FIELD EXPERIMENT HISTORY

Title: **Date of Planting and Hybrid Influence on Corn Forage and Corn Grain Yield**

Experiment: 03DOP **Trial ID:** 6261 **Year:** 2018

Personnel: Joe Lauer, Kent Kohn, Thierno Diallo

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

Supported By: HATCH

Site Information

Field: ARS392 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam

Soil Test: **Date:** 11/1 /18 **pH** 6.6 **OM (%)** 2.8 **P (ppm)** 23 **K (ppm)** 89

Plot Management

Tillage Operations: Disk Chisel Field Cultivator

		Analysis:	Rate lbs/A:	Date:
Fertilizer:	**Preplant :**	46-0-0	325 lbs/A	N/A
	Starter :	N/A	N/A	N/A
	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: None

Hybrid: Factor

Irrigation: None

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

Target Plant Density: 34000 **plants per acre** **Planting Method:** JD1700 w RTK

Harvest Date: S: See Factors
G:10/23/18

Harvest Method: S: New Holland 707
G: Massey Ferguson 8XP

Notes:

Experimental Design

Design: RCB split-plot (2 x 3

Replications: 3

Plot Size Seeded: 10' x 30'

Experiment Size: 1.3A

Harvest Plot Size: S: 30' x 2.5'
G: 30' x 5'

Harvest Plant Density: 32554 **plants per acre**

Factors/Treatments:

Planting Date:
1) April 24
2) May 07
3) May 16
4) June 01
5) June 14

Hybrid:
1) Pioneer P9998AMXT
2) DeKalb DKC58-06RIB

Harvest Date:
1) September 04
2) September 24

Results: Tables 1803-01, 1803-02 & 1803-03.

Table: 1803-01. Planting Date Influence on Corn Grain Performance.

Arlington, WI - 2018.

		Grain													
Planting		Harvest			Test	Lodged			AGI	Silking	Early	Kernel Milk			Black
date	Hybrid	population	Yield	Moisture	weight	Total	Stalk	Root	$3.40	date	dent	75%	50%	25%	layer
		plants/A	bu/A	%	lbs/bu	%	%	%	$/A	doy	doy	doy	doy	doy	doy
	DKC58-06RIB	32931	227	28.7	54	36	35	1	664	205	243	251	259	267	277
	P9998AMXT	32176	211	24.1	54	27	22	5	639	204	241	247	256	265	274
April 24		33348	259	20.2	57	13	12	1	797	192	230	235	240	251	260
May 07		33154	256	22.0	56	11	10	1	777	196	235	242	251	258	268
May 16		32331	238	24.6	54	36	34	1	710	198	240	246	257	263	275
June 01		32912	201	29.1	52	38	35	3	581	214	247	254	262	273	282
June 14		31024	142	36.1	51	61	52	9	391	224	258	269	278	286	291
April 24	DKC58-06RIB	33783	258	21.7	57	16	16	0	786	192	230	235	240	251	260
May 07	DKC58-06RIB	34074	271	24.0	55	12	12	0	812	197	236	245	253	260	274
May 16	DKC58-06RIB	32138	240	28.2	53	45	45	1	700	198	240	246	256	263	275
June 01	DKC58-06RIB	33396	209	31.0	53	55	55	0	598	214	249	256	265	276	283
June 14	DKC58-06RIB	31266	157	38.4	52	52	50	3	424	224	260	273	280	287	291
April 24	P9998AMXT	32912	260	18.6	58	10	8	2	809	192	230	235	240	251	260
May 07	P9998AMXT	32234	241	20.0	56	10	8	2	742	195	234	239	248	255	262
May 16	P9998AMXT	32525	235	20.9	56	26	24	2	721	197	239	245	257	263	274
June 01	P9998AMXT	32428	192	27.1	52	21	15	5	565	213	245	252	259	270	282
June 14	P9998AMXT	30782	128	33.8	50	70	55	15	358	224	256	265	275	284	291
Mean		32554	219	26.4	54	32	29	3	651	205	242	249	257	266	275
Probability(%)															
Hybrid(H)		52.4	11.6	3.3	36.7	41.1	21.0	15.0	30.3	13.3	32.0	17.5	12.6	23.3	14.3
PlantDate(P)		30.6	0.0	0.0	0.0	1.0	1.1	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HxP		90.8	35.5	13.2	6.2	40.6	38.6	40.4	33.9	50.3	94.3	62.5	24.2	61.1	1.9
LSD (0.10)															
Hybrid(H)		NS	NS	2.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PlantDate(P)		NS	16	1.4	2	24	21	NS	50	1	5	5	3	4	3
HxP		NS	NS	NS	2	NS	NS	NS	NS	NS	NS	NS	NS	NS	5

