

FIELD EXPERIMENT HISTORY

Title: Date of Planting and Hybrid Influence on Corn Forage and Corn Grain Yield
Experiment: 03DOP **Trial ID:** 3519 **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Arlington, WI **County:** Columbia
Supported By: HATCH

Site Information

Field: ARS369 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/1 /12 **pH:** 5.7 **OM (%)** 3.3 **P (ppm)** 39 **K (ppm)** 84

Plot Management

Tillage Operations: Spring Chisel Field Cultivator

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Fertilizer:			
Preplant :	46-0-0	325	4 /24/12
Starter :	9-23-30	150	See Factors
Post plant :	N/A	N/A	N/A
Manure:	N/A	N/A	N/A
Herbicide:	Dual II 1.5 pt/A Hornet 4.0 oz/A	Insecticide: Force 3G 4.4 lb/A	
		Hybrid: See Factors	
Irrigation:	none		
Planting Date:	See Factors	Planting Depth: 1.5"	Row Width: 30"
Target Plant Density: 32000 plants per acre		Planting Method: Kinze Plot Planter	
Harvest Date: S: 9/13/12 G: 10/18/12		Harvest Method: S: New Holland 707 G: Massey Ferguson 8XP	

Notes:

Experimental Design

Design: RCB split-plot **Replications:** 4
Plot Size Seeded: 30' x 20' **Experiment Size:** 1.1 A
Harvest Plot Size: S: 25' x 2.5'
G: 25' x 5' **Harvest Plant Density:** 32409 plants per acre

Factors/Treatments:

<u>Date of Planting:</u>	<u>Hybrids:</u>
March 26	Croplan 3514VT3
May 08	Mycogen F2F665
May 21	Pioneer 35F48AM1
June 04	
June 15	

Results: Tables C-22, C-23, and C-24.

Table C- 22. Planting Date and Hybrid Influence on Corn Grain and Silage Performance.
Arlington, WI - 2012.

Planting date	Hybrid	Grain												
		Harvest density	Yield	Moisture	Test weight	Lodged			Return	Grain Composition			Ethanol	
		plants/A	bu/A	%	lbs/bu	Total	Stalk	Root	\$/A	Oil	Starch	Protein	per bu	per A
						%	%	%		%	%	%	gallons	gallons
March 26		28619	168	18.0	57	6	1	5	907	3.4	65.6	8.2	2.9	483
May 08		32583	207	18.8	57	5	2	3	1110	3.5	66.3	7.6	2.9	599
May 21		33715	224	22.9	55	2	1	1	1184	3.5	66.3	7.4	2.9	649
June 04		35458	200	31.9	53	0	0	0	1025	3.3	66.1	7.9	2.9	572
June 15		31668	106	46.2	50	1	0	0	514	3.0	65.2	9.4	2.8	298
	Croplan 3514VT3	32008	173	25.0	55	2	1	2	913	3.3	65.6	8.2	2.9	546
	Pioneer 35F48AM1	32809	189	30.1	54	3	1	2	983	3.3	66.1	8.0	2.9	495
March 26	Croplan 3514VT3	27530	153	16.6	58	4	1	4	830	3.3	65.6	8.2	2.9	529
March 26	Pioneer 35F48AM1	29708	183	19.4	56	7	2	5	984	3.4	65.6	8.2	2.9	437
May 08	Croplan 3514VT3	31886	195	17.0	58	5	2	4	1055	3.4	66.0	7.7	2.9	636
May 08	Pioneer 35F48AM1	33280	218	20.6	56	5	2	3	1165	3.6	66.6	7.4	2.9	562
May 21	Croplan 3514VT3	33367	212	20.1	56	2	1	1	1133	3.5	66.2	7.6	2.9	686
May 21	Pioneer 35F48AM1	34064	236	25.7	55	3	1	2	1235	3.5	66.4	7.2	2.9	612
June 04	Croplan 3514VT3	34587	199	28.7	52	0	0	0	1030	3.3	65.4	8.1	2.9	577
June 04	Pioneer 35F48AM1	36329	202	35.1	53	0	0	0	1019	3.2	66.7	7.6	2.9	567
June 15	Croplan 3514VT3	32670	106	42.7	50	1	1	0	518	3.2	64.9	9.4	2.8	301
June 15	Pioneer 35F48AM1	30666	107	49.6	51	0	0	0	509	2.9	65.4	9.3	2.8	295
Mean		32409	181	27.6	54	3	1	2	948	3.3	65.9	8.1	2.9	520
Probability(%)														
Date of Planting (D)		1.3	0.0	0.0	0.0	0.6	24.1	2.9	0.0	0.0	7.1	0.0	0.0	0.0
Hybrid (H)		44.4	0.4	0.0	0.7	30.3	15.3	53.5	1.1	94.1	0.5	4.0	0.0	0.2
D x H		71.6	24.0	11.2	0.0	36.2	29.4	42.7	16.3	0.4	17.0	54.6	3.3	20.3
LSD (0.10)														
Date of Planting (D)		2874	16	2.2	1	3	NS	3	78	0.1	0.7	0.3	0.0	44
Hybrid (H)		NS	8	0.9	0	NS	NS	NS	42	0.1	0.3	0.2	0.0	24
D x H		NS	NS	NS	0.9	NS	NS	NS	NS	0.1	0.8	0.4	0.0	NS

