

FIELD EXPERIMENT HISTORY

Title: Progress of Whole Plant Drydown on Corn Silage.
Experiment: 15Harvest **Trial ID** 2503 **Year:** 2003
Personnel: J. G. Lauer, K.D. Kohn, P.J. Flannery
Location: Arlington, WI **County:** Columbia
Supported By: HATCH

Site Information

Field: 398 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/1 /99 **pH** **OM (%)** **P (ppm)** 29 **K (ppm)** 130

Plot Management

Tillage Operations: No-Till

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Fertilizer:			
Preplant :	46-0-0	325	4 /23/03
Starter :	5-14-42	100	4 /28/03
Post plant :	N/A	N/A	N/A
Manure:	N/A	N/A	
Herbicide:	Buctril 1.0 pt/A Duall II 1.5 pt/A Roundup WeatherMax 13.0 oz/A	Insecticide: None	
		Hybrid: Renk RK772	
Irrigation:	None		
Planting Date:	4/28/04	Planting Depth: 2.0"	Row Width: 30"
Target Plant Density: 32000 plants per acre		Planting Method: John Deere 1750	
Harvest Date: See Factors		Harvest Method: Hand Harvest	

Experimental Design

Design: Random **Replications:** 3
Plot Size Seeded: 3.7 Acre **Experiment Size:** 3.7 Acre
Harvest Plot Size: 2.5' x 2'

Factors/Treatments:

Harvest Dates:

Aug. 29, Sept. 2,
 Sept. 5, Sept. 9,
 Sept. 12, Sept. 15,
 Sept. 19, Sept. 23.

Description of Harvest Area:

Normal
 Stressed

Results: Table C-9.

**Table C-9. Silage Dry-Down
Arlington, WI - 2003.**

Harvest Date	Harvest Date DOY	Area	Whole Plant Moisture %	Kernel milk %
		Normal	62.0	53.1
		Stressed	48.5	15.4
29-Aug	241		67.4	67.5
02-Sept	245		66.5	65.0
05-Sept	248		55.2	35.0
09-Sept	252		55.0	28.3
12-Sept	255		48.5	29.2
15-Sept	258		59.2	22.5
19-Sept	262		41.9	17.5
23-Sept	266		48.3	9.2
29-Aug	241	Normal	71.2	80.0
29-Aug	241	Stressed	63.6	55.0
02-Sept	245	Normal	70.0	73.3
02-Sept	245	Stressed	63.0	56.7
05-Sept	248	Normal	62.9	65.0
05-Sept	248	Stressed	47.4	5.0
09-Sept	252	Normal	60.7	53.3
09-Sept	252	Stressed	49.3	3.3
12-Sept	255	Normal	60.3	55.0
12-Sept	255	Stressed	36.7	3.3
15-Sept	258	Normal	62.8	45.0
15-Sept	258	Stressed	55.6	0.0
19-Sept	262	Normal	52.6	35.0
19-Sept	262	Stressed	31.2	0.0
23-Sept	266	Normal	55.3	18.3
23-Sept	266	Stressed	41.3	0.0
Mean			55.2	34.3
<u>Probability(%)</u>				
Harvest Date (D)			0.0	0.0
Area (A)			0.0	0.0
D x A			1.0	0.0
<u>LSD (0.10)</u>				
Harvest Date (D)			4.1	4.5
Area (A)			2.0	2.3
D x A			5.6	6.4
<u>CV(%)</u>				
			7	13