Table: 1803-02. Planting Date and Harvest Timing Influence on Corn Silage Performance.

Arlington, WI - 2018.

					Whole Plant														
	Planting	Harvest	Density		Dry Matter		Plant	Kernel	KMR	SMR	VMR	Crude			*In Vitro*			Milk per	
Hybrid	date	date	plant	ears	yield	Moisture	height	milk	0-5	0-5	0-10	protein	ADF	NDF	Digest	NDFD	Starch	Ton	Acre
			plants/A	ears/A	tons/A	%	inches	%				%	%	%	%	%	%	lbs/T	lbs/A
DKC58-06RIB			36823	37113	9.9	63.5	105	55	2.8	2.4	5.2	6.8	19.3	37.1	85.1	59.8	30.1	3062	30773
P9998AMXT			35332	35564	9.0	61.7	104	48	2.4	2.1	4.5	7.0	18.7	36.2	86.5	62.7	31.5	3189	29127
	April 24		35671	35913	10.9	52.7	99	20	1.0	0.9	1.9	6.4	15.7	31.8	87.3	60.0	38.1	3310	35960
	May 07		35913	36445	10.8	57.7	101	33	1.6	1.6	3.2	6.6	16.5	33.0	87.1	60.8	36.2	3284	35354
	May 16		36300	36736	10.1	61.5	104	43	2.1	1.6	3.8	6.6	17.9	35.2	86.3	61.2	33.4	3200	32292
	June 01		36542	36639	9.2	68.0	107	74	3.7	3.3	7.0	7.2	21.1	39.6	84.9	61.9	26.6	3059	28219
	June 14		35961	35961	6.4	73.2	113	89	4.5	3.8	8.3	7.5	23.8	43.4	83.5	62.1	19.7	2773	17924
		Sept 04	36436	36726	9.0	70.9	105	74	3.7	2.9	6.6	7.3	21.3	40.0	84.9	62.5	25.5	3047	28145
		Sept 24	35719	35952	9.9	54.3	104	30	1.5	1.6	3.0	6.4	16.7	33.3	86.7	60.0	36.1	3204	31755
DKC58-06RIB	April 24		35913	36010	11.6	53.9	99	22	1.1	1.2	2.2	6.3	15.4	31.6	87.1	59.1	37.9	3265	37770
DKC58-06RIB	May 07		37462	38042	11.1	59.0	101	37	1.8	1.8	3.6	6.4	16.7	33.5	86.4	59.2	35.5	3210	35639
DKC58-06RIB	May 16		37752	38526	10.4	62.8	106	48	2.4	1.8	4.2	6.3	18.2	35.7	85.4	59.2	32.8	3141	32743
DKC58-06RIB	June 01		36784	36784	9.4	68.8	108	79	3.9	3.3	7.3	7.2	21.9	40.8	83.9	60.4	25.1	2980	28358
DKC58-06RIB	June 14		36203	36203	7.0	73.1	113	91	4.5	3.9	8.5	7.5	24.1	43.8	82.8	60.9	19.1	2715	19354
P9998AMXT	April 24		35429	35816	10.2	51.4	99	18	0.9	0.7	1.6	6.5	16.0	32.1	87.5	60.9	38.3	3356	34149
P9998AMXT	May 07		34364	34848	10.5	56.4	100	28	1.4	1.5	2.9	6.8	16.4	32.6	87.8	62.5	36.9	3359	35068
P9998AMXT	May 16		34848	34945	9.8	60.1	102	38	1.9	1.4	3.3	6.8	17.5	34.7	87.3	63.3	34.0	3260	31842
P9998AMXT	June 01		36300	36494	8.9	67.1	106	70	3.5	3.2	6.7	7.2	20.2	38.5	85.9	63.4	28.1	3138	28080
P9998AMXT	June 14		35719	35719	5.8	73.3	112	88	4.4	3.7	8.1	7.6	23.5	43.1	84.1	63.4	20.2	2831	16494
DKC58-06RIB		Sept 04	37404	37791	9.4	71.0	106	77	3.8	3.1	6.9	7.2	21.8	40.8	84.0	61.0	24.4	2958	28523
DKC58-06RIB		Sept 24	36242	36436	10.4	56.0	105	34	1.7	1.7	3.4	6.3	16.7	33.4	86.2	58.5	35.7	3166	33023
P9998AMXT		Sept 04	35468	35661	8.6	70.8	104	71	3.5	2.8	6.3	7.4	20.7	39.2	85.8	63.9	26.6	3135	27767
P9998AMXT		Sept 24	35196	35468	9.4	52.5	104	26	1.3	1.4	2.7	6.6	16.7	33.2	87.2	61.4	36.4	3243	30487
	April 24	Sept 04	37074	37462	10.8	63.4	99	40	2.0	1.7	3.7	6.6	16.6	33.4	87.7	63.1	34.8	3390	36444
	April 24	Sept 24	34267	34364	11.0	41.9	99	0	0.0	0.2	0.2	6.3	14.7	30.3	86.9	56.8	41.4	3231	35476
	May 07	Sept 04	35235	35816	10.5	67.2	102	60	3.0	2.6	5.6	6.9	18.1	35.4	86.9	63.1	32.3	3342	35105
	May 07	Sept 24	36590	37074	11.0	48.2	100	5	0.3	0.7	0.9	6.3	15.0	30.7	87.2	58.5	40.1	3227	35603
	May 16	Sept 04	36494	36978	9.7	70.3	104	71	3.5	2.6	6.2	7.0	19.9	38.1	85.6	62.5	28.5	3178	30867
	May 16	Sept 24	36106	36494	10.5	52.6	104	15	0.8	0.6	1.4	6.2	15.8	32.3	87.1	60.0	38.3	3222	33718
	June 01	Sept 04	36881	36881	8.3	74.8	107	99	4.9	3.8	8.7	7.8	23.8	43.5	83.5	62.3	21.6	2952	24650
	June 01	Sept 24	36203	36397	10.0	61.1	107	50	2.5	2.8	5.3	6.6	18.3	35.8	86.2	61.5	31.6	3166	31787
	June 14	Sept 04	36494	36494	5.8	78.9	113	100	5.0	4.1	9.0	8.2	28.1	49.6	80.7	61.2	10.3	2371	13658
	June 14	Sept 24	35429	35429	7.0	67.5	112	79	4.0	3.6	7.5	6.8	19.5	37.2	86.2	63.1	29.0	3175	22190

