

FIELD EXPERIMENT HISTORY

Title: Date of Planting and Hybrid Influence on Corn Forage and Corn Grain Yield
Experiment: 03 DOP **Trial ID** 2593 **Year:** 2004
Personnel: J.G. Lauer, P. J. Flannery, and K. D. Kohn
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 /04 **pH:** 6.1 **OM (%)** 2.8 **P (ppm)** 60 **K (ppm)** 197

Plot Management

Tillage Operations: Fall Chisel Plow Field Cultivator Soil Finisher prior to each DOP

		<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Fertilizer:	Preplant :	46-0-0	325	4 /12/04
	Starter :	6-24-24	150	Each DOP
	Post plant :	N/A	N/A	N/A
	Manure:	N/A	N/A	N/A

Herbicide: Harness 2.5 pt/A **Insecticide:** None
 Hornet 3.0 oz/A **Hybrid:** See Factors

Irrigation: none

Planting Date: See Factors **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 30000 plants per acre **Planting Method:** Kinze Plot Planter

Harvest Date: S: 9/20, 10/4 & 10/7 **Harvest Method:** S:NH Plot Chopper
 G: 11/1 G:Kincaid Plot Combine

Experimental Design

Design: RCB split plot

Replications: 3

Plot Size Seeded 25' x 20'

Experiment Size: 0.69 A

Harvest Plot Size: S: 22' x 2.5'
 G: 22 'x 5'

Harvest Plant Density: S:30228 plants per acre
 G:28556

Factors/Treatments:

Date of Planting:

April 12, April 30,
 May 12, May 20,
 June 01 & June 15

Hybrids:

AgriGold A6333Bt
 NK Brand N32L9

Results: Tables C-55 and C-56.

**Table C-55. Planting Date And Hybrid Influence On Corn Grain And Silage Performance
Arlington, WI - 2004.**

Planting Date	Hybrid	Grain														
		Yield		Test		Grower	Harvest	Harvest	Seeds	Plants	Silking	Early	Kernel Milk			Black
		bu/A	%	lbs/bu	Lodged	return	pop	ear pop	planted	emerged	Date	dent	75%	50%	25%	layer
														-----doy-----		
	AgriGold A6333Bt	164	34.5	46	4	261	28798	29568	41184	38126	220	263	267	271	278	283
	NK Brand N32L9	146	26.5	49	21	251	28314	29502	41184	36438	215	257	264	270	277	277
April 12		198	20.9	52	16	346	29172	30294	41184	34964	205	246	254	259	267	274
April 30		211	20.6	52	18	370	28182	29238	41184	39171	206	249	256	261	268	275
May 12		182	25.3	50	14	302	28842	29964	41184	37604	214	254	261	268	278	281
May 20		166	28.8	48	11	266	27654	28644	41184	33033	219	260	268	275	281	284
June 01		145	32.4	45	15	220	28974	30558	41184	40409	224	265	274	279	283	286
June 15		29	55.1	39	3	32	28512	28512	41184	38511	238	284	288	292	297	
April 12	AgriGold A6333Bt	219	23.7	50	4	371	29568	30360	41184	37026	208	249	257	262	271	278
April 12	NK Brand N32L9	177	18.0	54	28	320	28776	30228	41184	32901	202	243	250	256	264	270
April 30	AgriGold A6333Bt	234	23.6	51	4	397	29304	30360	41184	39897	209	254	260	265	273	278
April 30	NK Brand N32L9	189	17.5	54	33	343	27060	28116	41184	38445	203	244	252	256	263	271
May 12	AgriGold A6333Bt	192	28.8	48	4	307	29436	30492	41184	38280	215	255	262	269	280	283
May 12	NK Brand N32L9	172	21.7	51	25	298	28248	29436	41184	36927	212	253	260	267	275	279
May 20	AgriGold A6333Bt	173	33.2	47	3	262	27588	28248	41184	34254	221	263	271	277	282	286
May 20	NK Brand N32L9	160	24.5	48	19	270	27720	29040	41184	31812	217	257	265	273	280	282
June 01	AgriGold A6333Bt	147	36.6	45	8	212	28116	29172	41184	40293	227	269	275	280	284	288
June 01	NK Brand N32L9	142	28.2	45	22	228	29832	31944	41184	40524	221	261	272	277	281	283
June 15	AgriGold A6333Bt	19	60.9	36	4	18	28776	28776	41184	39006	240	286	290	-	-	-
June 15	NK Brand N32L9	39	49.3	41	2	46	28248	28248	41184	38016	237	282	288	292	297	-
Mean		155	30.5	48	13	256	28556	29535	41184	37282	218	260	265	271	277	280
Probability(%)																
Date of Planting (D)		0.0	0.0	0.0	0.4	0.0	70.2	36.1	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hybrid (H)		0.0	0.0	0.0	0.0	3.3	30.0	89.1	-	0.1	0.0	0.0	0.0	0.0	0.1	0.0
D x H		0.0	2.2	1.9	0.1	0.0	26.4	12.3	-	11.9	6.6	0.5	7.9	7.6	31.7	59.3
LSD (0.10)																
Date of Planting (D)		16	2.1	2	5	31	NS	NS	-	1759	2	2	2	2	2	3
Hybrid (H)		4	0.8	1	3	8	NS	NS	-	3045	1	1	1	1	2	1
D x H		11	1.9	1	7	19	NS	NS	-	NS	2	2	3	3	NS	NS
CV(%)																
		5	4	2	35	5	5	5	-	3	0	1	1	1	1	1

