

---

## **ALBERTA CORN COMMITTEE**

### **2001 Corn Hybrid Trials**

Trials were seeded at Brooks (2200 CHU), Bow Island (2400 CHU), Lethbridge (2100 CHU), and Vauxhall (2200 CHU). Four Replicates were seeded at each site.

Plots consisted of two 6 - metre rows for the Silage trials and four 6 - metre rows for the Grain trials. Population densities were 60,000 plants/ha (24,000 plants/acre) for the irrigated grain tests, and 75,000 plants/ha (30,000 plants/acre) for the silage tests. Checks for each tests are recommended hybrids on the 2002 Recommendation List.

This growing season was better than average for corn. There were ample heat units, but trials were challenged by wind, hail, and drought. Successful harvests were accomplished and data from all four sites was deemed acceptable.

Corn Heat Units accumulated from 15MAY01 to the first kill frost recorded at Lethbridge were 2710 CHU, Vauxhall 2646 CHU, Bow Island 2749 CHU, and Brooks 2595 CHU.

### **Explanation of Variables**

- X Grain yields were obtained by harvesting all ears or cobs of the centre two rows in each four row plot. Silage yields were obtained by harvesting all plants in the two row plot.
  
- X Grain yield is expressed as yield in g/plot and bu/ac at 15.5% moisture and silage yield is tonnes/ha on a dry matter basis.
  
- X Grain moisture at all locations was determined with a Dickey John GAC-II grain moisture computer.
  
- X Silage Whole Plant Moisture content was determined by collecting a 300 g sample of chopped material from the harvested plot, drying and reweighing the sample.
  
- X Anthesis was the first day when anthers were extruded on at least 10% of the plants.
  
- X Silking was the first day when silks were visible on at least 50% of the plants.
  
- X Test Weight, expressed as kg/hl, was determined by the GAC-II grain moisture computer at Vauxhall and Lethbridge. To convert to lb/bu multiply by 0.807. Test weights were adjusted to moisture at 15.5% using a method that adjusts for porosity changes.

This is available on request.

**Table a.** 2001 Corn Hybrid Trial Co-operators

Location of test	Co-Operator	Supervising Agency
Lethbridge & Vauxhall	B. Beres	Agriculture & Agri-Food Canada
	Technical support: A. Larson R. Dyck G. Larson	
Brooks & Bow Island	C. Wildschut	AAFRD - Brooks
	Technical support: L. Ost	

**Table b.** 2001 Corn Hybrid Trials Soil profiles, seeding and harvest dates

	Lethbridge	Vauxhall	Brooks	Bow Island
Soil Type	Loam	Sandy Loam	Silty Loam	Sandy
Soil Zone	Dark Brown	----- Brown -----		
Seeding Date	03 May	04 May	07 May	09 May
Harvest Date	Silage	Silage	Silage	Silage
	Sept 13	Sept 14	Sept 25	Sept 26
	Grain	Grain	Grain	Grain
	Oct 09	Oct 12	Oct 03	Oct 02

