

FIELD EXPERIMENT HISTORY

Title: UW Corn Trials - Private Silage
Experiment: 01STPrivate **Trial ID:** 5997 **Year:** 2015
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Chippewa Falls, WI **County:** Chippewa
Supported By: Latham Hi-Tech

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	N/A
Manure:	None	N/A	N/A

Herbicide: Capreno 3.0 oz/A **Insecticide:** Force 3G 4.4 lbs/A
 Atrazine 0.5 lb/A **Hybrid:** Factor

Irrigation: Irrigated

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:** 32647 plants per acre

Hybrids:

4645VT2PRORIB
 5215VT2PRORIB
 5495-3122E-ZR
 EX5962RRLFY

Results: Table 1501-19.

**Table: 1501-19. Latham Hi-Tech Hybrid Corn Silage Evaluation Study.
Chippewa Falls, WI - 2015.**

Hybrid	Dry Matter							Milk Per		
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
4645VT2PRORIB	8.6	59.6	7.6	27.5	49.2	81.9	63.2	32.6	3302	28244
5215VT2PRORIB	9.4	65.5	6.7	30.5	54.7	80.7	64.9	28.8	3194	30330
5495-3122E-ZR	9.0	70.9	7.5	29.9	54.0	79.6	62.2	27.6	3136	28224
EX5962RRLFY	9.6	70.4	8.1	34.0	58.0	76.9	60.3	20.3	2959	28350
Mean	9.1	66.6	7.5	30.5	54.0	79.8	62.6	27.3	3148	28787
<u>Probability (%)</u>										
Hybrid	71.7	1.0	4.6	35.5	40.3	23.5	10.5	14.2	27.4	92.2
<u>LSD (0.10)</u>										
Hybrid	NS	4.7	0.7	NS	NS	NS	NS	NS	NS	NS

FIELD EXPERIMENT HISTORY

Title: UW Corn Trials - Private Silage
Experiment: 01STPrivate **Trial ID:** 5995 **Year:** 2015
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Marshfield, WI **County:** Wood
Supported By: Latham Hi-Tech

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:	None	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:

4645VT2PRORIB
 5215VT2PRORIB
 5495-3122E-ZR
 EX5962RRLFY

Results: Table 1501-20.

**Table: 1501-20. Latham Hi-Tech 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
4645VT2PRORIB	5.9	67.5	7.3	27.7	50.9	82.9	66.5	29.4	3299	19724
5215VT2PRORIB	5.2	68.6	7.7	28.3	48.1	81.6	61.5	28.3	3252	16786
5495-3122E-ZR	6.4	71.5	8.4	30.2	49.9	76.3	52.4	25.4	2947	18698
EX5962RRLFY	7.2	70.0	7.8	31.6	53.4	77.1	56.9	19.6	2954	21279
Mean	6.2	69.4	7.8	29.4	50.6	79.5	59.3	25.7	3113	19122
<u>Probability (%)</u>										
Hybrid	41.2	11.1	23.2	18.7	51.3	0.1	0.5	10.5	0.6	70.5
<u>LSD (0.10)</u>										
Hybrid	NS	NS	NS	NS	NS	1.9	4.6	NS	149.4	NS

FIELD EXPERIMENT HISTORY

Title: UW Corn Trials - Private Silage
Experiment: 01STPrivate **Trial ID:** 3092 **Year:** 2015
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Valders, WI **County:** Manitowoc
Supported By: Latham Hi-Tech

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

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: 27878 plants per acre

Hybrids:

4645VT2PRORIB
 5215VT2PRORIB
 5495-3122E-ZR
 EX5962RRLFY

Results: Table 1501-21.

**Table: 1501-21. Latham Hi-Tech 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
4645VT2PRORIB	9.3	58.9	6.0	26.5	47.5	83.5	65.4	34.6	3414	31925
5215VT2PRORIB	10.7	65.4	5.9	29.7	51.5	81.5	64.0	28.7	3271	35093
5495-3122E-ZR	8.7	67.1	5.9	28.2	50.0	81.6	63.1	29.5	3289	28475
EX5962RRLFY	9.0	69.7	5.4	34.4	59.2	76.3	59.9	18.8	2931	26263
Mean	9.4	65.3	5.8	29.7	52.0	80.7	63.1	27.9	3226	30439
<u>Probability (%)</u>										
Hybrid	26.8	0.5	55.8	2.2	2.8	3.2	24.4	0.7	2.6	17.1
<u>LSD (0.10)</u>										
Hybrid	NS	3.6	NS	3.5	5.5	3.5	NS	5.3	223	NS