continued

Table: 1803-02. Planting Date and Harvest Timing Influence on Corn Silage Performance.

continued. **Arlington, WI - 2018.**

					Whole Plant														
	Planting	Harvest	Density		Dry Matter		Plant	Kernel	KMR	SMR	VMR	Crude			*In Vitro*			Milk per	
Hybrid	date	date	plant	ears	yield	Moisture	height	milk	0-5	0-5	0-10	protein	ADF	NDF	Digest	NDFD	Starch	Ton	Acre
			plants/A	ears/A	tons/A	%	inches	%				%	%	%	%	%	%	lbs/T	lbs/A
DKC58-06RIB	April 24	Sept 04	36978	37171	11.5	63.3	100	43	2.2	2.0	4.2	6.6	15.9	32.5	87.8	62.6	35.4	3374	38639
DKC58-06RIB	April 24	Sept 24	34848	34848	11.7	44.5	99	0	0.0	0.3	0.3	6.1	14.8	30.7	86.4	55.6	40.4	3155	36901
DKC58-06RIB	May 07	Sept 04	36590	37365	10.6	67.8	103	65	3.3	2.6	5.8	6.7	18.8	36.4	86.0	61.5	30.7	3225	34168
DKC58-06RIB	May 07	Sept 24	38333	38720	11.6	50.1	100	8	0.4	0.9	1.4	6.1	14.6	30.6	86.8	56.9	40.3	3196	37110
DKC58-06RIB	May 16	Sept 04	38720	39688	10.1	70.8	106	77	3.8	2.7	6.5	6.7	20.4	38.6	84.6	60.4	28.2	3114	31576
DKC58-06RIB	May 16	Sept 24	36784	37365	10.7	54.9	105	20	1.0	0.9	1.9	5.9	16.1	32.7	86.2	58.0	37.5	3168	33909
DKC58-06RIB	June 01	Sept 04	37558	37558	8.5	75.0	108	99	4.9	3.6	8.5	8.0	25.6	46.1	81.6	60.1	18.4	2794	23943
DKC58-06RIB	June 01	Sept 24	36010	36010	10.4	62.6	108	58	2.9	3.1	6.0	6.4	18.2	35.4	86.1	60.7	31.7	3166	32773
DKC58-06RIB	June 14	Sept 04	37171	37171	6.2	78.3	113	100	5.0	4.5	9.5	8.2	28.6	50.3	80.0	60.2	9.2	2286	14287
DKC58-06RIB	June 14	Sept 24	35235	35235	7.8	67.9	112	82	4.1	3.3	7.4	6.8	19.6	37.4	85.6	61.5	29.0	3144	24421
P9998AMXT	April 24	Sept 04	37171	37752	10.0	63.5	99	37	1.8	1.3	3.2	6.6	17.3	34.3	87.6	63.7	34.2	3406	34248
P9998AMXT	April 24	Sept 24	33686	33880	10.3	39.3	99	0	0.0	0.0	0.0	6.5	14.6	29.9	87.5	58.1	42.5	3306	34050
P9998AMXT	May 07	Sept 04	33880	34267	10.4	66.6	100	55	2.8	2.6	5.3	7.0	17.4	34.3	87.9	64.8	33.9	3459	36041
P9998AMXT	May 07	Sept 24	34848	35429	10.5	46.2	100	2	0.1	0.4	0.5	6.6	15.4	30.9	87.7	60.1	40.0	3258	34095