**Table c.** 2001 Corn Hybrid Trials - Amendments and Pesticides used

Location	Fertilizer Amendments	Pesticides Used	Irrigation Applied
<b><u>Lethbridge</u></b>			
	No Amendments required	No post emergent applied	Linear inoperable Aug 2-15
Grain	276 lbs avail N, 1256 lbs avail P	Eradicane 8E (3.4L/Ac)	12.25" Irrigation applied
Silage	276 lbs avail N, 1256 lbs avail P	Eradicane 8E (3.4L/Ac)	12.25" Irrigation applied
<b><u>Vauxhall</u></b>			
	No Amendments required		
Grain	675 lbs avail N, 338lbs avail P	Eradicane 8E (2L/Ac), Pardner (450ml/Ac), Accent (13.6g/Ac)	14.5 " Irrigation applied
Silage	675 lbs avail N, 338lbs avail P	Eradicane 8E (2L/Ac), Pardner (450ml/Ac), Accent (13.6g/Ac)	14.5 " Irrigation applied
<b><u>Bow Island</u></b>			
Grain	500 lbs/Ac 34-17-0 broadcast/disc'd	Eradicane 8E (2L/Ac), Buctril M (400ml/Ac)	16" Irrigation applied
Silage	500 lbs/Ac 34-17-0 broadcast/disc'd	Eradicane 8E (2L/Ac), Buctril M (400ml/Ac)	16" Irrigation applied
<b><u>Brooks</u></b>			
Grain	500 lbs/Ac 34-17-0 broadcast/disc'd	Eradicane 8E (2L/Ac), Buctril M (400ml/Ac)	16" Irrigation applied
Silage	500 lbs/Ac 34-17-0 broadcast/disc'd	Eradicane 8E (2L/Ac), Buctril M (400ml/Ac)	16" Irrigation applied

**\*2001 Corn Recommendation List For Silage Production**

Company	Hybrid	Number of locations/years	Yield (tonnes/ha) Dry	Whole plant moisture (%)	Date of anthesis
Advanta	8960	10	16.1	67.7	31JUL01
Advanta	N8993	11	15.8	66.0	29JUL01
Dekalb	DK221	12	17.3	63.2	27JUL01
Dekalb	DKC28-12	8	17.3	63.9	27JUL01
Hyland	HLS012	12	16.6	66.8	04AUG01
Syngenta	G4066	69	16.8	65.2	28JUL01
Syngenta	N09-A4	8	16.3	65.2	30JUL01
Pioneer	X0779Y	8	16.3	64.5	29JUL01
Pioneer	39W54	8	15.8	65.0	27JUL01
Pioneer	3921	35	18.8	65.1	01AUG01
Pioneer	39K38	10	17.8	65.4	02AUG01
Pioneer	X0708F	12	14.1	60.0	24JUL01
Pioneer	39T68	16	16.8	63.9	27JUL01
Pioneer	39N03	12	13.3	59.7	23JUL01
Pioneer	39A46	8	17.3	65.7	01AUG01
Pioneer	39R52	18	16.8	68.0	31JUL01
Pioneer	38F70	12	18.8	69.1	01AUG01

\* Hybrid must have five or more station years to be published in list

**2001 Alberta Corn Committee Silage Summary Averaged Over Locations**

Company	Hybrid	N	Yield (tonnes/ha)Dry	Whole Plant Moisture (%)	Anthesis (10%)
Advanta	8993	3	17.3	47.6	30JUL01
Advanta	8985	4	16.1	49.0	20JUL01
Advanta	8966	2	18.0	49.2	27JUL01
Advanta	8975	2	18.0	52.2	28JUL01
Advanta	8960	2	17.1	54.4	27JUL01
Dekalb	DKC28-12	4	17.5	52.2	25JUL01
Dekalb	DK221	4	17.5	52.7	25JUL01
Dekalb	DKC33-08	4	19.0	51.4	01AUG01
Dekalb	DKC32-59	4	19.8	50.4	30JUL01
Dekalb	DKC27-12	4	19.0	50.6	26JUL01
Hyland	HLS007	4	18.5	51.0	29JUL01
Hyland	HLXS1002	4	19.8	50.8	31JUL01
Hyland	HLS014	4	19.8	50.1	02AUG01
Hyland	HLS012	4	18.3	53.1	04AUG01
Hyland	HLSX1001	4	18.3	52.2	03AUG01
Pickseed	Exsile	4	18.5	50.1	03AUG01
Pioneer	X0708F	4	13.8	50.6	18JUL01
Pioneer	X0914A	4	19.0	50.2	02AUG01
Pioneer	X0738J	4	18.5	51.7	29JUL01
Pioneer	39R52	4	19.3	51.7	30JUL01
Pioneer	39A46	4	18.8	51.0	31JUL01
Pioneer	3921(R)	4	19.8	51.8	01AUG01
Pioneer	X0779Y	4	17.1	51.9	27JUL01
Pioneer	39G12	4	17.5	51.9	29JUL01
Pioneer	39J26	4	15.8	51.9	23JUL01
Pioneer	39T68	4	16.8	52.1	26JUL01
Pioneer	39K40	4	20.3	50.3	02AUG01
Pioneer	39T71	4	18.8	51.5	26JUL01

