FIELD EXPERIMENT HISTORY

Title: **Private Silage - Duracade**

Experiment: 01ST **Trial ID:** 6376 **Year:** 2019

Personnel: Joe Lauer, Kent Kohn, Thierno Diallo

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

Supported By: HATCH, Syngenta

Site Information

Field: ARS406 **Previous Crop:** Alfalfa **Soil Type:** Plano Silt Loam

Soil Test: **Date:** 5 /1 /19 **pH:** 5.7 **OM (%)** 3.3 **P (ppm)** 30 **K (ppm)** 136

Plot Management

Tillage Operations: Disk Chisel Field Cultivator

Fertilizer:

	Analysis	Rate	Date
Preplant	32-0-0	35 gal/A	N/A
Starter	9-11-30-6S-1Zn	200 lbs/A	5 /13/19
Post plant	N/A	N/A	N/A
Manure:	Dairy	9258 gal/A	N/A

Herbicide: Resicore 80.0 oz/A **Insecticide:** Force 3G 4.4 lbs/A

Irrigation: None **Hybrid:** Factor

Planting Date: 5/13/19 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 35000 **plants per acre** **Planting Method:** Almaco Plot Planter

Harvest Date: 9/18/19 **Harvest Method:** NH 707

Experimental Design

Design: RCB **Replications:** 4

Plot Size Seeded: 5' x 23' **Experiment Size:** 0.25 A

Harvest Plot Size: 2.5' x 23' **Harvest Plant Density:** 31817 **plants per acre**

Hybrids:

G90138
G90169
G90628
G90771
G91175
G99944
SL5196
X43297

Results: Table 1901-01.

Table: 1901-01. Duracade Corn Silage Evaluation Study.

Arlington, WI - 2019.

	Dry Matter								Milk Per	
Hybrid	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
G90138	10.4	68.3	7.7	21.5	39.0	83.6	58.1	30.5	3307	34178
G90169	11.5	68.9	7.4	21.9	39.3	83.4	58.0	29.7	3229	37600
G90628	9.1	67.6	8.3	19.8	36.6	85.5	60.7	31.1	3315	30274
G90771	10.7	69.5	7.9	21.7	39.8	83.6	58.9	27.1	3101	33226
G91175	11.2	71.4	7.6	26.2	45.8	79.9	56.2	20.3	2760	30860
G99944	10.2	66.8	7.5	24.7	42.2	80.5	54.0	26.5	3011	31044
SL5196	9.0	69.2	7.8	21.7	39.4	84.0	59.5	28.7	3216	28808
X43297	8.3	68.7	7.8	24.4	42.5	80.6	54.3	24.4	2901	24292
Mean	10.0	68.8	7.7	22.8	40.6	82.6	57.5	27.3	3105	31285
Probability (%)										
Hybrid (H)	26.4	43.1	0.9	2.8	1.3	1.5	1.8	0.5	0.2	34.0
LSD (0.10)										
Hybrid (H)	NS	NS	0.3	2.9	3.5	2.7	3.3	4.0	214	NS