBLLRW	Acceleron + Poncho 250	32323	243	25.1	51	0	0	0	878
101RM GTCBLLRW	CruiserMaxx Corn 500	32197	241	24.8	51	0	0	0	873
101RM GTCBLLRW	Acceleron + Poncho 500	32386	241	25.2	51	0	0	0	873
101RM GTCBLLRW	CruiserMaxx Corn 1250	33333	237	25.3	50	0	0	0	857
101RM GTCBLLRW	Acceleron + Poncho 1250	31691	237	25.0	51	0	0	0	858
101RM GTCBLLRW	Avicta Complete Corn	31755	239	24.9	51	0	0	0	868
101RM GTCBLLRW	Acceleron + Poncho/Votivo	32070	244	24.5	51	0	0	0	887
101RM GTCBLLRW	Avicta Complete Corn 1250	32575	233	25.5	50	0	0	0	843
101RM GTCBLLRW	Acceleron + Poncho/Votivo 1250	32575	238	25.1	51	0	0	0	860
Mean		31092	217	22.6	53	0	0	0	795
<b>Probability(%)</b>									
Hybrid (H)		0.0	0.0	0.0	0.0	76.7	18.1	3.4	0.0
Treatment (T)		17.4	34.6	95.5	97.9	71.8	64.8	59.0	37.4
H x T		8.4	35.3	45.4	80.9	42.3	24.3	77.4	32.4
<b>LSD(0.10)</b>									
Hybrid (H)		291	3	0	0	0	0	0	12
Treatment (T)		NS	NS	NS	NS	NS	NS	NS	NS
H x T		1049	NS	NS	NS	NS	NS	NS	NS



## FIELD EXPERIMENT HISTORY

**Title:** Corn Response to Commercial Seed Treatments  
**Experiment:** 08Seed **Trial ID:** 3521 **Year:** 2013  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Hancock, WI **County:** Waushara  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Corn **Soil Type:**  
**Soil Test:** **Date:** 10/1 /13 **pH:** 6.6 **OM (%)** 1.2 **P (ppm)** 48 **K (ppm)** 76

### Plot Management

**Tillage Operations:** Disk      Soil Finisher

<b>Fertilizer:</b>	<b>Preplant Analysis:</b>	N/A	<b>Rate lbs/A:</b>	N/A	<b>Date:</b>	N/A
	<b>Starter Analysis:</b>	10-34-0	<b>Rate lbs/A:</b>	3.0 gal/A	<b>Date:</b>	4 /30/13
	<b>Post plant Analysis:</b>	21-0-0-24S	<b>Rate lbs/A:</b>	150 lbs/A	<b>Date:</b>	
	<b>Manure:</b>	N/A      46-0-0		161 lbs/A		

**Herbicide:** Prowl 2.0 pt/A      **Insecticide:** Force 3G 4.4 lbs/A  
 Laudis 3.0 oz/A

**Irrigation:** Irrigated

**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:** 10/17/13      **Harvest Method:** Massey 8XP

### Experimental Design

<b>Design:</b> RCB: 2 x 13 factorial	<b>Replications:</b> 6
<b>Plot Size Seeded:</b> 10' x 25'	<b>Experiment Size:</b> 0.92 Acre
<b>Harvest Plot Size:</b> 5' x 23'	<b>Harvest Plant Density:</b> 32260 plants per acre

### Hybrid:

### Seed treatments:

- |                   |   |
|-------------------|---|
| 1) 101RM GTCBLLRW | 1) Untreated check  |
| 2) 98RM GT        | 2) Maxim Quattro: Maxim Quattro @ 0.064   |
|                   | 3) Acceleron: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625   |
|                   | 4) CruiserMaxx Corn 250: Maxim Quattro @ 0.064 + Cruiser @ 0.25   |
|                   | 5) Acceleron + Poncho 250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.25                                |
|                   | 6) CruiserMaxx Corn 500: Maxim Quattro @ 0.064 + Cruiser @ 0.5  |
|                   | 7) Acceleron + Poncho 500: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.5                                 |
|                   | 8) CruiserMaxx Corn 1250: Maxim Quattro @ 0.064 + Cruiser @ 1.25 +  |
|                   | 9) Acceleron + Poncho 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 1.25                               |
|                   | 10) Avicta Complete Corn: Avicta Complete Corn @ 0.784  |
|                   | 11) Acceleron + Poncho/Votivo: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6                      |
|                   | 12) Avicta Complete Corn 1250: Avicta Complete Corn @ 0.784 + Cruiser @ 0.75  |
|                   | 13) Acceleron + Poncho/Votivo 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6 + Poncho @ 0.75 |