Pioneer	39N03	4	14.1	51.1	19JUL01
Pioneer	39N72	4	19.5	52.3	30JUL01
Pioneer	38F70	4	21.5	52.4	01AUG01
Pioneer	39K38	4	19.3	51.4	01AUG01
Pioneer	39W54	4	17.1	52.6	24JUL01

**2001 Alberta Corn Committee Silage Summary Averaged Over Locations (Continued)**

Company	Hybrid	N	Yield (tonnes/ha) Dry	Whole Plant Moisture (%)	Anthesis (10%)
Pioneer	X0728F	4	15.1	53.3	23JUL01
Pioneer	39R62	4	17.5	51.7	28JUL01
Pioneer	X0838B	4	18.5	53.5	26JUL01
Pioneer	39R34	4	16.8	53.4	27JUL01
Syngenta	NX1120	4	18.0	52.5	27JUL01
Syngenta	N09-A4	4	18.3	53.3	29JUL01
Syngenta	G4066	4	17.8	50.3	27JUL01

**2001 Lethbridge Silage Trial**

Company	Hybrid	Anthesis (10%)	Silking (50%)	Yield (tonnes/ha)	Moisture (%)
Advanta	8985	17JUL01	19JUL01	13.6	67.3
Dekalb	DKC27-12	20JUL01	22JUL01	14.8	68.6
Dekalb	DKC33-08	29JUL01	31JUL01	16.1	71.1
Dekalb	DKC32-59	28JUL01	30JUL01	16.3	70.6
Dekalb	DKC28-12	20JUL01	22JUL01	15.5	68.2
Dekalb	DK221	20JUL01	22JUL01	14.5	66.9
Hyland	HLS014	30JUL01	28JUL01	18.2	65.1
Hyland	HLS007	24JUL01	27JUL01	16.9	68.7
Hyland	HLSX1001	01AUG01	30JUL01	16.9	67.4
Hyland	HLS012	01AUG01	03AUG01	17	68.8
Hyland	HLXS1002	29JUL01	31JUL01	17.5	68.2
Syngenta	G-4066	23JUL01	25JUL01	16.1	67.4
Syngenta	N09-A4	24JUL01	27JUL01	16.8	68.8
Syngenta	NX1120	23JUL01	25JUL01	13.6	71.9
Pickseed	Exsile	01AUG01	03AUG01	17.3	68.2
Pioneer	X0838B	22JUL01	24JUL01	15.5	68.2
Pioneer	X0708F	15JUL01	17JUL01	13.3	63.5
Pioneer	39W54	20JUL01	22JUL01	14.5	68.1
Pioneer	39R62	26JUL01	28JUL01	16	66.4
Pioneer	39T68	20JUL01	22JUL01	14.9	68.7
Pioneer	39N72	26JUL01	28JUL01	15.4	68.7
Pioneer	X0728F	19JUL01	21JUL01	13.3	62.6
Pioneer	X0738J	25JUL01	28JUL01	16.6	68.2
Pioneer	39K40	31JUL01	02AUG01	18	68.6
Pioneer	39T71	22JUL01	24JUL01	14.7	69
Pioneer	39G12	25JUL01	28JUL01	15.7	69.2
Pioneer	39A46	30JUL01	01AUG01	15.7	69.4
Pioneer	X0779Y	23JUL01	26JUL01	12.7	69.8
Pioneer	39K38	29JUL01	31JUL01	16.6	70.1
Pioneer	X0914A	30JUL01	01AUG01	17.7	70.1
Pioneer	39R52	26JUL01	29JUL01	16.2	70.2
Pioneer	39R34	23JUL01	25JUL01	14.8	65.6
Pioneer	39J26	20JUL01	22JUL01	11.9	65
Pioneer	3921(R)	28JUL01	30JUL01	17.4	68.8
Pioneer	38F70	30JUL01	01AUG01	16.6	72.7
Pioneer	39N03	17JUL01	19JUL01	13.3	62
Mean		25JUL01	26JUL01	15.6	68.1
LSD (Alpha = 0.05)		0.7	0.8	1.5	1.7
C.V.		0.2	0.3	7.0	1.8

