

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3501
Location: Arlington, WI **County:** Columbia
Supported By: HATCH

Site Information

Field: ARS406 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 6.7 **OM (%)** 3.4 **P (ppm)** 38 **K (ppm)** 131

Plot Management

Tillage Operations: Disk Chisel Field Cultivator Cultivated 6/11/12
Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 138 lbs/A **Date:** N/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5 /10/12
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Hornet 4 oz/A **Insecticide:** Force 4.4 lbs/A
Dual II Magnum 24 oz/A **Hybrid:** DeKalb DKC55-09
Accent Q 0.9 oz/A
Callisto 3 oz/A
Irrigation: None
Planting Date: 5/10/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/1/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/10/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 2.5' x 22' **Harvest Plant Density:** 34059 plants per acre

Factors/Treatments:

Treatment:

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-46.

**Table C-46. Influence of Ascend on Corn Grain Yield.
Arlington, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	227	18.1	58	11	11	0	1449	87
Untreated Check	229	18.4	58	8	8	0	1459	93
Mean	228	18.2	58	9	9	0	1454	90
Probability(%)								
Treatment (T)	53.2	57.3	89.3	39.6	39.6	-	60.4	8.6
LSD(0.10)								
Treatment (T)	NS	NS	NS	NS	NS	-	NS	5

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3503
Location: Chippewa Falls, WI **County:** Chippewa
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Sattre Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 7 **OM (%)** 3.1 **P (ppm)** 19 **K (ppm)** 90

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Cultivated
Fertilizer: **Preplant Analysis:** 28-0-0 **Rate lbs/A:** 130 lbs/A **Date:** N/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 4 /24/12
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Hornet 3.0 oz/A **Insecticide:** None
Outlook 14 oz/A **Hybrid:** DeKalb DKC42-72
Irrigation: None
Planting Date: 4/24/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 9/26/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/13/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 5' x 22' **Harvest Plant Density:** 33713 plants per acre
Factors/Treatments:

Treatment::

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-47.

**Table C-47. Influence of Ascend on Corn Grain Yield.
Chippewa Falls, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	135	14.8	59	2	2	0	866	81
Untreated Check	149	14.2	58	1	1	0	955	81
Mean	142	14.5	59	2	2	0	910	81
Probability(%)								
Treatment (T)	0.7	23.2	55.4	6.1	6.1	-	0.7	96.6
LSD(0.10)								
Treatment (T)	5	NS	NS	1	1	-	31	NS

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3505
Location: Coleman, WI **County:** Marinette
Supported By: HATCH

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Oconto Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 7.6 **OM (%)** 2.9 **P (ppm)** 54 **K (ppm)** 202

Plot Management

Tillage Operations: Chisel Plow Field Cultivator
Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 200 lbs/A **Date:** N/A
11-52-0 25 lbs/A
21-0-0-24s 75 lbs/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 5 /1 /12
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Lumax 3.0 qt/A **Insecticide:** Force 4.4 lbs/A
Irrigation: None **Hybrid:** DeKalb DKC42-72
Planting Date: 5/1/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/10/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/18/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 2.5' x 22' **Harvest Plant Density:** 34010 plants per acre

Factors/Treatments:

Treatment:

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-48.

**Table C-48. Influence of Ascend on Corn Grain Yield.
Coleman, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	261	15.6	57	0	0	0	1672	101
Untreated Check	270	16.4	56	0	0	0	1728	104
Mean	265	16.0	56	0	0	0	1700	103
Probability(%)								
Treatment (T)	13.3	6.5	56.9	98.1	98.1	-	16.8	2.4
LSD(0.10)								
Treatment (T)	NS	0.7	NS	NS	NS	-	NS	2

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3507
Location: Fond du Lac, WI **County:**
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Virgil Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 7.8 **OM (%)** 3.4 **P (ppm)** 15 **K (ppm)** 91

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Cultivated
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 /15/12
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Lumax 3.0 qt/A **Insecticide:** None
Hybrid: DeKalb DKC48-37
Irrigation: None
Planting Date: 5/15/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/11/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/18/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 2.5' x 22' **Harvest Plant Density:** 33267 plants per acre

Factors/Treatments:

Treatment:

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-49.