continued

Table C-55. Planting Date And Hybrid Influence On Corn Grain And Silage Performance

(continued) **Arlington, WI - 2004.**

Planting Date	Hybrid	Whole Plant												
		Dry Matter		Kernel	Harvest		Crude	<i>In Vitro</i>					Milk per	
		yield	Moisture	milk	plants	ears	protien	ADF	NDF	Digest	NDFD	Starch	Ton	Acre
tons/A	%	%	plants/A	ears/A	%	%	%	%	%	%	lbs/T	lbs/A		
	AgriGold A6333Bt	8.1	65.1	67.2	30228	30800	7.7	23.8	48.5	80.8	60.4	28.9	3429	27819
	NK Brand N32L9	7.7	56.1	47.2	30228	36652	7.6	21.3	44.5	82.6	60.8	35.0	3414	26356
April 12		9.0	57.5	50.8	29568	36300	7.5	20.3	42.7	83.1	60.5	37.8	3476	31359
April 30		9.4	61.3	45.8	31416	36300	7.3	22.6	45.6	81.3	59.0	34.9	3379	31605
May 12		8.5	53.5	30.8	30228	32076	7.0	21.0	44.4	82.2	59.9	35.0	3359	28388
May 20		7.9	58.5	55.8	29568	33792	7.4	21.2	44.5	82.4	60.6	34.5	3461	27455
June 01		7.7	63.0	62.5	30756	33132	7.7	22.3	46.1	82.1	61.2	31.9	3521	27005
June 15		5.2	69.7	97.5	29832	30756	9.0	27.7	55.2	79.2	62.4	18.6	3326	17346
April 12	AgriGold A6333Bt	9.9	63.6	58.3	30624	31680	7.6	21.7	44.4	82.2	59.8	35.0	3549	35080
April 12	NK Brand N32L9	8.1	51.3	43.3	28512	40920	7.3	19.0	40.9	84.1	61.1	40.5	3404	27638
April 30	AgriGold A6333Bt	9.6	66.3	58.3	30888	31416	7.6	24.4	48.5	80.1	58.9	31.4	3396	32818
April 30	NK Brand N32L9	9.1	56.2	33.3	31944	41184	7.1	21.4	43.7	82.1	59.1	37.2	3368	30796
May 12	AgriGold A6333Bt	8.4	58.0	43.3	30360	30624	6.8	22.1	46.3	81.5	60.1	32.6	3397	28528
May 12	NK Brand N32L9	8.5	48.9	18.3	30096	33528	7.1	19.8	42.6	82.8	59.7	37.5	3321	28247
May 20	AgriGold A6333Bt	8.0	63.4	68.3	29832	30888	7.4	21.4	44.8	82.2	60.4	34.2	3556	28547
May 20	NK Brand N32L9	7.9	53.6	43.3	29304	36696	7.3	21.0	44.3	82.6	60.8	34.9	3367	26364
June 01	AgriGold A6333Bt	7.9	66.2	75.0	30360	30360	7.8	23.0	47.3	81.5	60.9	29.9	3511	27729
June 01	NK Brand N32L9	7.4	59.9	50.0	31152	35904	7.5	21.6	44.8	82.7	61.5	34.0	3531	26282
June 15	AgriGold A6333Bt	5.0	72.8	100.0	29304	29832	9.0	30.3	59.7	77.3	62.0	11.2	3155	15880
June 15	NK Brand N32L9	5.4	66.6	95.0	30360	31680	8.9	25.1	50.7	81.1	62.8	26.0	3496	18811
Mean		7.9	60.6	57.2	30228	33726	7.6	22.5	46.4	81.7	60.6	32.0	3421	27067
Probability(%)														
Date of Planting (D)		0.0	0.0	0.0	16.2	0.2	0.0	0.0	0.0	0.1	9.8	0.0	0.4	0.0
Hybrid (H)		2.9	0.0	0.0	100	0.0	10.2	0.0	0.0	0.1	60.3	0.0	61.8	0.5
D x H		3.2	9.6	31.7	23.6	0.6	38.1	1.0	1.3	22.7	97.9	0.9	0.9	0.4
LSD (0.10)														
Date of Planting (D)		1	4	12.0	NS	1978	0.3	1.6	2.6	1.1	1.6	2.8	71	2259
Hybrid (H)		0	1	5.3	NS	976	NS	0.5	0.9	0.7	NS	1.5	NS	963
D x H		1	3	NS	NS	2391	NS	1.3	2.3	NS	NS	3.7	145	2359
CV(%)														
		6	3	16	4	5	4	4	3	1	3	8	3	6