**2000 Vauxhall Silage Trial**

Company	Hybrid	Anthesis (10%)	Silking (50%)	Yield (tonnes/ha)	Moisture (%)
Advanta	8960	27JUL01	29JUL01	18.9	63.3
Advanta	8975	28JUL01	30JUL01	17.4	62
Advanta	8966	27JUL01	29JUL01	16.8	59.7
Advanta	8985	17JUL01	19JUL01	16.2	50.7
Advanta	8993	23JUL01	25JUL01	18.3	58
Dekalb	DK221	20JUL01	22JUL01	18.7	58.4
Dekalb	DKC32-59	25JUL01	28JUL01	19.8	61.3
Dekalb	DKC28-12	20JUL01	22JUL01	18.5	56.4
Dekalb	DKC33-08	26JUL01	28JUL01	21.3	64.1
Dekalb	DKC27-12	20JUL01	22JUL01	18.7	60.1
Hyland	HLS012	31JUL01	02AUG01	17.7	61.1
Hyland	HLS007	24JUL01	26JUL01	18.2	61.2
Hyland	HLS014	31JUL01	29JUL01	23.1	55.4
Hyland	HLXS1002	25JUL01	27JUL01	20.8	57.5
Hyland	HLSX1001	01AUG01	30JUL01	20.2	57.4
Syngenta	G-4066	22JUL01	24JUL01	17.9	55.4
Syngenta	N09-A4	24JUL01	26JUL01	20	53.8
Syngenta	NX1120	22JUL01	24JUL01	19.7	58.4
Pickseed	Exsile	01AUG01	03AUG01	19	62.1
Pioneer	39G12	25JUL01	27JUL01	18.8	53.2
Pioneer	39J26	18JUL01	20JUL01	16.4	52.1
Pioneer	X0738J	25JUL01	27JUL01	20.9	58.6
Pioneer	39W54	19JUL01	21JUL01	18	58
Pioneer	39R34	22JUL01	24JUL01	18.2	50.6
Pioneer	39A46	25JUL01	27JUL01	20.1	59.8
Pioneer	X0779Y	23JUL01	25JUL01	17.9	55.2
Pioneer	X0838B	22JUL01	24JUL01	20.7	56.1
Pioneer	39R62	23JUL01	25JUL01	20.3	55.1
Pioneer	39T71	20JUL01	22JUL01	17.6	54.3
Pioneer	X0914A	28JUL01	31JUL01	18.5	61.2
Pioneer	39T68	20JUL01	22JUL01	16.1	53.5
Pioneer	39K40	29JUL01	31JUL01	19.6	61.4
Pioneer	3921(R)	26JUL01	28JUL01	20.1	61.7
Pioneer	X0708F	15JUL01	17JUL01	15.1	49.4
Pioneer	39N72	25JUL01	27JUL01	20.5	60.1
Pioneer	X0728F	17JUL01	19JUL01	17.7	47.6
Pioneer	39K38	26JUL01	28JUL01	21.3	59.5
Pioneer	39R52	25JUL01	28JUL01	18.8	64.7
Pioneer	38F70	28JUL01	30JUL01	22.7	66
Pioneer	39N03	17JUL01	19JUL01	15.4	47.5
Mean		24JUL01	26JUL01	18.9	57.5
LSD (Alpha = 0.05)		1.1	1.1	2.7	5.0
C.V.		0.4	0.4	9.4	6.4

