

## FIELD PEAS

Field Pea (Green Seed)		Yield as % of Cooper										
Variety	**Designated Powdery Mildew Resistant	Dawson Creek				Fort St. John				B.C. Peace		
		2011 Yield		2006-2011		2011 Yield		2006-2011		2011	2006-2011	
		bus / acre	% of check	Avg. Stn. (%) Yrs.	Avg. Stn. (%) Yrs.	bus / acre	% of check	Avg. Stn. (%) Yrs.	Avg. Stn. (%) Yrs.	Avg. Stn. (%) Yrs.	Avg. Stn. (%) Yrs.	
CDC Patrick	VG	103 b	95	96 [4]	97 ab	97	102 [4]	96	99 [8]			
<i>CDC Pluto*</i>	VG	118 a	109	109 [1]	96 ab	97	97 [1]	103	103 [2]			
<i>CDC Raezer*</i>	VG	108 ab	100	100 [1]	90 ab	91	91 [1]	95	95 [2]			
CDC Striker	VG	105 ab	97	84 [6]	91 ab	91	99 [6]	94	92 [12]			
<i>CDC Tetris*</i>	VG	110 ab	101	101 [1]	94 ab	95	95 [1]	98	98 [2]			
<b>Cooper</b>	VG	108 ab	100	100 [6]	100 ab	100	100 [6]	100	100 [12]			
Cutlass	VG	118 a	109	99 [4]	106 a	106	107 [4]	108	103 [8]			
Mendel	VG	102 b	95	91 [4]	89 b	89	94 [4]	92	93 [8]			
MP1867 $\Delta$	VG	99 b	92	90 [2]	88 b	88	91 [2]	90	91 [4]			
<i>MP1880*</i> $\Delta$	VG	113 ab	104	104 [1]	95 ab	95	95 [1]	100	99 [2]			
LSD (P=.05) =		8.64				10.08						
CV value (%) =		5.49				7.34						

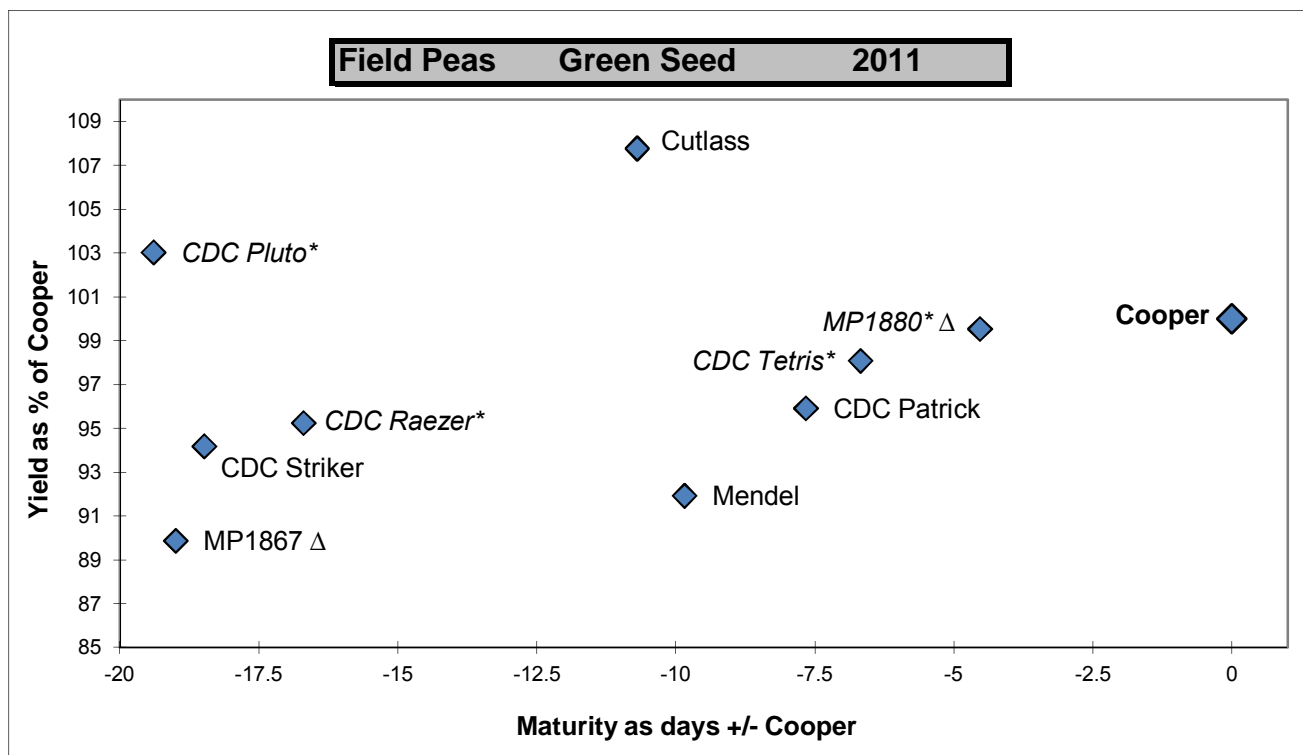
Means followed by the same letter do not significantly differ (P=.05, LSD)

