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# 2009 Crop Variety Highlights and Insect Pest Updates

**Regional Testing of Cereal, Oilseed and Pulse Cultivars 2009**  
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Cultivars are tested regionally to determine their adaptation to the wide range of soil and climatic conditions in Saskatchewan. These tests are conducted at approximately 12 locations each year including two by Scott Research Farm staff (Scott and Glaslyn) and one at the Melfort Research Farm. Results form the basis of cultivar recommendations – yield data can help producers assess the performance of varieties in their area. However, data from a single location can be limited, particularly for new varieties. More comprehensive information is contained in the Saskatchewan Ministry of Agriculture publication, *Varieties of Grain Crops 2010*. Seed quantities for new varieties listed herein may be limited for 2010.

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**Table 1.** Growing Season Precipitation (mm) at Scott, Glaslyn and Melfort in 2009

Month	Scott	Glaslyn	Melfort
May	19	31	21
June	30	112	47
July	75	84	77
<b>Total</b>	<b>124</b>	<b>227</b>	<b>145</b>
Long Term Average	158	n/a	188

**Table 2.** Average Yield of Crop Species on Fallow expressed as a % of hard red spring wheat (AC Barrie) at Scott, Glaslyn and Melfort. For most crops, data presented is based on yields averaged over the past 15-20 years. Only 3 years data are averaged at Glaslyn.

	<b>Cultivar</b>	<b>Scott</b>	<b>Glaslyn</b>	<b>Melfort</b>
Bread Wheat	Katepwa, AC Barrie	100 (2990)	100 (4040)	100 (3500)
Utility Wheat	AC Karma, AC Crystal, AC Andrew	119	128 *	130
Extra Strong Wheat	Glenlea, AC Glenavon, Burnside	105	106 *	104
Durum Wheat	Kyle, AC Avonlea	103	---	103
Triticale	Frank, AC Certa	125	---	143
Barley	Harrington, AC Metcalfe	140	136 *	116
Oat	Calibre CDC Dancer	144	130 *	130
Canola	2663, 5020	75	---	76
Flax	Vimy, CDC Bethune	55	53 *	53
Mustard (Oriental)	Cutlass	77	---	----
Mustard (Brown)	Commercial Brown	67	---	---
Mustard (Yellow)	Ochre	51	---	---
Field Pea	Grande, Alfetta Cutlass	106	101 *	95
Lentil	CDC Milestone	72	---	46

\* Less than 4 years of data

**Table 3.** Yield of Spring Wheat Cultivars at Scott, Glaslyn and Melfort 2009

Cultivar	2009 Yield (kg/ha)			Long Term Average Yield (% of AC Barrie)		
	Scott	Glaslyn	Melfort	Scott	Glaslyn	Melfort
<b>Bread Wheat</b>						
AC Barrie	4220	5390	6490	100	100	100
CDC Abound	4750	6080	6180	109	109	101
Alvena	4590	5420	6270	102	107	103
Carberry	4700	5860	5900	111 *	109 *	91 *
Fieldstar VB	4550	5750	6030	102	107	97
Glenn	4220	5830	6170	100 *	108 *	95 *
Goodeve VB	4510	5760	5950	101	111	105
KANE	4200	5750	6300	97	100	100
Muchmore	4540	5750	6010	108 *	107 *	93 *
Shaw	4470	5860	6880	106 *	109 *	106 *
Snowstar	4460	6000	6280	102	105	100
Stettler	4940	6070	6600	113 *	113 *	108
Unity VB	4620	6120	6230	109	113	117
Waskada	4590	5540	6320	107	109	109
WR859CL	4360	5450	5830	106 *	105 *	90 *
5602HR	4440	5580	6470	96	111 *	100
5603HR	4750	5210	6570	113 *	97 *	101
<b>Utility Wheat</b>						
AC Andrew	6440	6150	7280	133	123	139
Burnside	5550	5410	6180	109 *	103 *	101 *
Glencross VB	5330	5600	6470	101	111	117
Minnedosa	5140	5730	6870	101 *	112 *	106 *
Sadash	6970	6910	7870	137 *	135 *	121 *
CDN Bison	6180	5890	7370	125 *	112 *	104 *
5702PR	5940	6010	6680	121	119	115