**2001 Brooks Silage Trial**

Company	Hybrid	Anthesis (10%)	Yield (tonnes/ha)	Moisture (%)
Advanta	8993	06AUG01	17.4	37.1
Advanta	8985	28JUL01	16.1	34.7
Dekalb	DK221	06AUG01	17.6	36.6
Dekalb	DKC32-59	07AUG01	20.8	30.3
Dekalb	DKC33-08	10AUG01	19	30.5
Dekalb	DKC27-12	07AUG01	20.7	32.3
Dekalb	DKC28-12	06AUG01	16.3	34
Hyland	HLS014	08AUG01	16.6	34.4
Hyland	HLS012	11AUG01	16	40.1
Hyland	HLXS1002	10AUG01	19.4	32.5
Hyland	HLS007	08AUG01	19.2	34.1
Hyland	HLSX1001	09AUG01	16.9	33.7
Syngenta	G-4066	07AUG01	16.8	34.6
Syngenta	N09-A4	09AUG01	16.3	40.5
Syngenta	NX1120	07AUG01	19	34.6
Pickseed	Exsile	08AUG01	17.1	31.6
Pioneer	3921(R)	11AUG01	17.9	32.6
Pioneer	39T71	07AUG01	21	33.8
Pioneer	39K40	10AUG01	20.8	30.7
Pioneer	X0779Y	05AUG01	17	34.5
Pioneer	39K38	11AUG01	15.9	32.4
Pioneer	39W54	04AUG01	19.1	32.6
Pioneer	X0738J	07AUG01	19.2	32.5
Pioneer	39A46	09AUG01	18.8	30.5
Pioneer	39N72	08AUG01	19.4	36.3
Pioneer	38F70	09AUG01	21.9	29.5
Pioneer	39R62	06AUG01	16.4	36.7
Pioneer	39N03	25JUL01	14.7	36.8
Pioneer	X0914A	11AUG01	19.7	27.6
Pioneer	39G12	07AUG01	19	37.4
Pioneer	X0708F	24JUL01	14.6	37.6
Pioneer	39J26	02AUG01	17.5	38.1
Pioneer	X0838B	05AUG01	17.7	38.5
Pioneer	39T68	07AUG01	18.5	35.4
Pioneer	39R52	09AUG01	21.2	30.1
Pioneer	39R34	05AUG01	17	41.3
Pioneer	X0728F	02AUG01	13.6	45.6
Mean		06AUG01	17.9	34.6
LSD (Alpha = 0.05)		1.8	2.1	6.1
C.V.		0.7	8.5	11.4