P9998AMXT	May 16	Sept 04	34267	34267	9.3	69.9	103	65	3.3	2.6	5.8	7.2	19.5	37.6	86.6	64.5	28.9	3243	30157
P9998AMXT	May 16	Sept 24	35429	35622	10.2	50.3	102	10	0.5	0.3	0.8	6.4	15.6	31.8	87.9	62.1	39.1	3277	33527
P9998AMXT	June 01	Sept 04	36203	36203	8.1	74.6	105	99	4.9	3.9	8.8	7.7	21.9	40.9	85.5	64.5	24.7	3110	25358
P9998AMXT	June 01	Sept 24	36397	36784	9.7	59.6	106	42	2.1	2.5	4.6	6.7	18.4	36.2	86.3	62.2	31.5	3166	30802
P9998AMXT	June 14	Sept 04	35816	35816	5.3	79.5	112	99	5.0	3.6	8.6	8.3	27.6	49.0	81.5	62.2	11.4	2456	13029
P9998AMXT	June 14	Sept 24	35622	35622	6.3	67.2	112	77	3.8	3.8	7.6	6.8	19.4	37.1	86.8	64.6	29.1	3206	19959
Mean			36077	36339	9.5	62.6	105	52	2.6	2.2	4.8	6.9	19.0	36.6	85.8	61.2	30.8	3125	29950
Probability(%)																			
Hybrid (H)			13.1	11.9	12.4	13.5	32.5	19.9	19.9	13.8	8.6	7.5	25.4	22.2	5.9	3.2	13.2	5.9	31.3
PlantDate(P)			89.8	85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	0.0	0.0	0.0
HxP			40.7	21.3	70.1	72.0	93.1	78.6	78.6	93.7	93.4	12.4	36.7	54.6	65.0	75.4	71.0	96.6	69.1
HarvDate(D)			24.6	20.4	0.0	0.0	52.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HxD			46.6	33.6	44.3	1.3	43.1	64.8	64.8	81.7	64.1	14.0	4.5	6.3	22.5	94.4	7.8	2.3	16.6
PxD			32.6	26.8	12.8	0.0	94.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
HxPxD			74.1	66.4	81.2	91.3	98.9	44.2	44.2	0.3	4.2	36.4	4.9	1.4	15.5	68.0	1.3	3.3	39.1
LSD(0.10)																			
Hybrid (H)			NS	NS	NS	NS	NS	NS	NS	NS	0.6	0.2	NS	NS	1.0	1.6	NS	94	NS
PlantDate(P)			NS	NS	0.7	2.1	3	7	0.3	0.4	0.6	0.2	1.0	1.4	1.0	NS	1.6	89	2455
HxP			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HarvDate(D)			NS	NS	0.3	1.0	NS	4	0.2	0.1	0.2	0.1	0.5	0.6	0.5	0.9	0.7	35	1067
HxD			NS	NS	NS	1.6	NS	NS	NS	NS	NS	NS	0.7	1.0	NS	NS	1.2	60	NS
PxD			NS	NS	NS	2.6	NS	9	0.4	0.4	0.7	0.3	1.2	1.6	1.3	2.0	1.9	101	2892
HxPxD			NS	NS	NS	NS	NS	NS	NS	0.6	0.9	NS	1.7	2.3	NS	NS	2.7	145	NS

