

## FIELD EXPERIMENT HISTORY

**Title:** UW Corn Trials - Private Silage  
**Experiment:** 01STPrivate **Trial ID:** 3535 **Year:** 2013  
**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:** Soybean **Soil Type:** Sattre Silt Loam  
**Soil Test:** **Date:** 10/1 /13 **pH:** 5.7 **OM (%)** 2.9 **P (ppm)** 61 **K (ppm)** 105

### Plot Management

**Tillage Operations:** Field Cultivator Cultivated  
**Fertilizer:**

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
<b>Preplant</b>	28-0-0	120	N/A
<b>Starter</b>	10-34-0	3.0 gal/A	5 /7 /13
<b>Post plant</b>	46-0-0	93	6 /24/13
<b>Manure:</b>	N/A	N/A	N/A

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

**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:** 9/13/13 **Harvest Method:** New Holland 707 Plot Chopper

**Notes:** Planted adjacent to public silage trial

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 5 x 25 **Experiment Size:** 0.33 A  
**Harvest Plot Size:** 22' x 2.5' **Harvest Plant Density:** 31060 plants per acre

**Hybrids:**

S1301	S1307
S1302	S1308
S1303	S1309
S1304	S1310
S1305	S1311
S1306	S1312

**Results: Table 1301-15.**

**Table: 1301-15. AgReliant Hybrid Corn Silage Evaluation Study.  
Chippewa Falls, WI - 2013.**

Hybrid	Dry Matter							Milk Per		
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
S1301	3.0	54.2	8.3	27.6	52.5	82.0	65.7	23.7	3322	9962
S1302	3.3	56.1	8.4	25.2	49.1	83.7	66.9	27.0	3442	11339
S1303	3.7	55.1	8.7	28.3	54.0	81.2	65.2	21.6	3268	12057
S1304	3.3	59.0	8.2	27.1	53.0	82.4	66.9	24.2	3341	11175
S1305	3.8	55.8	8.2	28.3	53.5	81.1	64.8	23.0	3270	12466
S1306	3.5	58.2	8.3	27.3	52.6	82.7	67.1	25.5	3359	11843
S1307	3.5	59.3	8.5	27.6	51.9	82.4	66.2	23.3	3349	11634
S1308	3.4	61.1	7.9	30.0	56.3	81.2	66.6	19.1	3252	11064
S1309	3.9	58.3	8.2	28.2	52.8	82.4	66.7	22.9	3344	13144
S1310	3.2	59.0	8.0	30.3	55.4	81.0	65.6	20.8	3248	10473
S1311	4.1	60.2	8.2	30.3	56.4	81.2	66.7	20.9	3251	13391
S1312	3.6	61.6	7.9	31.1	57.6	80.3	65.8	18.4	3196	11399
Mean	3.5	58.2	8.2	28.4	53.8	81.8	66.2	22.5	3303	11662
<b><u>Probability (%)</u></b>										
Hybrid	8.7	5.6	48.8	8.9	14.3	21.8	33.1	12.8	18.7	16.8
<b><u>LSD (0.10)</u></b>										
Hybrid	0.6	3.9	NS	3.0	NS	NS	NS	NS	NS	NS

## FIELD EXPERIMENT HISTORY

**Title:** UW Corn Trials - Private Silage  
**Experiment:** 01STPrivate **Trial ID:** 3523 **Year:** 2013  
**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:** Wheat **Soil Type:** Silt Loam  
**Soil Test:** **Date:** 10/1 /13 **pH:** 7.2 **OM (%)** 3.4 **P (ppm)** 31 **K (ppm)** 118

### Plot Management

**Tillage Operations:** Chisel Plow      Field Cultivator      Cultivated

<b>Fertilizer:</b>	<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 /16/13
Post plant	46-0-0	55	6 /26/13
Manure:	Dairy	9000 gal	Fall

**Herbicide:** Keystone LA 1.5 oz/A      **Insecticide:** Force 3G 4.4 lbs/A  
 Steadfast 1.0 oz/A      Factor  
 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:** 9/24/13      **Harvest Method:** New Holland 707 Plot Chopper

**Notes:** Planted adjacent to public silage trial

### Experimental Design

**Design:** RCB

**Replications:** 3

**Plot Size Seeded:** 5 x 25

**Experiment Size:** 0.33 A

**Harvest Plot Size:** 22' x 2.5'

**Harvest Plant Density:** 33332 plants per acre

#### Hybrids:

S1301	S1307
S1302	S1308
S1303	S1309
S1304	S1310
S1305	S1311
S1306	S1312

**Results: Table 1301-16.**

**Table: 1301-16. AgReliant Hybrid Corn Silage Evaluation Study.  
Valders, WI - 2013.**

Hybrid	Dry Matter							Milk Per		
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
S1301	8.2	65.6	7.7	23.2	42.3	84.4	63.1	36.5	3490	28601
S1302	6.2	65.8	6.9	25.1	45.1	83.5	63.4	35.7	3418	21516
S1303	8.1	65.7	7.9	23.4	43.8	84.1	63.7	33.9	3460	28176
S1304	7.2	65.7	7.4	29.3	50.9	80.1	60.9	28.5	3185	23187
S1305	7.6	65.8	6.9	27.8	48.3	81.2	61.3	31.2	3271	25161
S1306	8.4	65.3	6.9	27.9	49.6	81.0	61.7	31.0	3247	27183
S1307	7.0	65.8	7.0	23.1	43.0	84.8	64.7	36.6	3508	24788
S1308	10.1	65.4	7.1	28.3	49.7	81.3	62.5	30.6	3262	32890
S1309	10.1	65.7	7.1	25.9	46.9	82.8	63.5	32.9	3368	33898
S1310	9.2	65.6	7.4	27.0	47.8	81.7	61.7	32.4	3298	30338
S1311	10.3	65.7	7.0	28.0	49.6	81.1	61.9	30.0	3249	33352
S1312	11.1	65.5	7.1	26.8	48.4	82.0	62.8	31.4	3308	36901
Mean	8.6	65.6	7.2	26.3	47.1	82.3	62.6	32.6	3339	28833
<b><u>Probability (%)</u></b>										
Hybrid	0.3	88.9	22.1	2.4	7.3	9.2	51.4	10.1	8.0	1.4
<b><u>LSD (0.10)</u></b>										
Hybrid	1.8	NS	NS	3.2	4.9	2.7	NS	NS	182.6	6541