FIELD EXPERIMENT HISTORY

Title: **Low Energy Corn Silage Evaluation**

Experiment: 11 Low Starch Study **Trial ID:** 07C66 **Year:** 2007

Personnel: M.G. Bertram, J.G. Lauer, K.D. Kohn, T.H. Diallo

Location: Arlington, WI **County:** Columbia

Supported by: Marshfield Ag. Research Station

Site Information

Field: ARS408 **Previous Crop:** **Soil Type:** Plano silt loam

Soil Test : **Date:** 10/15/07 **pH** 7.0 **SOM (%)** 3.1 **P (ppm)** 43 **K (ppm)** 128

Plot Management

Tillage Operations: Fall Chisel plow | Field Cultivator | Cultivate 6/15/07

Fertilizer:

	Analysis	Rate	Date
Preplant	46-0-0	325 lb/A	4/20/2007
Starter	9-23-30	150 lb/A	5/21/2007
Post plant	none	N/A	N/A
Manure	none	N/A	N/A

Herbicide: Harness 29 oz/A
Callisto 3.0 oz/A

Insecticide: None

Irrigation: None **Hybrid:** varies

Planting Date: 5/21/2007 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: varies **plants per acre** **Planting Method:** Kinze plot planter

Harvest Date: 10/22/2007 **Harvest Method:** New Holland 707 Plot Chopper

Notes:

Experimental Design

Design: RCB **Replications:** 4

Plot Size Seeded: 25' x 10' **Experiment Size:** 0.50 A

Harvest Plot size: 22' x 2.5'

Factors/Treatments:

Treatment	Source/Type	Target Density
Dekalb DKB393	Brazil- Tropical	35,000 ppa
Dekalb DKB499	Brazil- Tropical	35,000 ppa
Dekalb DKB789	Brazil- Tropical	35,000 ppa
Agroceres AG1051	Brazil- Tropical	35,000 ppa
Agroceres AG2060	Brazil- Tropical	35,000 ppa
Pioneer 30F34	Southern US- 132 RM	35,000 ppa
Hytest HT92-90W	Mexican- 135 RM	35,000 ppa
Kaltenberg KB105LF	Leafy (105 RM)	45,000 ppa
Kaltenberg LH227	Male Sterile	35,000 ppa
Croplan Greentreat A+	BMR Sorghum-Sudangrass	10 lb/a=130K

Results: Table C-43 & C45.

Table C-43 Low Starch Corn Silage Evaluation.
Arlington, WI 2007.

Treatment		Yield DM	Yield 68% Wet	Moist	Plant height	Lodging	CP	ADF	NDF	Lignin	NDFD	NFC	Starch	TDN	Milk per Ton	Milk per Acre
		tn/A	tn/A	%	ft	%	%	%	%	%	%	%	%	%	lb	lb
Dekalb	DKB393	8.5	26.6	74.7	12.9	4	6.4	37.6	65.1	5.7	53.8	24.0	0.7	48.2	1836	15632
Dekalb	DKB499	6.8	21.3	72.3	12.8	44	5.8	38.9	66.8	5.1	54.6	23.4	1.3	49.3	1922	13102
Dekalb	DKB789	7.7	24.0	74.3	13.0	10	6.2	37.5	64.4	5.7	54.5	24.7	1.7	49.1	1909	14657
Agroceres	AG1051	4.8	14.9	76.8	12.8	51	6.9	40.1	67.9	6.2	52.2	20.8	0.9	49.1	1887	8955
Agroceres	AG2060	6.8	21.1	73.6	12.8	8	5.5	37.1	64.9	6.1	55.7	25.3	1.8	49.4	1938	13104
Pioneer	30F34	7.7	24.1	71.4	11.1	9	7.4	30.0	55.4	4.7	57.4	32.0	4.2	50.4	2027	15629
Hytest	HT92-90W	8.0	25.1	73.1	12.5	6	6.3	37.0	64.5	5.9	54.9	24.6	1.4	49.3	1922	15441
Kaltenberg	KB105LF (Leafy)	8.1	25.3	56.0	10.4	17	7.7	25.8	47.1	4.8	53.1	41.0	24.6	61.9	2812	22830
Kaltenberg	Male Sterile	4.0	12.6	62.6	8.1	1	9.1	33.3	58.3	4.9	53.8	28.8	1.8	49.1	1898	7655
Croplan	Greentreat A+	5.7	17.7	78.4	11.0	.	8.2	33.6	59.7	4.2	60.5	24.5	1.0	54.1	2320	13057
Mean		6.8	21.3	71.3	11.7	17	7.0	35.1	61.4	5.3	55.1	26.9	3.9	51.0	2047	14006
Probability (%)																
Treatment		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	6.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
LSD 10%																
Treatment		1.3	3.9	1.9	0.9	15	0.9	1.9	2.5	1.1	1.5	2.1	1.7	1.5	113	2663
CV (%)		15	15	2	7	76	10	5	3	18	2	7	36	2	5	16