\*\*Powdery Mildew resistance **VG**=Very Good, **F**=Fair, **P**=Poor (data: Alberta Agdex 100/32)

$\Delta$  denotes materials not registered, very limited data available

\* first year tested, very limited data available

Cooper - check variety



Overall average maturity for **Cooper** is 132 days for 2011

Field Pea (Yellow Seed)		Yield as % of Cutlass												
Variety	**Designated	Dawson Creek				Fort St. John				B.C. Peace				
	Powdery	2011 Yield		2006-2011		2011 Yield		2006-2011		2011	2006-2011			
	Mildew	bus /	% of	Avg.	Stn.	bus /	% of	Avg.	Stn.	Avg.	Avg.	Stn.		
	Resistant	acre	check	(%)	Yrs.	acre	check	(%)	Yrs.	(%)	(%)	Yrs.		
Agassiz	VG	122	ab	94	105	[4]	107	a	98	103	[5]	96	104	[9]
APCM97107	VG	111	bc	85	94	[3]	106	a	96	102	[3]	91	98	[6]
Argus	VG	128	ab	98	100	[2]	111	a	101	118	[2]	100	109	[4]
Canstar	VG	126	ab	97	105	[5]	115	a	105	101	[6]	101	103	[11]
CDC Golden	VG	118	abc	91	95	[5]	108	a	98	97	[6]	95	96	[11]
CDC Hornet	VG	118	abc	90	102	[3]	107	a	97	104	[3]	94	103	[6]
CDC Meadow	VG	131	a	101	106	[5]	113	a	103	103	[6]	102	105	[11]
CDC Prosper	VG	126	ab	96	100	[3]	103	a	94	99	[4]	95	99	[7]
CDC Saffron*	VG	119	abc	91	91	[1]	105	a	96	96	[1]	94	94	[2]
CDC Treasure	VG	125	ab	96	99	[3]	110	a	101	102	[4]	98	100	[7]
<b>Cutlass</b>	VG	130	ab	100	100	[5]	110	a	100	100	[6]	100	100	[11]
Earllystar*	VG	132	a	102	102	[1]	112	a	102	102	[1]	102	102	[2]
Hugo	VG	127	ab	97	102	[3]	109	a	99	98	[4]	98	100	[7]
MP1861Δ	VG	114	abc	87	86	[2]	104	a	95	95	[2]	91	91	[4]
MP1864 Δ	VG	122	ab	94	99	[2]	110	a	100	124	[2]	97	112	[4]
MP1882* Δ	VG	117	abc	90	90	[1]	105	a	95	95	[1]	93	93	[2]
Polstead	VG	131	a	101	104	[5]	117	a	106	105	[6]	103	105	[11]
Sorento*	VG	128	ab	98	98	[1]	112	a	102	102	[1]	100	100	[2]
Stella Δ	VG	103	c	79	65	[2]	85	b	77	95	[2]	78	80	[4]
LSD (P=.05) =		11.39				9.95								
CV value (%) =		6.57				6.53								