**Results: Table 1308-06.**



## FIELD EXPERIMENT HISTORY

**Title:** Corn Response to Commercial Seed Treatments  
**Experiment:** 08Seed **Trial ID:** 3363 **Year:** 2013  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Seymour, WI **County:** Outagamie  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Onaway Silt Loam  
**Soil Test:** **Date:** 10/1 /13 **pH:** 7.5 **OM (%)** 2.7 **P (ppm)** 41 **K (ppm)** 132

### Plot Management

**Tillage Operations:** Field Cultivator

**Fertilizer:** **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 150 lbs/A **Date:** N/A  
**Starter Analysis:** 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5 /15/13  
**Post plant Analysis:** 46-0-0 **Rate lbs/A:** 55 lbs/A **Date:** 6 /26/13  
**Manure:** N/A

**Herbicide:** Harness Xtra 1.7 qt/A **Insecticide:** None  
 Callisto 3.0 oz/A

**Irrigation:** None

**Planting Date:** 5/15/13 **Planting Depth:** 1.5" **Row Width** 30"

**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter

**Harvest Date:** 11/12/13 **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB: 2 x 13 factorial **Replications:** 6  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.92 Acre  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 31725 plants per acre

### Hybrid:

### Seed treatments:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>1) 92RM-GT</li> <li>2) 94RM GT</li> </ul> | <ul style="list-style-type: none"> <li>1) Untreated check</li> <li>2) Maxim Quattro: Maxim Quattro @ 0.064</li> <li>3) Acceleron: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625</li> <li>4) CruiserMaxx Corn 250: Maxim Quattro @ 0.064 + Cruiser @ 0.25</li> <li>5) Acceleron + Poncho 250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.25</li> <li>6) CruiserMaxx Corn 500: Maxim Quattro @ 0.064 + Cruiser @ 0.5</li> <li>7) Acceleron + Poncho 500: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.5</li> <li>8) CruiserMaxx Corn 1250: Maxim Quattro @ 0.064 + Cruiser @ 1.25 +</li> <li>9) Acceleron + Poncho 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 1.25</li> <li>10) Avicta Complete Corn: Avicta Complete Corn @ 0.784</li> <li>11) Acceleron + Poncho/Votivo: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6</li> <li>12) Avicta Complete Corn 1250: Avicta Complete Corn @ 0.784 + Cruiser @ 0.75</li> <li>13) Acceleron + Poncho/Votivo 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6 + Poncho @ 0.75</li> </ul> |
|--|--|