continued

Table C- 22. Planting Date and Hybrid Influence on Corn Grain and Silage Performance.

(continued)

Arlington, WI - 2012.

Planting date	Hybrid	Whole Plant														
		Dry Matter		Harvest density	Kernel milk	KMR 0-5	SMR 0-5	VMR 0-10	Crude protein	Whole Plant			<i>In Vitro</i>		Milk per	
		yield tons/A	moisture %							ADF %	NDF %	Digest %	NDFD %	Starch %	Ton lbs/T	Acre lbs/A
March 26		6.9	56.1	30753	23.8	1.2	0.5	1.7	7.8	22.0	40.4	85.0	62.9	36.1	3547	24556
May 08		8.4	57.5	32844	43.1	2.2	0.6	2.8	7.5	21.6	39.2	85.8	63.7	38.4	3602	30455
May 21		8.4	62.1	35458	71.9	3.6	1.0	4.6	8.1	22.8	40.0	85.2	62.9	37.8	3561	30048
June 04		7.7	70.3	34935	91.9	4.6	1.1	5.7	8.6	30.0	50.2	81.4	62.3	25.4	3263	25190
June 15		6.7	74.7	33193	97.5	4.9	1.3	6.2	8.9	33.9	57.6	79.8	64.2	15.6	3106	20918
	Mycogen F2F665	7.5	66.4	33872	68.8	3.4	1.0	4.4	8.2	28.4	49.5	83.7	66.7	25.8	3392	25485
	Pioneer 35F48AM1	7.8	61.9	33001	62.5	3.1	0.8	3.9	8.1	23.7	41.4	83.2	59.6	35.5	3439	26982
March 26	Mycogen F2F665	7.1	58.2	31363	23.8	1.2	0.5	1.6	7.7	21.5	40.1	86.6	66.4	37.6	3638	25749
March 26	Pioneer 35F48AM1	6.8	54.1	30144	23.8	1.2	0.5	1.7	7.9	22.4	40.7	83.4	59.3	34.6	3456	23363
May 08	Mycogen F2F665	8.4	59.7	33977	50.0	2.5	0.6	3.1	7.6	22.8	41.3	86.0	66.2	36.3	3598	30424
May 08	Pioneer 35F48AM1	8.4	55.3	31712	36.3	1.8	0.7	2.5	7.5	20.4	37.0	85.6	61.1	40.4	3607	30486
May 21	Mycogen F2F665	8.2	65.1	35371	78.8	3.9	1.2	5.1	8.3	25.3	43.8	84.6	64.7	33.5	3495	28736
May 21	Pioneer 35F48AM1	8.7	59.1	35545	65.0	3.3	0.8	4.1	7.9	20.3	36.3	85.9	61.1	42.2	3626	31360
June 04	Mycogen F2F665	7.5	72.5	35719	93.8	4.7	1.4	6.0	8.9	34.1	57.4	80.8	66.5	15.9	3171	23674
June 04	Pioneer 35F48AM1	8.0	68.1	34151	90.0	4.5	0.9	5.4	8.3	25.8	43.1	82.0	58.1	34.9	3356	26706
June 15	Mycogen F2F665	6.2	76.4	32931	97.5	4.9	1.4	6.3	8.7	38.2	65.2	80.4	70.0	5.8	3060	18841
June 15	Pioneer 35F48AM1	7.3	72.9	33454	97.5	4.9	1.2	6.1	9.1	29.6	49.9	79.2	58.4	25.3	3152	22994
Mean		7.6	64.1	33437	65.6	3.3	0.9	4.2	8.2	26.0	45.5	83.4	63.2	30.6	3416	26233
Probability(%)																
Date of Planting (D)		0.0	0.0	1.4	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	34.4	0.0	0.0	0.0
Hybrid (H)		5.1	0.0	23.3	1.3	1.3	19.6	0.9	33.4	0.0	0.0	18.0	0.0	0.0	3.9	4.0
D x H		12.2	60.8	69.0	15.0	15.0	62.2	31.2	15.1	0.0	0.0	0.2	0.6	0.0	0.0	4.6
LSD (0.10)																
Date of Planting (D)		0.5	1.7	2126.0	6.3	0.3	0.4	0.5	0.4	1.7	2.3	1.3	1.7	2.6	87	1968
Hybrid (H)		0.3	0.9	1229.4	3.9	0.2	0.2	0.3	0.2	0.7	1.2	0.5	1.0	1.5	36	1166
D x H		0.6	2.2	2843	8.7	0.4	0.5	0.6	0.5	2.0	2.9	1.5	2.3	3.5	100.5	2665.4

