

FIELD EXPERIMENT HISTORY

Title: UW Corn Trials - Private Silage
Experiment: 01STPrivate **Trial ID:** 6046 **Year:** 2015
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Chippewa Falls, WI **County:** Chippewa
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Kidney beans **Soil Type:** Sandy Loam
Soil Test: **Date:** 10/1 /15 **pH:** 6.4 **OM (%)** 2.2 **P (ppm)** 47 **K (ppm)** 148

Plot Management

Tillage Operations: Turbo-Till

Fertilizer:	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	N/A	N/A	N/A
Starter	10-12-30-6S	174 lbs/A	4 /28/15
Post plant	82-0-0	160 lbs/A	
Manure:	N/A	N/A	N/A

Herbicide: Capreno 3.0 oz/A **Insecticide:** Force 3G 4.4 lbs/A

Irrigation: Irrigated **Hybrid:** Factor

Planting Date: 4/28/15 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/15/15 **Harvest Method:** New Holland 707 Plot Chopper

Notes:

Experimental Design

Design: RCB

Replications: 3

Plot Size Seeded: 5 x 25

Experiment Size: 0.25 A

Harvest Plot Size: 23.75' x 2.5'

Harvest Plant Density: 32280 plants per acre

Hybrids:

S1501	S1508	S1508
S1502	S1509	S1509
S1503	S1510	S1510
S1504	S1511	S1511
S1505	S1512	S1512
S1506	S1514	S1514
S1507	S1519	S1519

Results: Table 1501-16.

FIELD EXPERIMENT HISTORY

Title: UW Corn Trials - Private Silage
Experiment: 01STPrivate **Trial ID:** 6045 **Year:** 2015
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Marshfield, WI **County:** Marathon
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Loyal Silt Loam
Soil Test: **Date:** 10/1 /15 **pH:** 7.1 **OM (%)** 3.7 **P (ppm)** 36 **K (ppm)** 120

Plot Management

Tillage Operations: Field Cultivator

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 /29/15
Post plant	32-0-0	40 gal/A	6/22/15
Manure:	N/A	N/A	7/9/15

Herbicide:	Medal II 1.7 pt/A Hornet WDG 3.0 oz/A Status 3.0 oz/A	Insecticide:	Force 3G 4.4 lbs/A
		Hybrid:	Factor

Irrigation: None

Planting Date: 4/29/15 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/29/15 **Harvest Method:** New Holland 707 Plot Chopper

Notes:

Experimental Design

Design: RCB

Replications: 3

Plot Size Seeded: 5 x 25

Experiment Size: 0.25 A

Harvest Plot Size: 23.75' x 2.5'

Harvest Plant Density: 29162 plants per acre

Hybrids:

S1501	S1508	S1508
S1502	S1509	S1509
S1503	S1510	S1510
S1504	S1511	S1511
S1505	S1512	S1512
S1506	S1514	S1514
S1507	S1519	S1519

Results: Table 1501-17.

**Table: 1501-17. AgReliant Hybrid Corn Silage Evaluation Study.
Marshfield, WI - 2015.**

Hybrid	Dry Matter							Milk Per		
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
S1501	4.2	46.7	7.3	29.1	49.4	79.8	59.2	29.7	3182	13152
S1502	5.8	60.6	7.2	28.9	50.4	80.5	61.2	30.3	3209	18463
S1503	5.3	64.7	7.2	27.8	49.7	81.5	63.1	30.7	3274	17423
S1504	5.4	54.0	6.8	28.0	49.6	81.8	63.3	30.5	3288	17775
S1505	5.0	60.5	7.7	27.0	46.8	80.8	59.1	33.3	3258	16359
S1506	5.6	54.3	7.1	27.3	46.4	81.7	60.4	32.9	3310	18607
S1507	6.6	62.7	7.9	28.3	50.3	80.4	61.0	29.9	3202	21214
S1508	5.2	64.5	6.9	24.9	43.8	84.3	64.2	36.8	3478	17983
S1509	6.0	66.0	7.6	26.5	47.6	82.9	64.1	33.6	3366	20055
S1510	6.5	65.9	7.2	27.3	48.3	82.8	64.4	33.0	3355	21688
S1511	6.2	66.8	7.8	26.9	47.3	82.0	61.9	32.6	3318	20441
S1512	6.3	68.0	6.8	26.7	47.9	83.3	65.1	33.9	3386	21315
S1514	6.9	62.9	6.8	26.6	46.2	82.0	60.8	33.4	3326	23117
S1519	6.4	66.2	7.3	27.9	49.5	82.1	63.9	30.4	3307	21244
S1524	5.5	70.5	7.2	29.7	52.4	81.0	63.5	26.7	3218	17576
S1525	6.5	70.5	7.4	29.4	51.8	81.1	63.5	26.6	3231	20992
S1526	6.2	70.5	7.2	29.7	50.6	79.8	60.0	29.2	3170	19671
S1529	8.5	68.7	7.5	27.6	47.4	80.6	59.1	30.4	3240	27652
S1530	7.5	66.0	6.8	26.1	46.1	83.3	63.9	35.4	3404	25473
S1531	7.7	69.4	7.5	29.3	51.0	80.5	61.7	27.9	3204	24706
Mean	6.2	64.0	7.3	27.7	48.6	81.6	62.2	31.4	3286	20245
Probability (%)										
Hybrid	0.0	0.0	0.3	10.3	6.1	8.1	14.6	0.1	6.4	0.0
LSD (0.10)										
Hybrid	1.1	3.3	0.5	NS	3.9	2.3	NS	3.6	147.8	4070