**2001 Bow Island Silage Trial**

Company	Hybrid	Anthesis (10%)	Yield (tonnes/ha)	Moisture (%)
Advanta	8993	06AUG01	11.4	47.8
Advanta	8966	09AUG01	16	38.8
Advanta	8960	08AUG01	12	45.6
Advanta	8975	07AUG01	15.5	42.5
Advanta	8985	02AUG01	12.2	43.5
Dekalb	DKC33-08	10AUG01	12.3	40
Dekalb	DKC27-12	11AUG01	14.7	41.4
Dekalb	DK221	10AUG01	12.8	48.9
Dekalb	DKC28-12	11AUG01	13.6	50.5
Dekalb	DKC32-59	07AUG01	14.4	39.7
Hyland	HLSX1001	10AUG01	12.5	50.4
Hyland	HLS012	09AUG01	16	42.6
Hyland	HLS007	10AUG01	12.8	40.3
Hyland	HLS014	07AUG01	13.4	45.5
Hyland	HLXS1002	12AUG01	13.9	45.3
Syngenta	G-4066	04AUG01	13.6	44
Syngenta	NX1120	04AUG01	12.9	45.4
Syngenta	N09-A4	10AUG01	12.8	50.4
Pickseed	Exsile	07AUG01	13.7	38.8
Pioneer	39A46	06AUG01	13.7	44.6
Pioneer	3921(R)	11AUG01	16.1	44.3
Pioneer	X0914A	08AUG01	13.2	42.2
Pioneer	39N72	08AUG01	15.2	44.1
Pioneer	39K38	07AUG01	16.5	43.8
Pioneer	39G12	05AUG01	10.1	47.9
Pioneer	X0779Y	04AUG01	14.3	48.1
Pioneer	38F70	08AUG01	16.5	41.4
Pioneer	39T71	08AUG01	14.5	48.9
Pioneer	X0738J	03AUG01	10.9	47.6
Pioneer	39K40	14AUG01	15.2	40.7
Pioneer	39R52	23AUG01	13.6	42
Pioneer	39R62	25AUG01	10.7	48.9
Pioneer	39T68	07AUG01	11.9	51.1
Pioneer	X0838B	07AUG01	13.5	51.3
Pioneer	39W54	09AUG01	9.9	51.9
Pioneer	X0708F	23JUL01	7.5	51.9
Pioneer	39J26	11AUG01	12	52.6
Pioneer	39R34	05AUG01	11.3	56.3
Pioneer	X0728F	31JUL01	10.2	57.4
Pioneer	39N03	28JUL01	8.1	58.3
Mean		08AUG01	13.1	46.4
LSD (Alpha = 0.05)		5.0	1.7	5.2
C.V.		1.7	10.0	8.4

**\* 2001 Corn Hybrid Recommendation List for Grain Production**

Company	Hybrid	Number of Location/ Years	Grain Yield (bu/ac)	Grain Moisture (%)	Test Weight (lb/bu)	Date of Anthesis
Advanta	8985	11	103.7	25.4	54.1	24JUL01
Advanta	N8993	10	99.9	33.0	48.0	29JUL01
Dekalb	DK221	11	98.2	28.6	54.4	27JUL01
Dekalb	DKC28-12	7	99.7	31.2	54.2	28JUL01
Dekalb	DKC26-75	7	111.7	27.1	52.9	26JUL01
Hyland	HL2093	11	104.4	23.9	53.3	28JUL01
Hyland	HL2017	20	105.2	26.0	53.6	25JUL01
Pioneer	39W54	7	97.2	23.9	54.0	28JUL01
Pioneer	39N03	6	91.9	24.1	56.3	23JUL01
Pioneer	X0708F	6	93.0	25.2	55.9	21JUL01
Syngenta	N04-T4	7	105.7	29.6	51.5	25JUL01
Syngenta	G4011	35	99.4	24.2	53.7	26JUL01

\* Hybrid must have five or more station years to be published in list

**2001 Alberta Corn Committee Grain Summary Averaged Over Locations**

Company	Hybrid	N	Yield (bu/ac)	Moisture (%)	Test Weight (lb/bu)	Anthesis
Advanta	N9970	2	157.3	24.6	54.6	29JUL01
Pioneer	39W54	4	136.9	21.5	56.7	28JUL01
Syngenta	G4011	4	134.5	22.0	56.6	27JUL01
Hyland	HL2093	4	149.7	22.3	55.6	28JUL01
Syngenta	N09-A4	4	138.1	24.9	54.2	24JUL01
Hyland	HL2017	4	141.0	23.9	56.8	25JUL01
Advanta	N9951	2	112.9	31.4	54.3	03AUG01
Advanta	8985	4	153.5	22.8	57.0	24JUL01
Dekalb	DKC26-75	4	163.8	23.7	56.2	25JUL01
Syngenta	N04-T4	4	153.3	25.5	54.8	25JUL01
Hyland	HLX1015	4	128.3	26.4	54.6	28JUL01
Dekalb	DK221	4	133.9	26.6	56.6	28JUL01
Hyland	HL2222	4	143.2	27.4	54.2	31JUL01
Dekalb	DKC28-12	4	136.8	28.0	57.0	29JUL01
Advanta	8993	3	149.0	29.2	50.3	01AUG01
Dekalb	DKC27-12	4	143.5	28.2	57.0	28JUL01
Pioneer	X0728F	2	141.2	22.6	58.2	22JUL01
Pioneer	39N03	2	128.2	24.7	57.8	23JUL01
Pioneer	X0708F	2	117.1	24.4	57.6	20JUL01