FIELD EXPERIMENT HISTORY

Title: **Low Energy Corn Silage Evaluation**

Experiment: 11 Low Starch Study **Trial ID:** 07C56 **Year:** 2007

Personnel: M.G. Bertram

Location: Marshfield, WI **County:** Wood

Supported by: Marshfield Ag. Research Station

Site Information

Field: W3 **Previous Crop:** Corn **Soil Type:** Withee silt loam

Soil Test : **Date:** 10/30/06 **pH** 6.6 **SOM (%)** 3.4 **P (ppm)** 59 **K (ppm)** 167

Plot Management

Tillage Operations: Fall Chisel plow Spring Field Cultivator Cultivate 6/13/07

Fertilizer:

	Analysis	Rate	Date
Preplant	none	N/A	N/A
Starter	9-11-30	150 lb/A	Planting
Post plant	28-0-0	40 gal/A	6/13/2007
Manure	none	N/A	N/A

Herbicide: Outlook 14 oz/A
Hornet 2.4 oz/A
Atrazine 1 qt/A

Insecticide: None

Irrigation: None **Hybrid:** varies

Planting Date: 5/16/2007 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: varies **plants per acre** **Planting Method:** Research plot planter

Harvest Date: varies **Harvest Method:** hand harvested

Notes:

Experimental Design

Design: RCB **Replications:** 4

Plot Size Seeded: 25' x 10' **Experiment Size:** 0.25 A

Harvest Plot size: 22' x 2.5'

Factors/Treatments:

Treatment	Source/Type	Target Density	Harvest Date
Dekalb DKB393	Brazil- Tropical	35,000 ppa	11/5/2007
Dekalb DKB499	Brazil- Tropical	35,000 ppa	11/5/2007
Dekalb DKB789	Brazil- Tropical	35,000 ppa	11/13/2007
Agroceres AG1051	Brazil- Tropical	35,000 ppa	11/13/2007
Agroceres AG2060	Brazil- Tropical	35,000 ppa	11/2/2007
Pioneer 30F34	Southern US- 132 RM	35,000 ppa	11/5/2007
Hytest HT92-90W	Mexican- 135 RM	35,000 ppa	11/2/2007
Kaltenberg KB105LF	Leafy (105 RM)	45,000 ppa	11/2/2007
Kaltenberg LH227	Male Sterile	35,000 ppa	10/1/2007
Croplan Greentreat A+	BMR Sorghum-Sudangrass	10 lb/a=130K	11/13/2007
Garst 8922YG	Check (90 RM)	35,000 ppa	10/1/2007

Results: Table C-44 & C-45.

Table C-44. Low Starch Corn Silage Evaluation. Marshfield, WI 2007.