**Table C-55b. Planting Date And Hybrid Influence On Corn Grain Quality.
Arlington, WI - 2004.**

Planting Date	Hybrid	Grain Composition			Ethanol	
		Oil %	Starch %	Protein %	per bu gallons	per A gallons
	AgriGold A6333Bt	3.4	61.1	7.8	2.82	468
	NK Brand N32L9	3.6	60.8	8.0	2.83	417
April 12		3.6	60.9	7.3	2.88	569
April 30		3.6	60.7	7.3	2.87	606
May 12		3.6	60.9	7.3	2.86	521
May 20		3.5	60.9	7.6	2.84	472
June 01		3.4	61.2	7.7	2.83	409
June 15		3.1	61.2	9.9	2.67	78
April 12	AgriGold A6333Bt	3.4	61.2	7.0	2.88	631
April 12	NK Brand N32L9	3.8	60.5	7.7	2.87	507
April 30	AgriGold A6333Bt	3.6	60.9	7.0	2.87	672
April 30	NK Brand N32L9	3.7	60.5	7.8	2.87	541
May 12	AgriGold A6333Bt	3.5	61.2	6.9	2.87	553
May 12	NK Brand N32L9	3.7	60.7	7.6	2.85	490
May 20	AgriGold A6333Bt	3.3	61.3	7.3	2.84	492
May 20	NK Brand N32L9	3.6	60.6	7.9	2.84	453
June 01	AgriGold A6333Bt	3.3	61.4	7.5	2.80	413
June 01	NK Brand N32L9	3.4	60.9	7.9	2.85	406
June 15	AgriGold A6333Bt	3.1	60.8	11.1	2.63	50
June 15	NK Brand N32L9	3.1	61.7	8.7	2.71	106
Mean		3.5	61.0	7.9	2.82	443
Probability(%)						
Date of Planting (D)		0.0	50.2	0.0	0.0	0.0
Hybrid (H)		0.1	1.8	23.1	0.9	0.0
D x H		14.9	0.5	0.0	0.0	0.0
LSD (0.10)						
Date of Planting (D)		0.1	NS	0.3	0.02	48
Hybrid (H)		0.1	0.1	NS	0.01	13
D x H		NS	0.4	0.2	0.02	33
CV(%)						
		2	0	2	0	5