Table: 1803-03. Planting Date and Hybrid Influence on Corn Leaf Development. Arlington, WI - 2018.

Hybrid	Date of planting	Observation date	Leaf Development: Leaf collars	Leaf Development: Hail adjusters method	Leaf Development: Total leaves	Plant height
		day of year	no./plant	no./plant	no./plant	inches
		149	2.8	3.5	4.5	5.7
		163	4.2	5.0	6.8	14.6
		176	5.9	8.3	9.5	27.5
		190	10.8	11.4	13.6	59.7
		204	15.2	14.2	16.5	85.4
		219	17.4	15.7	17.8	100.3
	April 24		12.0	12.4	13.8	62.3
	May 07		10.8	11.1	12.7	56.1
	May 16		9.7	9.8	11.9	51.6
	June 01		9.4	9.4	11.5	51.0
	June 14		7.5	7.9	10.1	41.2
	April 24	149	4.1	5.3	6.4	8.0
	April 24	163	6.4	7.9	9.5	25.1
	April 24	176	9.4	12.8	14.3	51.7
	April 24	190	16.1	15.2	16.7	93.2
	April 24	204	18.2	17.0	18.2	97.8
	April 24	219	17.6	16.3	17.6	98.2
	May 07	149	2.7	3.3	4.1	4.8
	May 07	163	5.3	6.5	7.9	16.1
	May 07	176	7.8	10.5	12.1	36.9
	May 07	190	12.8	13.8	15.4	77.7
	May 07	204	17.9	15.9	17.9	100.3
	May 07	219	18.7	16.8	18.7	101.1
	May 16	149	1.6	2.0	3.0	4.2
	May 16	163	3.2	3.8	5.5	10.3
	May 16	176	5.9	8.4	9.8	25.1
	May 16	190	10.5	11.3	14.8	59.1
	May 16	204	16.3	15.0	17.1	93.1
	May 16	219	18.0	15.3	18.0	102.0
	June 01	149	2.0	2.0	3.3	4.3
	June 01	163	2.1	1.8	4.3	6.9
	June 01	176	5.3	7.4	8.5	20.2
	June 01	190	9.3	10.4	12.9	50.9
	June 01	204	14.5	14.3	16.4	85.5
	June 01	219	18.3	15.8	18.3	107.1
	June 14	149	-	-	-	-
	June 14	163	-	-	-	-
	June 14	176	1.1	2.2	3.0	3.8
	June 14	190	5.3	6.3	8.0	17.7
	June 14	204	9.1	8.9	12.9	50.2
	June 14	219	14.6	14.3	16.3	93.0

Continued

Table: 1803-03. Planting Date and Hybrid Influence on Corn Leaf Development.
(continued) **Arlington, WI - 2018.**