Treatment		Yield DM	Yield 68% Wet	Moist	Plant height	Lodging	CP	ADF	NDF	Lignin	NDFD	NFC	Starch	TDN	Milk per Ton	Milk per Acre
		tn/A	tn/A	%	ft	%	%	%	%	%	%	%	%	%	lb	lb
Dekalb	DKB393	6.2	19.3	73.5	10.0	25	6.8	39.5	67.6	5.5	55.5	21.0	0.0	51.3	2076	12844
Dekalb	DKB499	6.5	20.3	69.5	10.6	20	6.4	39.9	68.3	6.1	54.9	21.5	0.0	50.6	2016	13098
Dekalb	DKB789	5.1	15.9	72.4	11.0	11	6.0	42.4	71.0	6.7	55.1	18.9	0.3	51.7	2101	10657
Agroceres	AG1051	4.2	13.0	73.3	10.5	26	5.7	44.9	75.1	7.2	54.9	15.8	0.0	52.2	2133	8856
Agroceres	AG2060	5.6	17.4	72.4	11.1	9	5.2	40.0	69.3	6.5	54.0	22.2	0.1	48.8	1883	10492
Pioneer	30F34	5.8	18.1	72.4	9.8	6	7.9	32.6	58.4	4.8	55.7	28.9	4.0	51.6	2096	12148
Hytest	HT92-90W	5.1	16.0	71.5	10.8	7	5.9	42.1	71.5	6.9	54.7	19.5	0.0	51.9	2109	10809
Kaltenberg	KB105LF (Leafy)	5.4	17.0	67.6	8.8	3	7.3	31.9	58.2	5.0	55.2	30.9	0.4	46.6	1732	9391
Kaltenberg	Male Sterile	3.2	10.1	73.3	6.8	0	8.7	29.9	54.6	4.1	55.7	32.1	1.9	48.1	1846	5975
Croplan	Greentreat A+	4.3	13.3	73.6	9.1	17	5.8	35.2	63.8	5.5	69.3	24.6	1.3	58.4	2697	11517
Garst	8922YG (Check)	7.3	22.7	61.1	8.0	1	7.8	24.1	42.2	3.7	54.1	45.0	30.2	68.0	3259	23633
Mean		5.3	16.6	71.0	9.7	11	6.7	36.6	63.6	5.7	56.3	25.5	3.5	52.6	2177	11765
Probability (%)																
Treatment		<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
LSD 10%																
Treatment		0.7	2.2	1.4	0.7	12	0.8	2.1	2.8	0.5	1.5	2.5	1.7	2.3	164	1627
CV (%)		11	11	2	6	88	9	5	4	7	2	8	41	4	6	12

Table C-45. Low Starch Corn Silage Evaluation. Marshfield and Arlington, WI - Combined locations 2007.