\* Less than 3 years of data

**Table 4.** Yield of Durum Cultivars at Scott and Melfort 2009

Cultivar	2009 Yield (kg/ha)		Long Term Average Yield (% of Strongfield)	
	Scott	Melfort	Scott	Melfort
Strongfield	4270	6720	100	100
AC Avonlea	---	---	97	104
Brigade	4420	7130	101 *	128 *
Enterprise	4350	6820	102 *	102 *
Eurostar	4170	6750	97 *	98 *
CDC Verona	4160	6530	99 *	99 *

\* Less than 3 years of data

**Table 5.** Yield of Oat Cultivars at Scott, Glaslyn and Melfort 2009

Cultivar	2009 Yield (kg/ha)			Long Term Average Yield (% of CDC Dancer)		
	Scott	Glaslyn	Melfort	Scott	Glaslyn	Melfort
CDC Dancer	4650	6100	7940	100	100	100
SW Betania	4450	5780	9050	107	102	116
Hi Fi	4120	5460	8070	97	95	105
Jordan	4620	5540	9600	108	101	123
CDC Minstrel	4300	6300	8070	102	101	106
CDC Pro-Fi	3880	5670	7070	88	85	98
Stainless	3830	5530	6990	98 *	85 *	105 *
Summit	4340	5960	8360	93 *	98 *	105 *
Triactor	4830	6630	10610	112	111	130

\* Less than 3 years of data

**Table 6.** Yield of Barley Cultivars at Scott, Glaslyn and Melfort 2009

Cultivar	2009 Yield (kg/ha)			Long Term Average Yield (% of AC Metcalfe)		
	Scott	Glaslyn	Melfort	Scott	Glaslyn	Melfort
<b>TWO ROW</b>						
AC Metcalfe	4760	7030	6920	100	100	100
Bentley	5120	8100	8100	110 *	111 *	112 *
Busby	5050	7470	7320	106 *	106	106 *
Champion	6040	8390	8750	130	115	117
CDC Austenson	5770	8950	8550	116 *	118 *	117 *
CDC Carter	4740	6760	7220	100 *	96 *	104 *
CDC Coalition	5810	8050	7890	118	113	101
CDC Cowboy	4720	7610	7850	99	99	102
CDC Landis	5300	8000	7590	108 *	111 *	109 *
CDC Meredith	5960	8190	7780	122 *	113 *	107 *
CDC Mindon	4530	7660	6990	106	102	100
CDC Reserve	5340	7770	7890	111 *	108 *	109 *
Major	5730	8200	8210	120 *	117 *	119 *
Merit 16	5240	7810	6960	109 *	107 *	97 *
Merit 57	5530	7990	7810	115 *	109 *	106 *
Norman	4920	7530	7650	102 *	103 *	103 *
<b>SIX ROW</b>						
CDC Clyde	4540	7910	7780	107	106	100
CDC Kamsack	4380	7610	6490	98 *	105 *	92 *
*CDC Mayfair	4460	7950	7990	103 *	106 *	108 *
*Chigwell	5110	8600	8470	110 *	113 *	116 *
*Sundre	---	---	---	120 *	113 *	110 *

\* Less than 3 years of data

**Table 7.** Yield of Flax Cultivars at Scott, Glaslyn and Melfort 2009

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<b>Cultivar</b>	<b>2009 Yield (kg/ha)</b>			<b>Long Term Average Yield (% of CDC Bethune)</b>		
	<b>Scott</b>	<b>Glaslyn</b>	<b>Melfort</b>	<b>Scott</b>	<b>Glaslyn</b>	<b>Melfort</b>
CDC Bethune	2860	2450	2690	100	100	100
CDC Grande	2360	2590	2720	90	92	85
Prairie Thunder	2520	2690	2870	93	96	96
CDC Sorrel	2700	2430	2280	97	97	93

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**Table 8.** Yield of Lentil Cultivars at Scott and Melfort 2009