**Table C-56. Planting Date And Hybrid Influence On Corn Leaf Development
Arlington, WI - 2004.**

Date of Planting	Hybrid	Observation	Leaf Development			Plant height inches
		Day of year day of year	Leaf collars no./plant	Hail adjusters method no./plant	Total leaves no./plant	
		147	2.3	3.0	4.0	3.7
		161	3.3	4.6	5.6	7.6
		174	5.0	6.5	7.9	16.7
		190	7.6	10.4	11.6	31.3
		202	11.9	13.2	15.1	64.4
		218	16.6	17.1	17.4	90.8
		232	17.7	17.8	18.2	98.2
		247	18.4	18.3	18.4	100.1
	AgriGold A6333Bt		11.5	12.5	13.5	59.9
	NK Brand N32L9		11.7	12.7	13.6	58.6
	AgriGold A6333Bt	147	2.3	3.1	4.1	3.8
	AgriGold A6333Bt	161	3.3	4.6	5.6	8.1
	AgriGold A6333Bt	174	5.1	6.4	8.1	18.4
	AgriGold A6333Bt	190	7.4	10.2	11.3	33.5
	AgriGold A6333Bt	202	11.6	13.0	14.9	65.6
	AgriGold A6333Bt	218	16.4	16.9	17.4	90.8
	AgriGold A6333Bt	232	17.6	17.8	18.1	97.5
	AgriGold A6333Bt	247	18.4	18.4	18.4	100.2
	NK Brand N32L9	147	2.2	3.0	4.0	3.5
	NK Brand N32L9	161	3.4	4.6	5.7	7.0
	NK Brand N32L9	174	4.8	6.6	7.7	15.0
	NK Brand N32L9	190	7.9	10.6	11.9	29.1
	NK Brand N32L9	202	12.1	13.3	15.4	63.2
	NK Brand N32L9	218	16.7	17.3	17.5	90.8
	NK Brand N32L9	232	17.8	17.7	18.2	99.0
	NK Brand N32L9	247	18.3	18.3	18.3	99.9
April 12			11.5	12.3	13.2	57.4
April 30			11.8	12.7	13.6	63.2
May 12			12.5	13.5	14.5	63.6
May 20			11.5	12.6	13.4	58.1
June 01			11.8	12.8	13.7	62.6
June 15			10.1	11.5	12.5	47.5
April 12		147	2.5	3.4	4.4	4.1
April 12		161	4.3	5.7	6.8	9.9
April 12		174	5.8	7.2	9.2	23.8
April 12		190	10.1	13.1	14.5	45.7
April 12		202	15.7	15.5	17.3	86.0
April 12		218	18.0	18.0	18.0	96.4
April 12		232	17.9	17.9	17.9	96.8
April 12		247	17.9	17.9	17.9	96.6

continued

Table C-56. Planting Date And Hybrid Influence On Corn Leaf Development
 (continued) **Arlington, WI - 2004.**