Hybrid	Date of planting	Observation date	Leaf Development: Leaf collars	Leaf Development: Hail adjusters method	Leaf Development: Total leaves	Plant height
		day of year	no./plant	no./plant	no./plant	inches
Dekalb DKC58-06RIB			10.4	10.6	12.6	53.6
P9998AMXT			9.7	10.0	11.7	53.0
Dekalb DKC58-06RIB		149	2.9	3.6	4.6	5.7
Dekalb DKC58-06RIB		163	4.5	5.3	7.1	14.6
Dekalb DKC58-06RIB		176	6.1	8.4	9.8	28.0
Dekalb DKC58-06RIB		190	10.9	11.6	13.7	59.6
Dekalb DKC58-06RIB		204	15.9	14.5	17.3	85.8
Dekalb DKC58-06RIB		219	18.1	16.1	18.5	101.2
P9998AMXT		149	2.7	3.4	4.5	5.7
P9998AMXT		163	4.0	4.7	6.5	14.6
P9998AMXT		176	5.7	8.1	9.2	27.1
P9998AMXT		190	10.7	11.2	13.4	59.8
P9998AMXT		204	14.5	14.0	15.7	84.9
P9998AMXT		219	16.8	15.2	17.0	99.4
Dekalb DKC58-06RIB	April 24		12.7	12.6	14.6	65.3
Dekalb DKC58-06RIB	May 07		11.3	11.3	13.2	55.8
Dekalb DKC58-06RIB	May 16		10.1	10.2	12.2	52.2
Dekalb DKC58-06RIB	June 01		9.4	9.6	11.7	49.9
Dekalb DKC58-06RIB	June 14		7.6	8.2	10.3	39.9
P9998AMXT	April 24		11.2	12.2	12.9	59.3
P9998AMXT	May 07		10.4	10.9	12.2	56.4
P9998AMXT	May 16		9.3	9.3	11.5	51.0
P9998AMXT	June 01		9.3	9.3	11.4	52.1
P9998AMXT	June 14		7.5	7.6	9.8	42.4
Dekalb DKC58-06RIB	April 24	149	4.2	5.3	6.7	7.8
Dekalb DKC58-06RIB	April 24	163	7.0	8.2	10.2	26.2
Dekalb DKC58-06RIB	April 24	176	10.0	13.3	15.2	55.0
Dekalb DKC58-06RIB	April 24	190	17.2	15.7	17.8	97.0
Dekalb DKC58-06RIB	April 24	204	19.5	17.3	19.5	103.0
Dekalb DKC58-06RIB	April 24	219	18.3	15.8	18.3	103.2
Dekalb DKC58-06RIB	May 07	149	2.8	3.2	4.0	4.7
Dekalb DKC58-06RIB	May 07	163	5.5	7.2	8.2	15.3
Dekalb DKC58-06RIB	May 07	176	8.0	10.3	12.2	36.7
Dekalb DKC58-06RIB	May 07	190	11.8	13.2	15.2	75.5
Dekalb DKC58-06RIB	May 07	204	19.5	16.5	19.5	100.5
Dekalb DKC58-06RIB	May 07	219	20.0	17.5	20.0	102.3

Continued

Table: 1803-03. Planting Date and Hybrid Influence on Corn Leaf Development.
(continued) **Arlington, WI - 2018.**

