

FIELD EXPERIMENT HISTORY

Title: Progress of Whole Plant Drydown on Corn Silage.
Experiment: 15 Silage Dry-Down **Trial ID:** 2736 **Year:** 2005
Personnel: J. G. Lauer, K.D. Kohn, P.J. Flannery
Location: Arlington, WI **County:** Columbia
Supported By: HATCH

Site Information

Field: ARS368S **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/1 /05 **pH** 6.4 **OM (%)** 3.1 **P (ppm)** 22 **K (ppm)** 131

Plot Management

Tillage Operations: Fall Chisel Plow Field Cultivator
Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 325 **Date:** 4 /14/05
Starter Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A
Herbicide: Outlook 20.0 oz/A **Insecticide:** N/A
 Hornet 4.0 oz/A **Hybrid:** Dekalb DKC53-34
Irrigation: None
Planting Date: 4/29/05 **Planting Depth:** 1.5" **Row Width** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Kinze Inter-Row Planter
Harvest Date: See Factors **Harvest Method:** Hand Harvest

Experimental Design

Design: Random **Replications:** 3
Plot Size Seeded: 1.5 Acres **Experiment Size:** 0.5 Acres
Harvest Plot Size: 2.5' x 2' **Harvest Plant Density:** 30000 plants per acre

Factors/Treatments:

Harvest Dates:

Aug. 26, Aug. 29, Sept. 1, Sept. 6, Sept. 9, Sept. 13,
Sept. 16, and Sept. 19,

Results: Table C-69.

**Table C-69. Silage Dry-Down
Arlington, WI - 2005.**

Sample Date	Day of year	Type	Moisture %	Kernel milk %
		Grain	40.0	40.8
		Stover	63.3	-
		Whole Plant	51.7	40.2
August 26	238		63.1	77.5
August 29	241		62.6	74.2
September 01	244		59.9	63.3
September 06	249		51.2	50.0
September 09	252		50.3	38.3
September 13	256		42.1	18.3
September 16	259		41.5	2.5
September 19	262		42.6	0.0
August 26	238	Grain	51.8	78.3
August 26	238	Stover	72.7	-
August 26	238	Whole Plant	64.9	76.7
August 29	241	Grain	52.4	75.0
August 29	241	Stover	74.5	-
August 29	241	Whole Plant	60.9	73.3
September 01	244	Grain	47.1	65.0
September 01	244	Stover	72.5	-
September 01	244	Whole Plant	60.1	61.7
September 06	249	Grain	41.1	50.0
September 06	249	Stover	62.6	-
September 06	249	Whole Plant	50.0	50.0
September 09	252	Grain	37.1	38.3
September 09	252	Stover	62.5	-
September 09	252	Whole Plant	51.3	38.3
September 13	256	Grain	29.5	16.7
September 13	256	Stover	54.8	-
September 13	256	Whole Plant	41.9	20.0
September 16	259	Grain	31.5	3.3
September 16	259	Stover	51.8	-
September 16	259	Whole Plant	41.3	1.7
September 19	262	Grain	29.6	0.0
September 19	262	Stover	54.8	-
September 19	262	Whole Plant	43.3	0.0
Mean			51.7	40.5
Probability(%)				
Sample Date (S)			0.0	0.0
Type (T)			0.0	48.7
S x T			4.3	73.3
LSD (0.10)				
Sample Date (S)			1.5	2.5
Type (T)			0.9	NS
S x T			2.5	NS
CV(%)				
			4	8