Cultivar	2009 Yield (kg/ha)		Long Term Average Yield (% of CDC Milestone)	
	Scott	Melfort	Scott	Melfort
<b>Small Green</b>				
CDC Milestone	3230	1570	100	100
CDC Invincible	3400	1780	95 *	116 *
Eston	2930	1970	87	99
<b>Medium Green</b>				
CDC Impress CL	3070	1370	100	100
CDC Imigreen CL	2460	1290	68 *	93 *
CDC Richlea	2980	980	97	96
<b>Large Green</b>				
Laird	2880	1180	83	80
CDC Greenland	3160	1330	90	97
CDC Impower CL	3150	1160	98 *	74 *
CDC Improve CL	2620	1450	86	97
CDC Plato	3390	1370	99	105
<b>French Green</b>				
CDC Peridot CL	3220	1670	99 *	97 *
<b>Extra Small Red</b>				
CDC Impala CL	2970	1790	98	104
CDC Imperial CL	2810	1520	85	93
CDC Redbow	3250	1960	105 *	154 *
CDC Robin	2980	1370	87	99
CDC Rosebud	3170	2220	98 *	158 *
CDC Rosetown	3170	1880	105	131
<b>Small Red</b>				
CDC Imax CL	2840	1410	103 *	82 *
CDC Impact CL	2080	1560	81	102
CDC Maxim CL	3060	2620	103	146
CDC Redberry	3120	2400	103	122
Redcoat	3470	1600	107 *	98 *
<b>Large Red</b>				
CDC KR-1	3590	1680	111 *	107 *

\* Less than 3 years of data



**Table 9.** Yield of Pea Cultivars at Scott, Glaslyn and Melfort 2009

Cultivar	2009 Yield (kg/ha)			Long Term Average Yield (% of Cutlass)		
	Scott	Glaslyn	Melfort	Scott	Glaslyn	Melfort
<b>Yellow</b>						
Cutlass	2370	5340	8460	100	100 *	100
Agassiz	2670	5950	8010	108 *	102 *	106 *
CDC Bronco	1730	4500	6530	84	84 *	92
CDC Golden	2570	5000	7530	109 *	94 *	104
CDC Meadow	2190	5600	8810	96 *	99 *	120
CDC Prosper	2160	5470	7890	91 *	95	107 *
CDC Treasure	2370	5570	8280	100 *	101	108
DS Admiral	2170	5010	8440	91 *	94 *	89 *
Eclipse	1770	2850	7350	90	76	95
Polstead	2840	5460	9060	108 *	96	112
Sorento	1660	3680	7300	70 *	82 *	88 *
Thunderbird	2010	4980	8200	87 *	94	97 *
<b>Green</b>						
CDC Patrick	2540	4470	6580	97 *	89	102 *
CDC Striker	2010	3790	7470	95	85	90
Cooper	2120	5140	8140	99	94	96
<b>Silage</b>						
CDC Leroy	2360	4740	6890	97 *	87	81 *
40-10	1690	3400	4660	71 *	64 *	55 *

\* Less than 3 years of data

**Table 10.** Yield of Argentine Canola Cultivars at Scott and Melfort 2009

Cultivar	Herbicide	2009 Yield (kg/ha) % of 45H21,5020*			
		Scott		Melfort	
30423-7	CF	(3850)	104	(4280)	97
5525 CL	CF		103		104
1651H	CF		92		88
30522-C7	CF		99		104
45H73	CF		99		72
45P70	CF		91		96
5020	LL		99		106
5030	LL		101		111
5440	LL		93		108
5770	LL		106		108
8440	LL		99		106
9590	LL		100		107
PHS07-526	LL		94		105
6020 RR	RR		94		92
6040 RR	RR		97		96
H6087	RR		94		86
1950	RR		87		82
1956	RR		103		100
1852H	RR		97		99
V1037	RR		101		88
30214-C7	RR		100		97
93H01 RR	RR		95		96
71-45 RR	RR		109		93
45H21	RR		101		94
45H26	RR		101		88
45H28	RR		100		96
D3150	RR		91		92
D3151	RR		98		99
Rugby	RR		90		81
9553	RR		88		102
9555	RR		98		94
46P50	RR		99		103

Herbicide ( CF=Clearfield, LL=Liberty Link, RR=Roundup Ready)

\* Average of 45H21 and 5020 = 100