**Table C-23. Planting Date and Hybrid Influence on Corn Grain and Silage Performance.
Arlington, WI - 2012.**

Planting Date	Hybrid	Percent emerged	Silking date	Plant height	Early dent	Kernel Milk			Black layer
						75 %	50 %	25 %	
		%	doy	inches	doy	doy	doy	doy	doy
March 26		76	192	77	224	237	245	250	260
May 08		86	200	84	235	245	251	257	267
May 21		92	205	93	240	248	257	263	281
June 04		91	212	102	249	257	265	277	-
June 15		86	222	105	259	268	275	-	-
	Croplan 3514VT3	84	204	90	236	246	255	262	-
	Mycogen F2F665	87	211	99	250	257	264	269	277
	Pioneer 35F48AM1	87	204	88	238	249	258	265	272
March 26	Croplan 3514VT3	73	188	72	218	232	242	246	257
March 26	Mycogen F2F665	75	198	85	232	243	248	254	263
March 26	Pioneer 35F48AM1	80	191	75	223	237	244	250	259
May 08	Croplan 3514VT3	86	198	79	229	241	247	252	259
May 08	Mycogen F2F665	87	205	95	247	251	258	265	274
May 08	Pioneer 35F48AM1	85	197	80	228	242	249	254	268
May 21	Croplan 3514VT3	89	204	90	235	245	251	258	284
May 21	Mycogen F2F665	94	208	101	247	252	262	268	282
May 21	Pioneer 35F48AM1	93	203	88	237	247	258	264	278
June 04	Croplan 3514VT3	91	211	101	247	255	262	274	-
June 04	Mycogen F2F665	89	215	108	251	260	267	278	288
June 04	Pioneer 35F48AM1	94	210	96	250	256	267	279	282
June 15	Croplan 3514VT3	83	219	108	251	260	272	281	-
June 15	Mycogen F2F665	90	228	107	274	282	282	-	-
June 15	Pioneer 35F48AM1	85	219	100	253	263	272	279	-
Mean		86	206	92	241	251	259	264	272

Probability(%)

Date of Planting (D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hybrid (H)	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
D x H	16.6	0.0	45.1	0.0	0.0	29.6	8.2	0.2	

LSD (0.10)

Date of Planting (D)	5	2	6	2	2	5	3	4	
Hybrid (H)	2	1	4	1	2	2	2	3	
D x H	NS	2	NS	4	4	NS	5	6	

Table C-24. Planting Date and Hybrid Influence on Corn Leaf Development.**Arlington, WI - 2012.**