**2001 Lethbridge Grain Trials**

Company	Hybrid	Anthesis (10%)	Silking (50%)	Yield (g/plot)	Yield (bu/ac)	Moisture (%)	Test Weight (kg/hl)
Advanta	8985	18JUL01	20JUL01	7574.7	132.0	18.8	77.1
Dekalb	DKC27-12	21JUL01	25JUL01	7841.3	136.6	23.9	76.6
Dekalb	DKC28-12	21JUL01	24JUL01	7845.8	136.7	23.5	76.1
Dekalb	DK221	19JUL01	22JUL01	8050.6	140.3	22.2	76.2
Dekalb	DKC26-75	20JUL01	23JUL01	8259.1	143.9	20.3	75
Hyland	HL2017	18JUL01	21JUL01	7831.7	136.4	19.4	76.3
Hyland	HL2093	21JUL01	24JUL01	7347.1	128.0	17.9	73.1
Hyland	HLX1015	22JUL01	24JUL01	7596.6	132.4	21.9	73
Hyland	HL2222	25JUL01	28JUL01	7662.2	133.5	23.8	71.4
Syngenta	G-4011	21JUL01	23JUL01	8301.9	144.6	18.4	76.3
Syngenta	N04-T4	19JUL01	22JUL01	8473.6	147.6	21.2	73.7
Syngenta	N09-A4	25JUL01	28JUL01	7815	136.2	20.7	71.3
Pioneer	39N03	17JUL01	20JUL01	6689.2	116.5	18.4	77.9
Pioneer	X0728F	19JUL01	21JUL01	6876.3	119.8	16.7	78
Pioneer	X0708F	14JUL01	16JUL01	6235	108.6	18.7	77.3
Pioneer	39W54	20JUL01	23JUL01	7300.8	127.2	16.5	76.4
Mean		20JUL01	22JUL01	7607.1		20.1	75.3
LSD (Alpha = 0.05)		0.9	1.3	583.1		1.3	1.2
C.V.		0.3	0.4	5.2		4.5	1.2

**2001 Vauxhall Grain Trials**

Company	Hybrid	Anthesis (10%)	Silking (50%)	Yield (g/plot)	Yield (bu/ac)	Moisture (%)	Test Weight (kg/hl)
Advanta	8993	21JUL01	23JUL01	9833.8	171.3	23.2	67.8
Advanta	8985	16JUL01	18JUL01	9608.9	167.4	19.6	76.9
Advanta	N9951	28JUL01	30JUL01	7876	137.2	28.3	72.9
Advanta	N9970	21JUL01	24JUL01	10453.4	182.1	20.9	73.2
Dekalb	DK221	19JUL01	21JUL01	8731.5	152.1	22.1	75.5
Dekalb	DKC26-75	19JUL01	20JUL01	9773.5	170.3	19.9	73.7
Dekalb	DKC28-12	20JUL01	23JUL01	9324.3	162.5	24	76.1
Dekalb	DKC27-12	19JUL01	22JUL01	10003.8	174.3	23.8	75.1
Hyland	HL2093	19JUL01	21JUL01	9498.2	165.5	20.5	74.3
Hyland	HLX1015	20JUL01	22JUL01	8534.2	148.7	22.3	73
Hyland	HL2017	17JUL01	19JUL01	8986	156.6	20.2	76.7
Hyland	HL2222	22JUL01	24JUL01	10822.6	188.6	21.1	73.4
Syngenta	N04-T4	16JUL01	18JUL01	9824.1	171.2	21.3	73.3
Syngenta	G-4011	18JUL01	20JUL01	7901.4	137.7	16	77.7
Syngenta	N09-A4	21JUL01	23JUL01	9666.7	168.4	19.2	73.3
Pioneer	39W54	19JUL01	21JUL01	8784.8	153.1	17.2	77
Mean		20JUL01	22JUL01	9351.4		21.2	74.4
LSD (Alpha = 0.05)		1.5	1.6	1315.9		2.0	1.6
C.V.		0.5	0.5	9.8		6.5	1.5