**Table C-49. Influence of Ascend on Corn Grain Yield.
Fond du Lac, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	203	16.9	57	0	0	0	1299	83
Untreated Check	202	17.3	58	0	0	0	1287	81
Mean	202	17.1	57	0	0	0	1293	82
Probability(%)								
Treatment (T)	58.2	3.4	77.7	-	-	-	52.8	72.0
LSD(0.10)								
Treatment (T)	NS	0.2	NS	-	-	-	NS	NS

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3508
Location: Galesville, WI **County:**
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Downs Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 6 **OM (%)** 4.2 **P (ppm)** 19 **K (ppm)** 139

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Cultivated
Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 150 lbs/A **Date:** N/A
21-0-0-24s 32 lbs/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 4 /24/12
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Harness 3.0 oz/A **Insecticide:** None
Callisto 3.0 oz/A **Hybrid:** DeKalb DKC48-37
Irrigation: None
Planting Date: 4/24/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/5/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/13/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 2.5' x 22' **Harvest Plant Density:** 34505 plants per acre
Factors/Treatments:

Treatment::

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-50.

**Table C-50. Influence of Ascend on Corn Grain Yield.
Galesville, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	226	12.9	59	0	0	0	1454	106
Untreated Check	225	12.9	59	0	0	0	1445	106
Mean	226	12.9	59	0	0	0	1449	106
Probability(%)								
Treatment (T)	58.8	57.2	59.6	-	-	-	58.8	80.4
LSD(0.10)								
Treatment (T)	NS	NS	NS	-	-	-	NS	NS

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3516
Location: Hancock, WI **County:**
Supported By: HATCH

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Plainfield Sand
Soil Test: **Date:** 10/01/12 **pH:** 6.9 **OM (%)** 1.2 **P (ppm)** 40 **K (ppm)** 72

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 /23/12
Post plant Analysis: 46-0-0 **Rate lbs/A:** 161 lbs/A **Date:** N/A
Manure: N/A 21-0-0-24s 32 lbs/A

Herbicide: Laudis 3.0 oz/A **Insecticide:** None
Prowl 2.0 pt/A **Hybrid:** DeKalb DKC48-37
Aatrex 4L 2.0 pt/A

Irrigation: yes

Planting Date: 4/23/12 **Planting Depth:** 1.5" **Row Width** 30"

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

Harvest Date: 9/27/12 **Harvest Method:** Massey 8XP

Notes: Ascend applied at 3.2 oz/A on 6/14/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 2.5' x 22' **Harvest Plant Density:** 33218 plants per acre

Factors/Treatments:

Treatment:

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-51.

**Table C-51. Influence of Ascend on Corn Grain Yield.
Hancock, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	224	16.1	59	0	0	0	1436	82
Untreated Check	218	15.8	60	0	0	0	1395	80
Mean	221	16.0	59	0	0	0	1416	81
Probability(%)								
Treatment (T)	7.2	40.0	21.3	-	-	-	6.7	32.0
LSD(0.10)								
Treatment (T)	6	NS	NS	-	-	-	34	NS

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3517
Location: Janesville, WI **County:**
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 7 **OM (%)** 3.9 **P (ppm)** 41 **K (ppm)** 131

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Cultivated
Fertilizer: **Preplant Analysis:** 28-0-0 **Rate lbs/A:** 150 lbs/A **Date:** N/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 4 /26/12
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Lumax 3.0 qt/A **Insecticide:** Force 4.4 lbs/A
Steadfast 0.5 oz/A **Hybrid:** DeKalb DKC55-09
Cadet 0.9 oz/A
Status 5.0 oz/A
Irrigation: None
Planting Date: 4/26/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 9/28/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/11/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 2.5' x 22' **Harvest Plant Density:** 31634 plants per acre

Factors/Treatments:

Treatment:

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-52.

**Table C-52. Influence of Ascend on Corn Grain Yield.
Janesville, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	136	22.2	56	0	0	0	856	83
Untreated Check	146	21.0	57	0	0	0	924	84
Mean	141	21.6	56	0	0	0	890	84
Probability(%)								
Treatment (T)	24.5	33.5	26.0	-	-	-	21.0	69.9
LSD(0.10)								
Treatment (T)	NS	NS	NS	-	-	-	NS	NS

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3640
Location: Lancaster, WI **County:**
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Fayette Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 7.4 **OM (%)** 2.4 **P (ppm)** 32 **K (ppm)** 77

Plot Management

Tillage Operations: Chisel Plow Turbo-Till Cultivated
Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 125 lbs/A **Date:** N/A
Starter Analysis: 10-34-0 **Rate lbs/A:** 3.0 gal/A **Date:** 4 /26/12
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Lumax 3.0 qt/A **Insecticide:** Force 4.4 lbs/A
Hybrid: DeKalb DKC55-09
Irrigation: None
Planting Date: 4/26/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/8/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/8/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 2.5' x 22' **Harvest Plant Density:** 32673 plants per acre

Factors/Treatments:

Treatment::

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-53.