Date of Planting	Hybrid	Observation	Leaf Development			Plant height inches
		Day of year day of year	Leaf collars no./plant	Hail adjusters method no./plant	Total leaves no./plant	
April 30		147	2.0	2.7	3.7	3.3
April 30		161	4.1	5.8	6.8	10.4
April 30		174	6.3	8.0	9.8	24.9
April 30		190	10.3	13.8	15.0	53.3
April 30		202	15.8	15.4	17.7	94.7
April 30		218	18.6	18.6	18.4	105.6
April 30		232	18.6	18.6	18.6	106.7
April 30		247	18.6	18.6	18.6	106.4
May 12		147	-	-	-	-
May 12		161	3.0	4.0	5.2	6.6
May 12		174	5.4	7.2	8.7	17.6
May 12		190	9.0	12.1	13.4	36.9
May 12		202	13.4	14.9	17.2	74.9
May 12		218	18.9	18.9	18.9	103.9
May 12		232	18.9	18.8	18.9	102.9
May 12		247	18.9	18.8	18.9	102.3
May 20		147	-	-	-	-
May 20		161	1.9	2.9	3.8	3.2
May 20		174	4.3	5.9	6.9	10.3
May 20		190	7.3	10.1	11.4	25.3
May 20		202	11.3	13.8	15.8	60.8
May 20		218	18.2	18.2	18.5	99.2
May 20		232	18.8	18.7	18.8	105.5
May 20		247	18.8	18.7	18.8	102.6
June 01		147	-	-	-	-
June 01		161	-	-	-	-
June 01		174	3.1	4.1	4.9	6.8
June 01		190	6.1	8.7	9.7	20.3
June 01		202	9.4	11.7	14.0	51.9
June 01		218	15.8	16.3	17.3	93.2
June 01		232	18.1	17.9	18.1	102.8
June 01		247	18.1	17.9	18.1	100.8
June 15		147	-	-	-	-
June 15		161	-	-	-	-
June 15		174	-	-	-	-
June 15		190	3.1	4.6	5.6	6.5
June 15		202	5.7	7.8	8.8	18.1
June 15		218	10.0	12.6	13.6	46.5
June 15		232	13.8	14.7	16.7	74.6
June 15		247	18.0	18.0	18.0	91.8
April 12	AgriGold A6333Bt		11.4	12.2	13.1	59.7
April 12	NK Brand N32L9		11.6	12.5	13.4	55.1
April 30	AgriGold A6333Bt		12.0	12.9	13.8	63.2
April 30	NK Brand N32L9		11.6	12.4	13.3	63.1

continued

Table C-56. Planting Date And Hybrid Influence On Corn Leaf Development
(continued) **Arlington, WI - 2004.**

Date of Planting	Hybrid	Observation	Leaf Development			Plant height inches
		Day of year day of year	Leaf collars no./plant	Hail adjusters method no./plant	Total leaves no./plant	
May 12	AgriGold A6333Bt		12.3	13.5	14.3	63.5
May 12	NK Brand N32L9		12.7	13.6	14.6	63.7
May 20	AgriGold A6333Bt		11.3	12.5	13.2	58.4
May 20	NK Brand N32L9		11.6	12.7	13.6	57.8
June 01	AgriGold A6333Bt		11.8	12.7	13.7	63.9
June 01	NK Brand N32L9		11.8	12.8	13.6	61.4
June 15	AgriGold A6333Bt		9.8	11.2	12.3	47.6
June 15	NK Brand N32L9		10.4	11.8	12.8	47.4
April 12	AgriGold A6333Bt	147	2.7	3.5	4.5	4.5
April 12	AgriGold A6333Bt	161	4.2	5.7	6.8	11.2
April 12	AgriGold A6333Bt	174	6.0	6.7	9.5	27.3
April 12	AgriGold A6333Bt	190	9.7	12.7	13.8	48.7
April 12	AgriGold A6333Bt	202	15.2	15.2	16.7	87.3
April 12	AgriGold A6333Bt	218	18.0	18.0	18.0	99.7
April 12	AgriGold A6333Bt	232	17.8	17.8	17.8	99.2
April 12	AgriGold A6333Bt	247	17.8	17.8	17.8	99.8
April 12	NK Brand N32L9	147	2.3	3.3	4.3	3.7
April 12	NK Brand N32L9	161	4.5	5.7	6.7	8.7
April 12	NK Brand N32L9	174	5.5	7.7	8.8	20.3
April 12	NK Brand N32L9	190	10.5	13.5	15.2	42.7
April 12	NK Brand N32L9	202	16.2	15.8	17.8	84.7
April 12	NK Brand N32L9	218	18.0	18.0	18.0	93.2
April 12	NK Brand N32L9	232	18.0	18.0	18.0	94.5
April 12	NK Brand N32L9	247	18.0	18.0	18.0	93.3
April 30	AgriGold A6333Bt	147	2.0	2.7	3.7	3.2
April 30	AgriGold A6333Bt	161	4.0	5.8	7.0	10.8
April 30	AgriGold A6333Bt	174	6.7	8.3	10.2	26.6
April 30	AgriGold A6333Bt	190	10.3	14.0	15.0	56.2
April 30	AgriGold A6333Bt	202	15.7	15.5	17.5	93.2
April 30	AgriGold A6333Bt	218	19.0	19.0	19.0	104.7
April 30	AgriGold A6333Bt	232	19.0	19.0	19.0	105.7
April 30	AgriGold A6333Bt	247	19.0	19.0	19.0	105.5
April 30	NK Brand N32L9	147	2.0	2.7	3.7	3.3
April 30	NK Brand N32L9	161	4.2	5.7	6.7	10.0
April 30	NK Brand N32L9	174	6.0	7.7	9.3	23.3
April 30	NK Brand N32L9	190	10.3	13.7	15.0	50.5
April 30	NK Brand N32L9	202	15.8	15.3	17.8	96.2
April 30	NK Brand N32L9	218	18.2	18.2	17.8	106.5
April 30	NK Brand N32L9	232	18.2	18.2	18.2	107.7
April 30	NK Brand N32L9	247	18.2	18.2	18.2	107.3