Date of planting	Hybrid	Observation date day of year	Leaf Development			Plant height inches
			Leaf collars no./plant	Hail adjusters method no./plant	Total leaves no./plant	
		151	3	4.9	4.6	6.4
		167	6	10.2	10.4	5.6
		181	8	19.1	19.6	8.0
		195	13	35.2	35.1	12.6
		209	17	55.8	49.1	16.9
		223	17	55.1	55.0	17.1
	Croplan 3514VT3		12	32.2	31.6	11.8
	Mycogen F2F665		11	32.6	32.2	11.7
	Pioneer 35F48AM1		11	35.8	30.6	11.5
	Croplan 3514VT3	151	3	4.7	4.5	6.6
	Croplan 3514VT3	167	6	10.3	10.8	5.7
	Croplan 3514VT3	181	8	20.7	20.5	8.1
	Croplan 3514VT3	195	13	35.5	35.1	12.8
	Croplan 3514VT3	209	17	49.1	49.4	17.0
	Croplan 3514VT3	223	17	53.7	54.1	17.2
	Mycogen F2F665	151	3	4.6	4.4	5.8
	Mycogen F2F665	167	6	9.6	9.9	5.5
	Mycogen F2F665	181	8	18.2	18.2	7.9
	Mycogen F2F665	195	12	33.8	34.8	12.4
	Mycogen F2F665	209	17	50.0	50.5	16.9
	Mycogen F2F665	223	18	58.3	59.0	17.5
	Pioneer 35F48AM1	151	3	5.6	4.8	6.8
	Pioneer 35F48AM1	167	6	10.8	10.7	5.7
	Pioneer 35F48AM1	181	8	18.5	20.1	8.1
	Pioneer 35F48AM1	195	13	36.4	35.5	12.6
	Pioneer 35F48AM1	209	17	68.3	47.4	16.6
	Pioneer 35F48AM1	223	17	53.4	51.9	16.6
March 26			13	32.8	32.8	13.9
May 08			12	32.3	32.5	12.6
May 21			12	34.3	30.0	11.2
June 04			10	37.2	30.7	10.2
June 15			9	31.0	31.1	9.4
March 26		151	4	6.3	7.2	10.8
March 26		167	8	16.7	16.6	7.8
March 26		181	12	30.5	32.6	12.3
March 26		195	17	47.0	45.8	17.3
March 26		209	18	49.2	47.0	17.8
March 26		223	18	47.0	47.5	17.8
May 08		151	3	4.1	4.6	6.2
May 08		167	7	12.4	13.3	6.6
May 08		181	10	27.2	27.3	10.4
May 08		195	15	44.9	45.3	15.0
May 08		209	19	51.5	51.6	18.5
May 08		223	19	52.0	51.3	18.5
May 21		151	1.0	1.0	1.9	2.2
May 21		167	5.5	8.3	8.6	5.8
May 21		181	8.1	19.8	19.9	8.3
May 21		195	13.2	38.5	39.7	13.1
May 21		209	19.1	54.4	54.3	18.8
May 21		223	19.1	56.0	55.7	18.8

continued

Table C-24. Planting Date and Hybrid Influence on Corn Leaf Development.

(continued)

Arlington, WI - 2012.

Date of planting	Hybrid	Observation date	Leaf Development			Plant height
			Leaf collars	Hail adjusters method	Total leaves	
		day of year	no./plant	no./plant	no./plant	inches
June 04		151	-	-	-	-
June 04		167	2.5	3.5	3.1	2.5
June 04		181	6.4	12.1	12.1	6.0
June 04		195	10.0	28.0	27.5	10.2
June 04		209	16.0	82.7	51.0	16.1
June 04		223	16.0	60.0	59.6	16.1
June 15		151	-	-	-	-
June 15		167	6.5	14.0	14.5	5.5
June 15		181	3.4	6.1	6.0	3.2
June 15		195	7.5	17.8	17.4	7.4
June 15		209	12.2	41.2	41.5	13.0
June 15		223	13.9	60.5	60.8	14.2
March 26	Croplan 3514VT3		12.8	32.3	32.8	14.0
March 26	Mycogen F2F665		13.0	33.5	33.2	13.5
March 26	Pioneer 35F48AM1		13.4	32.5	32.4	14.3
May 08	Croplan 3514VT3		12.5	32.5	32.4	12.7
May 08	Mycogen F2F665		12.1	32.4	33.8	12.8
May 08	Pioneer 35F48AM1		12.2	32.0	31.3	12.4
May 21	Croplan 3514VT3		11.4	33.3	29.1	11.0
May 21	Mycogen F2F665		11.8	34.7	31.5	11.5
May 21	Pioneer 35F48AM1		11.5	34.9	29.4	11.1
June 04	Croplan 3514VT3		10.5	30.8	31.4	10.5
June 04	Mycogen F2F665		9.6	30.4	30.5	9.9
June 04	Pioneer 35F48AM1		10.5	50.6	30.2	10.2
June 15	Croplan 3514VT3		9.9	32.2	32.4	9.7
June 15	Mycogen F2F665		9.6	31.4	31.7	9.8
June 15	Pioneer 35F48AM1		8.2	29.6	29.3	8.6
March 26	Croplan 3514VT3	151	4.1	6.1	7.0	11.3
March 26	Croplan 3514VT3	167	7.6	17.4	17.4	8.0
March 26	Croplan 3514VT3	181	12.4	35.5	35.3	12.5
March 26	Croplan 3514VT3	195	17.9	45.4	45.6	17.5
March 26	Croplan 3514VT3	209	17.5	46.3	45.9	17.5
March 26	Croplan 3514VT3	223	17.5	43.3	45.8	17.5
March 26	Mycogen F2F665	151	4.1	6.0	6.9	9.4
March 26	Mycogen F2F665	167	8.4	15.5	15.5	7.4
March 26	Mycogen F2F665	181	11.8	29.6	28.8	11.4
March 26	Mycogen F2F665	195	16.1	47.1	45.4	16.4
March 26	Mycogen F2F665	209	18.8	52.5	50.5	18.1
March 26	Mycogen F2F665	223	18.8	50.5	52.4	18.1
March 26	Pioneer 35F48AM1	151	5.1	6.9	7.8	11.6
March 26	Pioneer 35F48AM1	167	7.9	17.1	17.0	7.9
March 26	Pioneer 35F48AM1	181	12.5	26.3	33.8	13.0
March 26	Pioneer 35F48AM1	195	18.0	48.4	46.4	17.9
March 26	Pioneer 35F48AM1	209	18.5	48.8	44.8	17.8
March 26	Pioneer 35F48AM1	223	18.5	47.4	44.5	17.8
May 08	Croplan 3514VT3	151	3.0	4.1	4.6	6.6
May 08	Croplan 3514VT3	167	6.6	12.0	13.9	6.4
May 08	Croplan 3514VT3	181	10.8	29.1	29.4	10.9
May 08	Croplan 3514VT3	195	16.3	46.6	46.4	15.1