Location	Treatment		Yield			Plant										Milk per	
			DM	68% Wet	Moist	height	Lodging	CP	ADF	NDF	Lignin	NDFD	NFC	Starch	TDN	Ton	Acre
			tn/A	tn/A	%	ft	%	%	%	%	%	%	%	%	%	lb	lb
Marshfield			5.1	16.0	72.0	9.8	12	6.6	37.8	65.8	5.8	56.5	23.5	0.8	51.1	2069	10578
Arlington			6.8	21.3	71.3	11.7	17	7.0	35.1	61.4	5.3	55.1	26.9	3.9	51.0	2047	14006
	Dekalb	DKB393	7.4	23.0	74.1	11.4	15	6.6	38.5	66.4	5.6	54.7	22.5	0.3	49.7	1956	14238
	Dekalb	DKB499	6.7	20.8	70.9	11.7	32	6.1	39.4	67.6	5.6	54.7	22.4	0.6	49.9	1969	13100
	Dekalb	DKB789	6.4	19.9	73.3	12.0	11	6.1	39.9	67.7	6.2	54.8	21.8	1.0	50.4	2005	12657
	Agroceres	AG1051	4.5	13.9	75.1	11.6	38	6.3	42.5	71.5	6.7	53.5	18.3	0.5	50.7	2010	8905
	Agroceres	AG2060	6.2	19.3	73.0	11.9	8	5.4	38.6	67.1	6.3	54.9	23.7	1.0	49.1	1910	11798
	Pioneer	30F34	6.7	21.1	71.9	10.4	7	7.6	31.3	56.9	4.8	56.6	30.5	4.1	51.0	2061	13888
	Hytest	HT92-90W	6.6	20.6	72.3	11.6	6	6.1	39.5	68.0	6.4	54.8	22.1	0.7	50.6	2016	13125
	Kaltenberg	KB105LF (Leafy)	6.8	21.2	61.8	9.6	10	7.5	28.9	52.7	4.9	54.2	35.9	12.5	54.2	2272	16110
	Kaltenberg	Male Sterile	3.6	11.3	68.0	7.4	1	8.9	31.6	56.4	4.5	54.8	30.4	1.8	48.6	1872	6815
	Croplan	Greentreat A+	5.0	15.5	76.0	10.1	17	7.0	34.4	61.8	4.8	64.9	24.6	1.2	56.2	2508	12287
Marshfield	Dekalb	DKB393	6.2	19.3	73.5	10.0	25	6.8	39.5	67.6	5.5	55.5	21.0	0.0	51.3	2076	12844
Marshfield	Dekalb	DKB499	6.5	20.3	69.5	10.6	20	6.4	39.9	68.3	6.1	54.9	21.5	0.0	50.6	2016	13098
Marshfield	Dekalb	DKB789	5.1	15.9	72.4	11.0	11	6.0	42.4	71.0	6.7	55.1	18.9	0.3	51.7	2101	10657
Marshfield	Agroceres	AG1051	4.2	13.0	73.3	10.5	26	5.7	44.9	75.1	7.2	54.9	15.8	0.0	52.2	2133	8856
Marshfield	Agroceres	AG2060	5.6	17.4	72.4	11.1	9	5.2	40.0	69.3	6.5	54.0	22.2	0.1	48.8	1883	10492
Marshfield	Pioneer	30F34	5.8	18.1	72.4	9.8	6	7.9	32.6	58.4	4.8	55.7	28.9	4.0	51.6	2096	12148
Marshfield	Hytest	HT92-90W	5.1	16.0	71.5	10.8	7	5.9	42.1	71.5	6.9	54.7	19.5	0.0	51.9	2109	10809
Marshfield	Kaltenberg	KB105LF (Leafy)	5.4	17.0	67.6	8.8	3	7.3	31.9	58.2	5.0	55.2	30.9	0.4	46.6	1732	9391
Marshfield	Kaltenberg	Male Sterile	3.2	10.1	73.3	6.8	0	8.7	29.9	54.6	4.1	55.7	32.1	1.9	48.1	1846	5975
Marshfield	Croplan	Greentreat A+	4.3	13.3	73.6	9.1	17	5.8	35.2	63.8	5.5	69.3	24.6	1.3	58.4	2697	11517
Arlington	Dekalb	DKB393	8.5	26.6	74.7	12.9	4	6.4	37.6	65.1	5.7	53.8	24.0	0.7	48.2	1836	15632
Arlington	Dekalb	DKB499	6.8	21.3	72.3	12.8	44	5.8	38.9	66.8	5.1	54.6	23.4	1.3	49.3	1922	13102
Arlington	Dekalb	DKB789	7.7	24.0	74.3	13.0	10	6.2	37.5	64.4	5.7	54.5	24.7	1.7	49.1	1909	14657
Arlington	Agroceres	AG1051	4.8	14.9	76.8	12.8	51	6.9	40.1	67.9	6.2	52.2	20.8	0.9	49.1	1887	8955
Arlington	Agroceres	AG2060	6.8	21.1	73.6	12.8	8	5.5	37.1	64.9	6.1	55.7	25.3	1.8	49.4	1938	13104
Arlington	Pioneer	30F34	7.7	24.1	71.4	11.1	9	7.4	30.0	55.4	4.7	57.4	32.0	4.2	50.4	2027	15629
Arlington	Hytest	HT92-90W	8.0	25.1	73.1	12.5	6	6.3	37.0	64.5	5.9	54.9	24.6	1.4	49.3	1922	15441
Arlington	Kaltenberg	KB105LF (Leafy)	8.1	25.3	56.0	10.4	17	7.7	25.8	47.1	4.8	53.1	41.0	24.6	61.9	2812	22830
Arlington	Kaltenberg	Male Sterile	4.0	12.6	62.6	8.1	1	9.1	33.3	58.3	4.9	53.8	28.8	1.8	49.1	1898	7655
Arlington	Croplan	Greentreat A+	5.7	17.7	78.4	11.0	.	8.2	33.6	59.7	4.2	60.5	24.5	1.0	54.1	2320	13057
Mean			6.0	18.7	71.6	10.8	14	6.8	36.5	63.6	5.6	55.8	25.2	2.4	51.0	2058	12292
Probability (%)																	
Location (L)			<0.1	<0.1	38.1	<0.0	6.0	1.1	0.3	0.1	9.7	0.1	0.2	<0.1	<0.1	8.2	<0.1
Treatment (T)			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
L x T			2.3	2.3	<0.1	>50	0.6	0.3	<0.1	<0.1	10.0	<0.1	<0.1	<0.1	46.9	<0.1	<0.1
LSD 10%																	
Location (L)			0.4	1.2	NS	0.3	4	0.2	1.1	1.3	0.5	0.4	1.2	0.7	0.3	20	785
Treatment (T)			0.7	2.2	1.2	0.6	10	0.6	1.4	1.8	0.6	1.0	1.6	1.1	1.4	99	1554
L x T			1.0	3.2	2.0	NS	14	0.8	2.1	2.8	1.0	1.5	2.4	1.6	NS	135	2225
CV (%)			14	14	2	6	80	10	5	3	13	2	7	56	3	6	15