**Table C-53. Influence of Ascend on Corn Grain Yield.
Lancaster, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	159	16.0	60	27	0	27	1020	83
Untreated Check	178	14.7	61	49	1	48	1145	85
Mean	169	15.4	60	38	0	38	1083	84
Probability(%)								
Treatment (T)	1.9	0.1	7.0	20.4	21.7	22.1	1.8	36.2
LSD(0.10)								
Treatment (T)	10	0.3	1	NS	NS	NS	62	NS

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3641
Location: Marshfield, WI **County:** Wood
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Withee Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 6.9 **OM (%)** 3.4 **P (ppm)** 36 **K (ppm)** 60

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Cultivated
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 /27/12
Post plant Analysis: 28-0-0 **Rate lbs/A:** 120 **Date:** 6 /15/12
Manure: N/A
Herbicide: SureStart 2.25 pt/A **Insecticide:** Force 3G 4.4 lbs/A
Volley 2.75 oz/A **Hybrid:** DeKalb DKC42-72
Irrigation: None
Planting Date: 4/27/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/3/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/14/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 2.5' x 22' **Harvest Plant Density:** 29604 plants per acre

Factors/Treatments:

Treatment::

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-54.

**Table C-54. Influence of Ascend on Corn Grain Yield.
Marshfield, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	145	16.9	56	0	0	0	927	84
Untreated Check	157	16.5	56	0	0	0	1002	86
Mean	151	16.7	56	0	0	0	965	85
Probability(%)								
Treatment (T)	9.0	63.6	73.0	-	-	-	8.8	36.2
LSD(0.10)								
Treatment (T)	11	NS	NS	-	-	-	70	NS

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3642
Location: Seymour, WI **County:**
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Onaway Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 7.4 **OM (%)** 3.6 **P (ppm)** 33 **K (ppm)** 106

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Cultivated
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 /1 /12
Post plant Analysis: 46-0-0 **Rate lbs/A:** 160 lbs/A **Date:** 6 /25/12
Manure: N/A
Herbicide: Hornet 3.0 oz/A **Insecticide:** Force 4.4 lbs/A
Harness Xtra 1.7 qt/A **Hybrid:** DeKalb DKC42-72
Irrigation: None
Planting Date: 5/1/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/10/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/18/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: .5' x 22' **Harvest Plant Density:** 27277 plants per acre
Factors/Treatments:

Treatment::

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-55.

**Table C-55. Influence of Ascend on Corn Grain Yield.
Seymour, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	200	15.7	56	0	0	0	1281	76
Untreated Check	201	15.5	56	0	0	0	1292	79
Mean	200	15.6	56	0	0	0	1286	78
Probability(%)								
Treatment (T)	73.4	35.8	70.8	-	-	-	71.7	56.5
LSD(0.10)								
Treatment (T)	NS	NS	NS	-	-	-	NS	NS

FIELD EXPERIMENT HISTORY

Title: Influence of Ascend on Corn Grain Yield
Experiment: 11Misc **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T.H Diallo **Trial ID:** 3643
Location: Valders, WI **County:**
Supported By: HATCH

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Kewaunee Clay Loam
Soil Test: **Date:** 10/01/12 **pH:** 7.9 **OM (%)** 3.4 **P (ppm)** 33 **K (ppm)** 107

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Turbo-Till Cultivated
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 /1 /12
Post plant Analysis: 46-0-0 **Rate lbs/A:** 80 **Date:** 6 /25/12
Manure: 6000 gal
Herbicide: Keystone LA 1.5 oz/A **Insecticide:** Force 3G 4.4 lbs/A
Steadfast 1.0 oz/A **Hybrid:** DeKalb DKC42-72
Callisto 3.0 oz/A
Atrazine 0.25 lb/A
Irrigation: None
Planting Date: 5/1/12 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 10/11/12 **Harvest Method:** Massey 8XP
Notes: Ascend applied at 3.2 oz/A on 6/18/12

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 5' x 22' **Harvest Plant Density:** 30004 plants per acre

Factors/Treatments:

Treatment:

- 1) Ascend
 - 2) Untreated Check
-

Results: Table C-56.

**Table C-56. Influence of Ascend on Corn Grain Yield.
Valders, WI - 2012.**

Treatment	Grain yield	Grain moisture	Test weight	Lodged			Return \$6.65	Plant height
				Total	Stalk	Root		
	bu/A	%	lb/bu	%	%	%	\$/A	inches
Ascend	243	17.5	56	0	0	0	1547	81
Untreated Check	223	17.2	57	0	0	0	1422	85
Mean	233	17.3	57	0	0	0	1485	83
Probability(%)								
Treatment (T)	11.1	15.0	20.1	-	-	-	11.4	23.2
LSD(0.10)								
Treatment (T)	NS	NS	NS	-	-	-	NS	NS