continued

Table C-24. Planting Date and Hybrid Influence on Corn Leaf Development.

(continued)

Arlington, WI - 2012.

Date of planting	Hybrid	Observation date	Leaf Development			Plant height
			Leaf collars	Hail adjusters method	Total leaves	
		day of year	no./plant	no./plant	no./plant	inches
May 08	Croplan 3514VT3	209	19.3	53.6	51.8	18.5
May 08	Croplan 3514VT3	223	19.3	49.4	48.3	18.5
May 08	Mycogen F2F665	151	2.9	4.0	4.4	5.6
May 08	Mycogen F2F665	167	6.3	12.0	13.0	6.8
May 08	Mycogen F2F665	181	9.9	24.6	24.8	10.4
May 08	Mycogen F2F665	195	14.5	41.9	44.1	15.1
May 08	Mycogen F2F665	209	18.8	50.3	54.4	18.8
May 08	Mycogen F2F665	223	18.8	56.6	57.1	18.8
May 08	Pioneer 35F48AM1	151	3.3	4.3	4.8	6.4
May 08	Pioneer 35F48AM1	167	6.6	13.0	13.0	6.6
May 08	Pioneer 35F48AM1	181	10.0	27.9	27.8	10.0
May 08	Pioneer 35F48AM1	195	15.1	46.1	45.3	14.9
May 08	Pioneer 35F48AM1	209	19.0	50.6	48.8	18.3
May 08	Pioneer 35F48AM1	223	19.0	49.9	48.4	18.3
May 21	Croplan 3514VT3	151	1.0	1.0	1.8	2.0
May 21	Croplan 3514VT3	167	5.6	8.3	8.6	5.9
May 21	Croplan 3514VT3	181	7.4	20.0	20.1	7.6
May 21	Croplan 3514VT3	195	12.6	39.5	38.5	13.1
May 21	Croplan 3514VT3	209	18.3	51.9	52.0	18.8
May 21	Croplan 3514VT3	223	18.3	54.9	53.5	18.8
May 21	Mycogen F2F665	151	1.0	1.0	1.9	2.4
May 21	Mycogen F2F665	167	5.1	8.0	8.6	5.6
May 21	Mycogen F2F665	181	8.5	19.4	19.1	8.5
May 21	Mycogen F2F665	195	13.9	36.8	40.5	13.3
May 21	Mycogen F2F665	209	19.8	58.3	58.5	19.5
May 21	Mycogen F2F665	223	19.8	59.8	60.4	19.5
May 21	Pioneer 35F48AM1	151	1.0		2.0	2.3
May 21	Pioneer 35F48AM1	167	5.6	8.5	8.5	6.0
May 21	Pioneer 35F48AM1	181	8.4	19.9	20.5	8.8
May 21	Pioneer 35F48AM1	195	13.0	39.4	40.0	13.0
May 21	Pioneer 35F48AM1	209	19.3	53.0	52.3	18.3
May 21	Pioneer 35F48AM1	223	19.3	53.5	53.3	18.3
June 04	Croplan 3514VT3	151	-	-	-	-
June 04	Croplan 3514VT3	167	2.5	3.5	3.1	2.4
June 04	Croplan 3514VT3	181	6.3	12.6	11.9	6.0
June 04	Croplan 3514VT3	195	9.5	27.4	27.6	10.6
June 04	Croplan 3514VT3	209	17.0	51.5	53.8	16.8
June 04	Croplan 3514VT3	223	17.0	58.9	60.4	16.8
June 04	Mycogen F2F665	151	-	-	-	-
June 04	Mycogen F2F665	167	2.5	3.5	3.1	2.5
June 04	Mycogen F2F665	181	6.3	10.6	11.8	6.0
June 04	Mycogen F2F665	195	10.3	26.0	26.6	10.3
June 04	Mycogen F2F665	209	14.5	48.8	48.6	15.3
June 04	Mycogen F2F665	223	14.5	63.0	62.3	15.3
June 04	Pioneer 35F48AM1	151	-	-	-	-
June 04	Pioneer 35F48AM1	167	2.5	3.6	3.2	2.5
June 04	Pioneer 35F48AM1	181	6.8	13.0	12.8	6.0
June 04	Pioneer 35F48AM1	195	10.3	30.5	28.4	9.8
June 04	Pioneer 35F48AM1	209	16.4	147.8	50.5	16.4
June 04	Pioneer 35F48AM1	223	16.4	58.0	56.3	16.4