**Results: Table 1308-07.**

**Table: 1308-07. Corn Response to Commercial Seed Treatments.  
Seymour, WI - 2013.**

Hybrid	Treatment	Harvest density plants/A	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Lodged			Return \$/A
						Total %	Stalk %	Root %	
92RM-GT		31191	215	19.4	53	1	0	1	803
94RM GT		32260	214	20.2	53	0	0	0	797
	UTC	30050	212	20.4	52	1	0	0	788
	Maxim Quattro	31849	213	19.8	52	0	0	0	793
	Acceleron	32165	215	19.5	53	1	0	1	802
	CruiserMaxx Corn 250	32039	215	19.6	52	1	0	1	802
	Acceleron + Poncho 250	32291	216	19.9	52	1	0	1	804
	CruiserMaxx Corn 500	32512	224	19.5	53	0	0	0	834
	Acceleron + Poncho 500	32007	214	19.5	53	0	0	0	797
	CruiserMaxx Corn 1250	31092	208	20.1	52	0	0	0	774
	Acceleron + Poncho 1250	32323	223	20.0	53	1	0	1	828
	Avicta Complete Corn	31755	214	20.0	53	1	0	1	796
	Acceleron + Poncho/Votivo	31597	212	19.5	53	0	0	0	792
	Avicta Complete Corn 1250	31502	210	20.0	52	0	0	0	783
	Acceleron + Poncho/Votivo 1250	31250	216	19.6	53	0	0	0	807
92RM-GT	UTC	29482	208	20.0	52	1	0	1	775
92RM-GT	Maxim Quattro	30745	214	19.7	52	1	0	1	799
92RM-GT	Acceleron	31376	217	19.2	53	1	0	1	812
92RM-GT	CruiserMaxx Corn 250	31186	216	19.5	52	2	0	2	806
92RM-GT	Acceleron + Poncho 250	31628	215	19.6	52	1	0	1	800
92RM-GT	CruiserMaxx Corn 500	32386	231	18.7	53	1	0	1	867
92RM-GT	Acceleron + Poncho 500	31060	214	19.0	53	1	0	0	798
92RM-GT	CruiserMaxx Corn 1250	30871	205	19.4	53	1	0	0	765
92RM-GT	Acceleron + Poncho 1250	32133	223	19.3	53	1	0	1	832
92RM-GT	Avicta Complete Corn	31502	225	19.6	53	1	0	1	838
92RM-GT	Acceleron + Poncho/Votivo	30997	210	19.3	53	0	0	0	783
92RM-GT	Avicta Complete Corn 1250	30176	200	19.7	52	1	0	0	745
92RM-GT	Acceleron + Poncho/Votivo 1250	31944	219	18.9	53	1	0	1	821
94RM GT	UTC	30618	216	20.7	53	0	0	0	800
94RM GT	Maxim Quattro	32954	212	20.0	52	0	0	0	787
94RM GT	Acceleron	32954	213	19.7	53	0	0	0	793
94RM GT	CruiserMaxx Corn 250	32891	214	19.6	53	0	0	0	797
94RM GT	Acceleron + Poncho 250	32954	217	20.2	52	0	0	0	807
94RM GT	CruiserMaxx Corn 500	32638	216	20.2	53	0	0	0	802
94RM GT	Acceleron + Poncho 500	32954	214	20.1	52	0	0	0	795
94RM GT	CruiserMaxx Corn 1250	31313	212	20.9	52	0	0	0	784
94RM GT	Acceleron + Poncho 1250	32512	222	20.6	53	0	0	0	825
94RM GT	Avicta Complete Corn	32007	203	20.3	52	0	0	0	753
94RM GT	Acceleron + Poncho/Votivo	32197	215	19.7	53	0	0	0	801
94RM GT	Avicta Complete Corn 1250	32828	221	20.3	53	0	0	0	820
94RM GT	Acceleron + Poncho/Votivo 1250	30555	213	20.3	53	0	0	0	792
Mean		31725	215	19.8	53	0	0	0	800
<b>Probability(%)</b>									
Hybrid (H)		0.0	74.7	0.0	58.0	0.0	3.7	0.0	50.0
Treatment (T)		0.1	62.7	2.0	59.8	99.4	72.7	95.8	57.1
H x T		4.9	24.4	27.1	58.5	83.4	72.7	68.5	23.4
<b>LSD(0.10)</b>									
Hybrid (H)		355	NS	0.2	NS	0.2	0	0	NS
Treatment (T)		904	NS	0.5	NS	NS	NS	NS	NS
H x T		1279	NS	NS	NS	NS	NS	NS	NS

## FIELD EXPERIMENT HISTORY

**Title:** Corn Response to Commercial Seed Treatments  
**Experiment:** 08Seed **Trial ID:** 3524 **Year:** 2013  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Valders, WI **County:** Manitowoc  
**Supported By:** Syngenta

### Site Information

**Field:** **Previous Crop:** Wheat **Soil Type:**  
**Soil Test:** **Date:** 10/1 /13 **pH:** 7.2 **OM (%)** 3.4 **P (ppm)** 31 **K (ppm)** 118

### Plot Management

**Tillage Operations:** Field Cultivator

**Fertilizer:** **Preplant Analysis:** N/A **Rate lbs/A:** N/A **Date:** N/A  
**Starter Analysis:** 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5 /16/13  
**Post plant Analysis:** 46-0-0 **Rate lbs/A:** 55 lbs/A **Date:**  
**Manure:** 10,000 gallon

**Herbicide:** Steadfast 1.0 oz/A **Insecticide:** Force 3G 4.4 lbs/A  
 Callisto 3.0 oz/A  
 Atrazine 0.25 lb/A

**Irrigation:** None

**Planting Date:** 5/16/13 **Planting Depth:** 1.5" **Row Width** 30"

**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter

**Harvest Date:** 10/22/13 **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB: 2 x 13 factorial **Replications:** 6  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.92 Acre  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 31528 plants per acre

### Hybrid:

1) 92RM-GT  
2) 94RM GT

### Seed treatments:

1) Untreated check  
 2) Maxim Quattro: Maxim Quattro @ 0.064  
 3) Acceleron: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625  
 4) CruiserMaxx Corn 250: Maxim Quattro @ 0.064 + Cruiser @ 0.25  
 5) Acceleron + Poncho 250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.25  
 6) CruiserMaxx Corn 500: Maxim Quattro @ 0.064 + Cruiser @ 0.5  
 7) Acceleron + Poncho 500: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 0.5  
 8) CruiserMaxx Corn 1250: Maxim Quattro @ 0.064 + Cruiser @ 1.25 +  
 9) Acceleron + Poncho 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho @ 1.25  
 10) Avicta Complete Corn: Avicta Complete Corn @ 0.784  
 11) Acceleron + Poncho/Votivo: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6  
 12) Avicta Complete Corn 1250: Avicta Complete Corn @ 0.784 + Cruiser @ 0.75  
 13) Acceleron + Poncho/Votivo 1250: Alligience @ 0.01 + Trilex @ 0.0125 + Vortex @ 0.0625 + Poncho/Votivo @ 0.6 + Poncho @ 0.75