FIELD EXPERIMENT HISTORY

Title: **Low Energy Corn Silage Demos**

Experiment: 11 Low Starch Study **Trial ID:** 07C68 **Year:** 2007

Personnel: Z.W. Miller, M.G. Bertram

Location: De Pere, WI **County:** Outagamie

Supported by: Marshfield Ag. Research Station, District Resource Mgmt. Grant

Site Information

Field: **Previous Crop:** Alfalfa **Soil Type:** Hortonville silt loam

Soil Test : **Date:** N/A **pH** 7.4 **SOM (%)** 3.9 **P (ppm)** 105 **K (ppm)** 200+

Plot Management

Tillage Operations: Fall Chisel plow Spring Field Cultivator 3X

Fertilizer:

	Analysis	Rate	Date
Preplant	None	N/A	N/A
Starter	None	N/A	N/A
Post plant	None	N/A	N/A
Manure	Liquid Dairy	N/A	Fall
Manure	Solid Pen	N/A	Winter

Herbicide: Marksman 3.5 pt/A **Insecticide:** None

Irrigation: None **Hybrid:** varies

Planting Date: 5/14/2007 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 32,000 **plants per acre** **Planting Method:** John Deere 7000 planter

Harvest Date: 11/5/2007 **Harvest Method:** JD 5370 Self-propelled chopper

Notes:

Experimental Design

Design: Demo strips **Replications:** 1

Plot Size Seeded: 370' x 30' **Experiment Size:** 2.04 A

Harvest Plot size: 370' x 30'

Factors/Treatments:

Hybrid	Source/Type
Dekalb DKB393	Brazil- Tropical
Dekalb DKB499	Brazil- Tropical
Dekalb DKB789	Brazil- Tropical
Agroceres AG1051	Brazil- Tropical
Agroceres AG2060	Brazil- Tropical
Pioneer 30F34	Southern US- 132 RM
Hytest HT92-90W	Mexican- 135 RM
Dekalb DKC54-46	Check- 104 RM

Results: Table C-46.

FIELD EXPERIMENT HISTORY

Title: **Low Energy Corn Silage Demos**

Experiment: 11 Low Starch Study **Trial ID:** 07C68 **Year:** 2007

Personnel: M.C. Rankin, Z.W. Miller, M.G. Bertram

Location: Malone, WI **County:** Fond du Lac

Supported by: Marshfield Ag. Research Station, District Resource Mgmt. Grant

Site Information

Field: A **Previous Crop:** Oats **Soil Type:** Palms Mucky Peat

Soil Test : **Date:** 11/20/2002 **pH** 7.0 **SOM (%)** 14.6 **P (ppm)** 43 **K (ppm)** 88

Plot Management

Tillage Operations: Fall Chisel plow Spring Field Cultivator Cultivated

Fertilizer:

	Analysis	Rate	Date
Preplant	0-0-60	150 lb/A	N/A
Starter	10-34-0	5 gal/A	Planting
Starter	28-0-0	10 gal/A	Planting
Post plant	28-0-0	15 gal/A	N/A
Manure	Solid Beef	20 tn/A	Fall

Herbicide: Calisto 2.0 oz/A
Accent 0.67 oz/A
Atrazine 0.5 lb/A

Insecticide: None

Irrigation: None **Hybrid:** varies

Planting Date: 5/5/2007 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 32,000 **plants per acre** **Planting Method:** John Deere 7200 planter

Harvest Date: 10/29/2007 **Harvest Method:** Gehl forage chopper

Notes:

Experimental Design

Design: Demo strips **Replications:** 1

Plot Size Seeded: 465' x 30' **Experiment Size:** 2.56 A

Harvest Plot size: 465' x 30'

Factors/Treatments:

Hybrid	Source/Type
Dekalb DKB393	Brazil- Tropical
Dekalb DKB499	Brazil- Tropical
Dekalb DKB789	Brazil- Tropical
Agroceres AG1051	Brazil- Tropical
Agroceres AG2060	Brazil- Tropical
Pioneer 30F34	Southern US- 132 RM
Hytest HT92-90W	Mexican- 135 RM
Pioneer 38B83	Check- 96 RM

Results: Table C-46.