FIELD EXPERIMENT HISTORY

Title: UW Corn Trials - Private Silage
Experiment: 01STPrivate **Trial ID:** 6044 **Year:** 2015
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Valders, WI **County:** Manitowoc
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Kewaunee Clay Loam
Soil Test: **Date:** 10/1 /15 **pH:** 7.3 **OM (%)** 2.6 **P (ppm)** 147 **K (ppm)** 136

Plot Management

Tillage Operations: Field Cultivator

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	5 /4 /15
Post plant	28-0-0	30 gal/A	6 /25/15
Manure:	Dairy	9000 gal/A	Fall

Herbicide: Keystone LA 1.5 oz/A Steadfast 1.0 oz/A Callisto 3.0 oz/A Atrazine 0.25 lb/A	Insecticide: Force 3G 4.4 lbs/A Hybrid: Factor
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Irrigation: None

Planting Date: 5/4/15 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/23/15 **Harvest Method:** New Holland 707 Plot Chopper

Notes:

Experimental Design

Design: RCB	Replications: 3
Plot Size Seeded: 5 x 25	Experiment Size: 0.25 A
Harvest Plot Size: 23.75' x 2.5'	Harvest Plant Density: 30592 plants per acre

Hybrids:

S1501	S1508	S1508
S1502	S1509	S1509
S1503	S1510	S1510
S1504	S1511	S1511
S1505	S1512	S1512
S1506	S1514	S1514
S1507	S1519	S1519

Results: Table 1501-18.

Table: 1501-18. AgReliant Hybrid Corn Silage Evaluation Study.
Valders, WI - 2015.

Hybrid	Dry Matter							Milk Per		
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
S1501	5.7	46.5	6.3	26.6	47.3	82.2	62.4	33.4	3356	19105
S1502	7.6	45.9	5.9	28.9	50.4	79.9	60.2	31.8	3211	24436
S1503	6.8	51.6	5.8	27.2	48.2	81.7	62.1	33.6	3325	22754
S1504	7.0	48.2	6.2	26.4	45.9	82.1	60.9	35.9	3360	23570
S1505	7.6	53.2	6.3	25.2	44.6	82.3	60.1	36.4	3378	25689
S1506	7.6	52.8	5.6	26.3	45.9	83.4	64.0	37.1	3437	26144
S1507	8.7	54.0	6.4	25.6	47.3	83.2	64.4	34.6	3408	29798
S1508	7.5	59.8	6.1	26.0	47.8	84.4	67.4	35.2	3472	26055
S1509	9.3	60.1	5.8	25.9	48.1	84.9	68.6	36.5	3498	32643
S1510	7.7	56.5	5.8	26.9	48.2	82.6	63.9	34.3	3371	26010
S1511	8.6	63.9	6.0	29.4	54.0	81.6	66.0	29.0	3271	28058
S1512	8.7	59.7	6.0	26.0	46.8	84.1	65.9	35.0	3462	29999
S1514	8.8	58.3	6.0	26.7	47.6	82.9	63.9	33.1	3390	29905
S1519	9.3	58.2	5.7	25.3	45.0	84.4	65.3	35.7	3494	32536
S1524	10.2	65.3	6.1	26.6	48.4	82.6	64.0	33.1	3367	34614
S1525	9.7	63.9	5.8	29.4	52.3	81.5	64.7	28.8	3280	31682
S1526	9.0	66.9	5.9	30.6	53.4	80.5	63.7	27.8	3217	29069
S1529	9.4	62.8	5.6	27.7	49.8	82.1	64.1	31.0	3332	31491
S1530	9.6	63.6	5.7	26.8	49.3	83.6	66.6	34.1	3416	32680
S1531	9.9	65.0	5.8	30.8	53.5	79.9	62.5	27.2	3184	31576
Mean	8.4	57.8	5.9	27.2	48.7	82.5	64.0	33.2	3362	28391
Probability (%)										
Hybrid	0.0	0.0	42.1	2.5	1.7	7.4	4.0	0.6	6.9	0.3
LSD (0.10)										
Hybrid	1.4	4.1	NS	2.8	4.5	2.6	3.9	4.5	169	5486