continued

Table C-56. Planting Date And Hybrid Influence On Corn Leaf Development
(continued) **Arlington, WI - 2004.**

Date of Planting	Hybrid	Observation	Leaf Development			Plant height inches
		Day of year	Leaf collars	Hail adjusters method	Total leaves	
		day of year	no./plant	no./plant	no./plant	
May 12	AgriGold A6333Bt	147	-	-	-	-
May 12	AgriGold A6333Bt	161	3.0	4.0	5.0	6.9
May 12	AgriGold A6333Bt	174	5.5	7.0	8.7	19.1
May 12	AgriGold A6333Bt	190	8.7	11.8	13.0	39.5
May 12	AgriGold A6333Bt	202	12.7	14.8	16.8	74.3
May 12	AgriGold A6333Bt	218	18.8	18.8	18.8	101.2
May 12	AgriGold A6333Bt	232	18.8	18.8	18.8	101.8
May 12	AgriGold A6333Bt	247	18.8	18.8	18.8	101.8
May 12	NK Brand N32L9	147	-	-	-	-
May 12	NK Brand N32L9	161	3.0	4.0	5.3	6.4
May 12	NK Brand N32L9	174	5.3	7.3	8.7	16.1
May 12	NK Brand N32L9	190	9.3	12.3	13.8	34.3
May 12	NK Brand N32L9	202	14.2	15.0	17.5	75.5
May 12	NK Brand N32L9	218	19.0	19.0	19.0	106.7
May 12	NK Brand N32L9	232	19.0	18.8	19.0	104.0
May 12	NK Brand N32L9	247	19.0	18.8	19.0	102.8
May 20	AgriGold A6333Bt	147	-	-	-	-
May 20	AgriGold A6333Bt	161	1.8	2.8	3.7	3.6
May 20	AgriGold A6333Bt	174	4.3	5.8	7.0	10.9
May 20	AgriGold A6333Bt	190	7.0	10.0	11.0	27.2
May 20	AgriGold A6333Bt	202	11.0	13.7	15.5	62.8
May 20	AgriGold A6333Bt	218	17.7	17.7	18.2	98.3
May 20	AgriGold A6333Bt	232	18.7	18.7	18.7	104.5
May 20	AgriGold A6333Bt	247	18.7	18.7	18.7	101.5
May 20	NK Brand N32L9	147	-	-	-	-
May 20	NK Brand N32L9	161	2.0	3.0	4.0	2.9
May 20	NK Brand N32L9	174	4.2	6.0	6.8	9.7
May 20	NK Brand N32L9	190	7.5	10.2	11.8	23.3
May 20	NK Brand N32L9	202	11.5	13.8	16.2	58.7
May 20	NK Brand N32L9	218	18.7	18.7	18.8	100.0
May 20	NK Brand N32L9	232	18.8	18.7	18.8	106.5
May 20	NK Brand N32L9	247	18.8	18.7	18.8	103.7
June 01	AgriGold A6333Bt	147	-	-	-	-
June 01	AgriGold A6333Bt	161	-	-	-	-
June 01	AgriGold A6333Bt	174	3.2	4.0	5.0	8.1
June 01	AgriGold A6333Bt	190	6.0	8.7	9.7	22.8
June 01	AgriGold A6333Bt	202	9.5	11.3	14.0	57.2
June 01	AgriGold A6333Bt	218	15.5	16.2	17.2	94.3
June 01	AgriGold A6333Bt	232	18.2	18.0	18.2	101.3
June 01	AgriGold A6333Bt	247	18.2	18.0	18.2	99.5