FIELD EXPERIMENT HISTORY

Title: **Low Energy Corn Silage Demos**

Experiment: 11 Low Starch Study **Trial ID:** 07C68 **Year:** 2007

Personnel: M.G. Bertram, Z.W. Miller

Location: Stratford, WI **County:** Marathon

Supported by: Marshfield Ag. Research Station, District Resource Mgmt. Grant

Site Information

Field: 202 **Previous Crop:** Oats **Soil Type:** Withee silt loam

Soil Test : **Date:** 4/1/04 **pH** 5.4 **SOM (%)** 3.0 **P (ppm)** 33 **K (ppm)** 89

Plot Management

Tillage Operations: Fall Chisel plow Spring Field Cultivator Cultivated

Fertilizer:

	Analysis	Rate	Date
Preplant	none	N/A	N/A
Starter	9-11-30	160 lb/A	Planting
Post plant	28-0-0	27 gal/A	6/25/2007
Manure	Solid Heifer	30.2 tn/A	8/30/2006
Manure	Solid Heifer	22.8 tn/A	1/12/2007

Herbicide: Outlook 14 oz/A
Hornet 2.4 oz/A
Atrazine 1 qt/A

Insecticide: None

Irrigation: None **Hybrid:** varies

Planting Date: 5/21/2007 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 35,000 **plants per acre** **Planting Method:** John Deere 1750 planter

Harvest Date: 11/12/2007 **Harvest Method:** John Deere forage chopper

Notes:

Experimental Design

Design: Demo strips **Replications:** 1

Plot Size Seeded: 900' x 20' **Experiment Size:** 2.89 A

Harvest Plot size: 898' x 20'

Factors/Treatments:

Hybrid	Source/Type
Dekalb DKB393	Brazil- Tropical
Dekalb DKB499	Brazil- Tropical
Dekalb DKB789	Brazil- Tropical
Agroceres AG1051	Brazil- Tropical
Agroceres AG2060	Brazil- Tropical
Pioneer 30F34	Southern US- 132 RM
Hytest HT92-90W	Mexican- 135 RM

Results: Table C-46.

Table C-46. Low Starch Corn Silage Evaluation.
Marshfield, Malone, De Pere, WI 2007.