continued

Table C-24. Planting Date and Hybrid Influence on Corn Leaf Development.

(continued)

Arlington, WI - 2012.

Date of planting	Hybrid	Observation date day of year	Leaf Development			Plant height inches
			Leaf collars no./plant	Hail adjusters method no./plant	Total leaves no./plant	
June 15	Croplan 3514VT3	151	-	-	-	-
June 15	Croplan 3514VT3	167	-	-	-	-
June 15	Croplan 3514VT3	181	3.5	6.1	5.9	3.4
June 15	Croplan 3514VT3	195	7.9	18.4	17.5	7.6
June 15	Croplan 3514VT3	209	13.6	42.0	43.5	13.6
June 15	Croplan 3514VT3	223	14.5	62.1	62.6	14.3
June 15	Mycogen F2F665	151	-	-	-	-
June 15	Mycogen F2F665	167	-	-	-	-
June 15	Mycogen F2F665	181	3.5	6.6	6.4	3.3
June 15	Mycogen F2F665	195	7.4	17.4	17.4	7.1
June 15	Mycogen F2F665	209	11.6	40.1	40.3	13.0
June 15	Mycogen F2F665	223	15.9	61.5	62.6	16.0
June 15	Pioneer 35F48AM1	151	-	-	-	-
June 15	Pioneer 35F48AM1	167	6.5	14.0	14.5	5.5
June 15	Pioneer 35F48AM1	181	3.1	5.5	5.9	2.9
June 15	Pioneer 35F48AM1	195	7.4	17.5	17.3	7.4
June 15	Pioneer 35F48AM1	209	11.4	41.5	40.6	12.4
June 15	Pioneer 35F48AM1	223	11.4	58.0	57.3	12.4
Mean			11.4	33.5	31.5	11.7
Probability(%)						
Date of Planting (D)			0.0	27.6	0.0	0.0
Hybrid (H)			40.6	49.9	0.4	18.9
D x H			0.0	34.9	3.0	0.0
Sample DOY (S)			0.0	0.0	0.0	0.0
D x S			0.0	0.3	0.0	0.0
H x S			48.9	57.7	0.0	5.8
D x H x S			0.0	52.2	0.5	11.5
LSD(0.10)						
Date of Planting (D)			0.4	NS	1.6	0.5
Hybrid (H)			NS	NS	0.5	NS
D x H			0.4	NS	1.1	0.4
Sample DOY (S)			0.3	6.9	0.7	0.3
D x S			0.6	15.4	1.6	0.6
H x S			NS	NS	1.3	0.5
D x H x S			1.1	NS	2.8	1.1