**2001 Bow Island Grain Trials**

Company	Hybrid	Anthesis (10%)	Yield (g/plot)	Yield (bu/ac)	Moisture (%)	Test Weight (kg/hl)
Advanta	N9951	09AUG01	5082.9	88.6	34.5	62.9
Advanta	N9970	07AUG01	7596.9	132.4	28.3	63.2
Advanta	8993	05AUG01	8199	142.8	26.7	62.2
Advanta	8985	01AUG01	8373.1	145.9	23.9	67.4
Dekalb	DKC26-75	02AUG01	9143.7	159.3	22.9	66.7
Dekalb	DKC28-12	06AUG01	7152.5	124.6	29.6	66.6
Dekalb	DKC27-12	04AUG01	8153.7	142.1	31.1	67
Dekalb	DK221	04AUG01	7126.7	124.2	27.7	67.3
Hyland	HL2017	02AUG01	7559.9	131.7	23.2	68.2
Hyland	HLX1015	04AUG01	6611.8	115.2	27.3	64.7
Hyland	HL2222	07AUG01	7608	132.6	28.2	62.9
Hyland	HL2093	05AUG01	9271.2	161.5	21	66.4
Syngenta	G-4011	03AUG01	7737.2	134.8	22.2	66.7
Syngenta	N09-A4	08AUG01	6798.6	118.4	24.8	65.6
Syngenta	N04-T4	02AUG01	8555.2	149.1	25.7	64.2
Pioneer	39W54	04AUG01	7986.4	139.1	19.6	67.7
Mean		04AUG01	7684.8		26.0	65.6
LSD (Alpha = 0.05)		1.5	897.8		2.3	2.3
C.V.		0.5	8.7		6.9	2.4

**2001 Brooks Grain Trials**

Company	Hybrid	Anthesis (10%)	Yield (g/plot)	Yield (bu/ac)	Moisture (%)	Test Weight (kg/hl)
Advanta	8985	30JUL01	9670.6	168.5	28.9	64.1
Advanta	8993	08AUG01	7617.4	132.7	37.7	58.9
Dekalb	DKC28-12	08AUG01	7070.1	123.2	35.2	66.6
Dekalb	DK221	08AUG01	6838.4	119.1	34.4	64.4
Dekalb	DKC26-75	31JUL01	10418.8	181.5	31.7	65.8
Dekalb	DKC27-12	06AUG01	6936.2	120.8	34.3	66.2
Hyland	HL2093	08AUG01	8242.9	143.6	29.8	64.2
Hyland	HL2017	02AUG01	7997.2	139.3	33.0	63.1
Hyland	HLX1015	07AUG01	6698.2	116.7	34.1	62.8
Hyland	HL2222	09AUG01	6771.9	118.0	36.5	63.8
Syngenta	N04-T4	01AUG01	8346.9	145.4	33.9	63.0
Syngenta	G-4011	06AUG01	6929	120.7	31.6	62.8
Syngenta	N09-A4	11AUG01	7422.7	129.3	35.0	61.1
Pioneer	39N03	30JUL01	8027.6	139.9	31.0	66.8
Pioneer	39W54	10AUG01	7354	128.1	32.7	62.8
Pioneer	X0708F	26JUL01	7201.5	125.5	30.1	66.8
Pioneer	X0728F	26JUL01	9332.5	162.6	28.6	67.6
Mean		04AUG01	7821.6		32.8	64.1
LSD (Alpha = 0.05)		2.3	1793.9		2.6	3.6
C.V.		0.8	14.7		5.9	3.7