Location	Hybrid		Yield DM	Yield 68% Wet	Moist	Lodging	CP	ADF	NDF	Lignin	NDFD	NFC	Starch	TDN	Milk per Ton	Milk per Acre
			tn/A	tn/A	%	%	%	%	%	%	%	%	%	%	lb	lb
Marshfield			3.1	9.8	71.8	11	7.5	45.7	73.9	7.2	53.1	14.6	0.2	51.3	2050	6440
Malone			7.2	22.6	69.1	4	6.0	38.0	66.0	5.9	53.1	23.7	3.6	50.9	2023	14633
De Pere			4.6	14.4	71.4	12	8.8	36.3	62.2	5.5	52.6	23.4	3.7	52.0	2101	9698
	Dekalb	DKB393	5.2	16.2	71.8	10	7.6	39.8	66.4	6.1	52.7	21.0	3.7	52.5	2133	10849
	Dekalb	DKB499	5.4	16.8	68.1	8	7.2	41.3	68.7	6.5	52.0	19.6	2.5	51.2	2037	11032
	Dekalb	DKB789	5.4	16.9	71.9	8	7.6	40.7	68.4	6.2	52.7	19.4	0.4	49.7	1931	10437
	Agroceres	AG1051	4.2	13.1	75.1	25	7.4	43.3	71.6	6.7	52.7	16.4	0.4	50.0	1958	8088
	Agroceres	AG2060	4.7	14.6	70.8	6	6.5	40.1	68.1	6.2	53.1	21.2	1.9	50.5	1996	9166
	Pioneer	30F34	5.0	15.7	69.9	3	8.0	34.4	60.3	5.2	52.4	26.4	6.0	53.2	2178	11081
	Hytest	HT92-90W	5.1	16.0	67.7	4	7.3	40.3	68.3	6.3	55.0	20.0	2.4	52.7	2172	11146
Marshfield	Dekalb	DKB393	3.5	10.9	72.8	17	7.8	45.1	72.0	6.6	53.9	15.4	1.1	52.8	2169	7563
Marshfield	Dekalb	DKB499	3.3	10.3	70.1	8	6.6	47.4	75.1	7.8	52.3	14.2	0.0	50.4	1981	6513
Marshfield	Dekalb	DKB789	3.2	9.8	71.6	10	7.7	46.4	74.2	7.2	51.8	14.1	0.0	50.6	1989	6258
Marshfield	Agroceres	AG1051	2.6	8.3	74.7	28	8.5	47.3	76.0	7.5	52.8	11.2	0.0	50.3	1981	5232
Marshfield	Agroceres	AG2060	3.1	9.6	71.5	6	6.8	45.9	75.1	7.2	52.7	14.6	0.0	51.5	2061	6351
Marshfield	Pioneer	30F34	3.1	9.8	72.9	3	7.4	40.6	69.1	6.2	53.8	19.3	0.0	51.3	2059	6453
Marshfield	Hytest	HT92-90W	3.2	9.9	68.7	5	7.3	47.1	76.0	7.6	54.1	13.2	0.0	52.0	2110	6711
Malone	Dekalb	DKB393	7.3	22.8	72.0	2	5.9	40.1	68.6	6.8	50.5	21.0	2.4	49.3	1884	13755
Malone	Dekalb	DKB499	7.3	22.8	68.7	9	5.8	38.8	67.2	5.8	52.7	22.9	4.4	51.8	2084	15186
Malone	Dekalb	DKB789	7.8	24.3	70.9	5	6.1	38.2	67.3	5.5	55.3	22.4	0.5	49.8	1963	15252
Malone	Agroceres	AG1051	6.8	21.2	73.8	6	5.1	42.0	71.1	6.5	52.4	19.9	0.7	48.6	1851	12528
Malone	Agroceres	AG2060	7.5	23.5	68.5	2	5.7	37.4	65.4	5.8	53.0	25.1	2.3	48.9	1882	14162
Malone	Pioneer	30F34	6.4	20.1	66.9	3	7.2	32.2	57.0	4.7	51.9	30.6	10.7	55.2	2323	14947
Malone	Hytest	HT92-90W	7.6	23.9	63.0	2	6.0	37.3	65.8	5.9	55.7	24.0	3.9	52.6	2172	16602
Malone	*check*		*6.8*	*21.1*	*21.3*	*3*	*6.9*	*20.9*	*42.2*	*4.1*	*61.5*	*47.4*	*37.6*	*66.4*	*3213*	*21718*
De Pere	Dekalb	DKB393	4.8	15.0	70.8	11	9.1	34.3	58.6	4.8	53.7	26.7	7.6	55.3	2347	11229
De Pere	Dekalb	DKB499	5.6	17.4	65.5	8	9.2	37.8	63.8	5.9	50.9	21.5	3.3	51.5	2046	11396
De Pere	Dekalb	DKB789	5.3	16.6	73.2	8	9.0	37.5	63.6	5.9	50.9	21.9	0.8	48.7	1841	9802
De Pere	Agroceres	AG1051	3.2	10.0	76.7	40	8.8	40.7	67.7	6.1	53.0	18.0	0.5	51.2	2042	6504
De Pere	Agroceres	AG2060	3.4	10.7	72.5	9	7.1	37.0	63.8	5.7	53.6	23.9	3.4	51.1	2045	6986
De Pere	Pioneer	30F34	5.5	17.2	69.9	4	9.4	30.3	54.7	4.6	51.4	29.4	7.4	52.9	2151	11844
De Pere	Hytest	HT92-90W	4.5	14.2	71.3	5	8.6	36.5	63.1	5.5	55.2	22.7	3.3	53.5	2233	10124
De Pere	*check*		*4.9*	*15.4*	*48.7*	*4*	*7.7*	*23.8*	*44.0*	*4.2*	*55.4*	*43.5*	*29.3*	*63.4*	*2941*	*14503*
Mean			5.0	15.6	70.8	9	7.4	40.0	67.4	6.2	52.9	20.6	2.5	51.4	2058	10257
Probability (%)																
Location (Rep)			<0.1	<0.2	7.2	8.7	<0.1	<0.1	<0.1	<0.1	>50	<0.1	1.1	44.3	>50	<0.1
Hybrid			22.9	23.9	1.5	2.3	21.1	<0.1	<0.1	3.3	27.3	<0.1	7.2	12.5	14	4
LSD 10%																
Hybrid			NS	NS	3.1	9	NS	1.8	2.7	0.7	NS	2.2	3.0	2.4	182	1652
CV (%)			12	11	3	71	8	3	3	7	2	7	84	3	6	11