**Results: Table 1308-08.**

**Table: 1308-08. Corn Response to Commercial Seed Treatments.  
Valders, WI - 2013.**

Hybrid	Treatment	Harvest density plants/A	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Lodged			Return \$/A
						Total %	Stalk %	Root %	
92RM-GT		31650	233	25.9	50	0	0	0	839
94RM GT		32073	225	27.5	50	0	0	0	805
	UTC	30587	229	28.7	50	0	0	0	812
	Maxim Quattro	31392	231	25.4	50	0	0	0	834
	Acceleron	31770	214	27.2	50	0	0	0	767
	CruiserMaxx Corn 250	31960	236	26.2	50	0	0	0	850
	Acceleron + Poncho 250	31865	205	27.6	50	0	0	0	733
	CruiserMaxx Corn 500	31912	233	27.1	50	0	0	0	835
	Acceleron + Poncho 500	31818	229	26.8	50	0	0	0	823
	CruiserMaxx Corn 1250	32339	228	26.7	50	0	0	0	819
	Acceleron + Poncho 1250	31628	225	26.3	50	0	0	0	808
	Avicta Complete Corn	32102	227	26.8	50	0	0	0	813
	Acceleron + Poncho/Votivo	31723	227	26.3	51	0	0	0	818
	Avicta Complete Corn 1250	32717	247	27.1	51	0	0	0	885
	Acceleron + Poncho/Votivo 1250	32386	244	25.0	50	0	0	0	885
92RM-GT	UTC	29356	220	29.8	50	0	0	0	778
92RM-GT	Maxim Quattro	31439	225	25.0	50	0	0	0	814
92RM-GT	Acceleron	32291	229	24.7	50	0	0	0	830
92RM-GT	CruiserMaxx Corn 250	31439	242	25.8	50	0	0	0	873
92RM-GT	Acceleron + Poncho 250	30871	200	28.3	50	0	0	0	713
92RM-GT	CruiserMaxx Corn 500	32291	243	24.0	51	0	0	0	884
92RM-GT	Acceleron + Poncho 500	31534	223	26.4	50	0	0	0	805
92RM-GT	CruiserMaxx Corn 1250	32954	241	24.7	50	0	0	0	875
92RM-GT	Acceleron + Poncho 1250	31723	238	24.8	50	0	0	0	861
92RM-GT	Avicta Complete Corn	32007	228	26.1	50	0	0	0	822
92RM-GT	Acceleron + Poncho/Votivo	31155	227	27.5	50	0	0	0	812
92RM-GT	Avicta Complete Corn 1250	32291	246	25.7	51	0	0	0	888
92RM-GT	Acceleron + Poncho/Votivo 1250	32102	261	24.4	51	0	0	0	948
94RM GT	UTC	31818	237	27.6	50	0	0	0	845
94RM GT	Maxim Quattro	31344	237	25.8	51	0	0	0	854
94RM GT	Acceleron	31250	199	29.8	50	0	0	0	704
94RM GT	CruiserMaxx Corn 250	32481	231	26.6	51	0	0	0	828
94RM GT	Acceleron + Poncho 250	32859	210	27.0	50	0	0	0	753
94RM GT	CruiserMaxx Corn 500	31534	223	30.1	50	0	0	0	787
94RM GT	Acceleron + Poncho 500	32102	235	27.1	51	0	0	0	840
94RM GT	CruiserMaxx Corn 1250	31723	215	28.8	50	0	0	0	764
94RM GT	Acceleron + Poncho 1250	31534	212	27.8	51	0	0	0	756
94RM GT	Avicta Complete Corn	32197	225	27.5	51	0	0	0	805
94RM GT	Acceleron + Poncho/Votivo	32291	227	25.1	51	0	0	0	824
94RM GT	Avicta Complete Corn 1250	33143	248	28.6	51	0	0	0	881
94RM GT	Acceleron + Poncho/Votivo 1250	32670	228	25.6	49	0	0	0	822
Mean		31861	229	26.7	50	0	0	0	822
<b>Probability(%)</b>									
Hybrid (H)		13.2	15.8	0.5	3.4	96.4	15.3	16.3	9.2
Treatment (T)		39.2	19.3	53.1	5.0	18.4	49.9	53.3	22.1
H x T		28.4	56.0	5.8	6.4	91.1	49.9	53.3	46.0
<b>LSD(0.10)</b>									
Hybrid (H)		NS	NS	0.9	0	NS	NS	NS	33
Treatment (T)		NS	NS	NS	1	NS	NS	NS	NS
H x T		NS	NS	3.2	1	NS	NS	NS	NS