continued

Table C-56. Planting Date And Hybrid Influence On Corn Leaf Development
(continued) **Arlington, WI - 2004.**

Date of Planting	Hybrid	Observation	Leaf Development			Plant height inches
		Day of year day of year	Leaf collars no./plant	Hail adjusters method no./plant	Total leaves no./plant	
June 01	NK Brand N32L9	147	-	-	-	-
June 01	NK Brand N32L9	161	-	-	-	-
June 01	NK Brand N32L9	174	3.0	4.2	4.8	5.4
June 01	NK Brand N32L9	190	6.2	8.7	9.7	17.8
June 01	NK Brand N32L9	202	9.3	12.0	14.0	46.7
June 01	NK Brand N32L9	218	16.0	16.5	17.3	92.0
June 01	NK Brand N32L9	232	18.0	17.8	18.0	104.3
June 01	NK Brand N32L9	247	18.0	17.8	18.0	102.0
June 15	AgriGold A6333Bt	147	-	-	-	-
June 15	AgriGold A6333Bt	161	-	-	-	-
June 15	AgriGold A6333Bt	174	-	-	-	-
June 15	AgriGold A6333Bt	190	2.8	4.2	5.3	6.8
June 15	AgriGold A6333Bt	202	5.5	7.5	8.7	18.7
June 15	AgriGold A6333Bt	218	9.7	12.0	13.0	46.8
June 15	AgriGold A6333Bt	232	13.2	14.5	16.3	72.3
June 15	AgriGold A6333Bt	247	18.0	18.0	18.0	93.2
June 15	NK Brand N32L9	147	-	-	-	-
June 15	NK Brand N32L9	161	-	-	-	-
June 15	NK Brand N32L9	174	-	-	-	-
June 15	NK Brand N32L9	190	3.3	5.0	5.8	6.2
June 15	NK Brand N32L9	202	5.8	8.0	9.0	17.5
June 15	NK Brand N32L9	218	10.3	13.2	14.2	46.2
June 15	NK Brand N32L9	232	14.5	14.8	17.0	76.8
June 15	NK Brand N32L9	247	18.0	18.0	18.0	90.3
Mean			11.6	12.6	13.5	59.3
Probability(%)						
Date of Planting (D)			0.0	0.0	0.0	0.0
Hybrid (H)			4.2	6.2	10.1	0.6
D x H			2.5	0.6	1.1	0.3
Sample DOY (S)			0.0	0.0	0.0	0.0
D x S			0.0	0.0	0.0	0.0
H x S			11.7	54.6	8.8	0.5
D x H x S			81.9	99.4	97.6	33.9
LSD(0.10)						
Date of Planting (D)			0.4	0.3	0.4	4.1
Hybrid (H)			0.1	0.1	NS	0.6
D x H			0.3	0.3	0.3	1.6
Sample DOY (S)			0.2	0.2	0.3	1.3
D x S			0.8	0.8	0.9	4.4
H x S			0.3	0.3	0.4	1.8
D x H x S			NS	NS	NS	NS
CV(%)						
			5	5	5	6