Hybrid	Date of planting	Observation date	Leaf Development: Leaf collars	Leaf Development: Hail adjusters method	Leaf Development: Total leaves	Plant height
		day of year	no./plant	no./plant	no./plant	inches
Dekalb DKC58-06RIB	May 16	149	1.8	2.3	3.0	4.6
Dekalb DKC58-06RIB	May 16	163	3.3	4.2	5.7	10.5
Dekalb DKC58-06RIB	May 16	176	6.0	8.7	10.2	25.3
Dekalb DKC58-06RIB	May 16	190	10.7	12.0	14.3	58.7
Dekalb DKC58-06RIB	May 16	204	16.8	15.3	17.8	94.2
Dekalb DKC58-06RIB	May 16	219	19.0	16.2	19.0	104.0
Dekalb DKC58-06RIB	June 01	149	2.0	2.0	3.0	4.5
Dekalb DKC58-06RIB	June 01	163	2.2	1.8	4.3	6.3
Dekalb DKC58-06RIB	June 01	176	5.3	7.8	8.7	18.8
Dekalb DKC58-06RIB	June 01	190	9.2	10.3	13.0	50.2
Dekalb DKC58-06RIB	June 01	204	14.5	14.2	16.7	84.0
Dekalb DKC58-06RIB	June 01	219	18.5	16.3	18.5	105.2
Dekalb DKC58-06RIB	June 14	149	-	-	-	-
Dekalb DKC58-06RIB	June 14	163	-	-	-	-
Dekalb DKC58-06RIB	June 14	176	1.0	2.0	3.0	4.2
Dekalb DKC58-06RIB	June 14	190	5.7	6.8	8.3	16.8
Dekalb DKC58-06RIB	June 14	204	9.2	9.0	13.2	47.5
Dekalb DKC58-06RIB	June 14	219	14.5	14.8	16.7	91.2
P9998AMXT	April 24	149	4.0	5.2	6.2	8.3
P9998AMXT	April 24	163	5.8	7.7	8.8	24.0
P9998AMXT	April 24	176	8.8	12.2	13.3	48.3
P9998AMXT	April 24	190	15.0	14.7	15.5	89.3
P9998AMXT	April 24	204	16.8	16.7	16.8	92.5
P9998AMXT	April 24	219	16.8	16.7	16.8	93.2
P9998AMXT	May 07	149	2.5	3.3	4.2	4.9
P9998AMXT	May 07	163	5.0	5.8	7.7	16.8
P9998AMXT	May 07	176	7.5	10.7	12.0	37.2
P9998AMXT	May 07	190	13.8	14.3	15.7	79.8
P9998AMXT	May 07	204	16.3	15.3	16.3	100.0
P9998AMXT	May 07	219	17.3	16.2	17.3	99.8
P9998AMXT	May 16	149	1.5	1.8	3.0	3.8
P9998AMXT	May 16	163	3.0	3.5	5.3	10.0
P9998AMXT	May 16	176	5.8	8.2	9.5	24.8
P9998AMXT	May 16	190	10.3	10.7	15.2	59.5
P9998AMXT	May 16	204	15.7	14.7	16.3	92.0
P9998AMXT	May 16	219	17.0	14.5	17.0	100.0
P9998AMXT	June 01	149	2.0	2.0	3.5	4.0
P9998AMXT	June 01	163	2.0	1.7	4.3	7.5
P9998AMXT	June 01	176	5.2	7.0	8.3	21.5
P9998AMXT	June 01	190	9.3	10.5	12.8	51.7
P9998AMXT	June 01	204	14.5	14.3	16.2	87.0
P9998AMXT	June 01	219	18.0	15.2	18.0	109.0

Continued

Table: 1803-03. Planting Date and Hybrid Influence on Corn Leaf Development.
(continued) **Arlington, WI - 2018.**

Hybrid	Date of planting	Observation date	Leaf Development: Leaf collars	Leaf Development: Hail adjusters method	Leaf Development: Total leaves	Plant height
		day of year	no./plant	no./plant	no./plant	inches
P9998AMXT	June 14	149	-	-	-	-
P9998AMXT	June 14	163	-	-	-	-
P9998AMXT	June 14	176	1.2	2.3	3.0	3.5
P9998AMXT	June 14	190	5.0	5.7	7.7	18.5
P9998AMXT	June 14	204	9.0	8.8	12.7	52.8
P9998AMXT	June 14	219	14.7	13.7	16.0	94.8
Mean			10.1	10.3	12.1	53.3
Probability(%)						
Hybrid(H)			1.3	10.5	1.5	25.6
Date of Planting (D)			0.0	0.0	0.0	0.0
HxD			36.8	96.5	27.4	34.1
Sample DOY (S)			0.0	0.0	0.0	0.0
H x S			47.4	97.9	29.5	99.5
DxS			0.0	0.0	0.0	0.0
HxDxS			94.6	99.14	99.4	100.0
LSD(0.10)						
Hybrid(H)			0.1	NS	0.1	NS
Date of Planting (D)			0.7	0.7	0.7	4.1
HxD			NS	NS	NS	NS
Sample DOY (S)			0.8	0.8	0.8	4.5
H x S			NS	NS	NS	NS
DxS			1.7	1.7	1.7	10.2
HxDxS			NS	NS	NS	NS