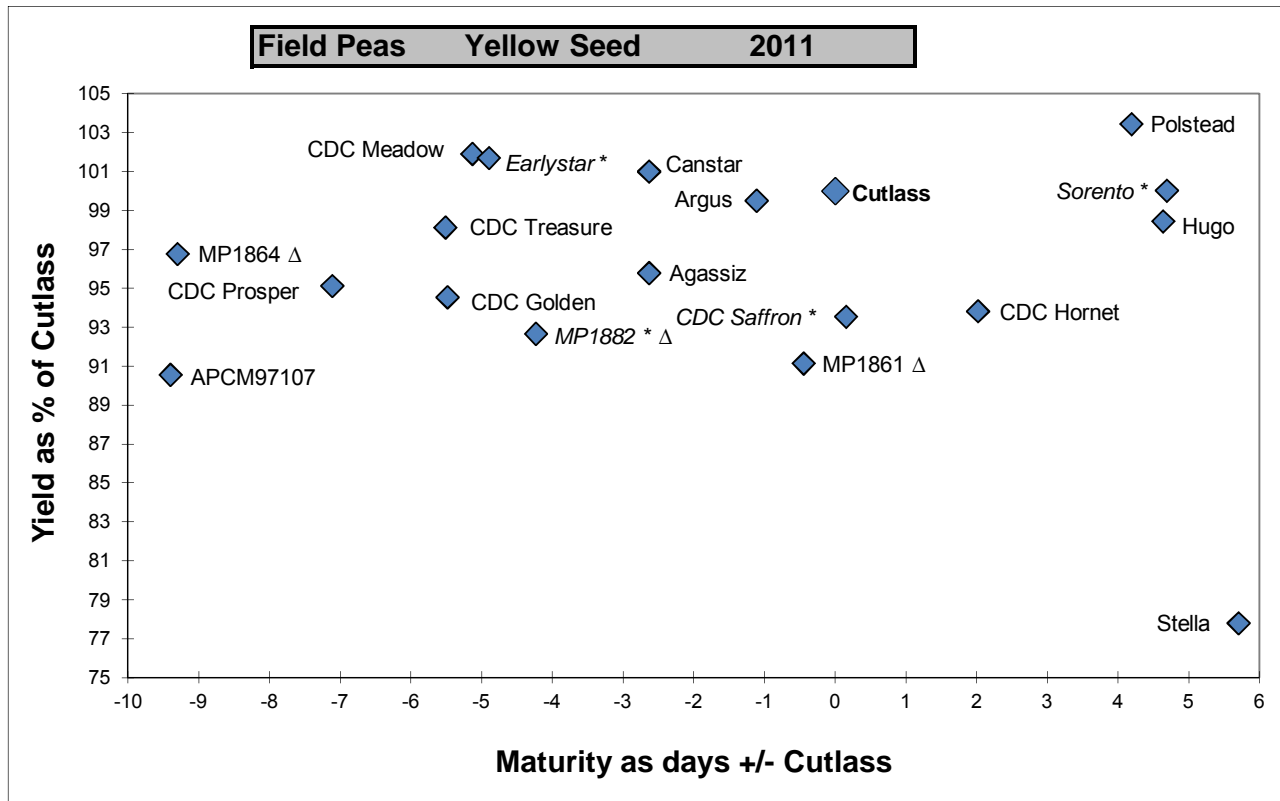
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\*\*Powdery Mildew resistance: VG=Very Good, F=Fair, P=Poor (data: Alberta Agdex 100/32)

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\* first year tested, very limited data available

**Cutlass - check variety**



Average maturity for **Cutlass** is **123** days for **2011**

Field Peas		Variety Descriptions			
BC Peace Averages 2006-2011					
Variety	Maturity	Vine	Lodging	1000 k	Distributor
	as days	Length			
	+/- check	cm	1-9**		
<b><u>Yellow Seed</u></b>					
■ Agassiz	-0.8	71	2	243	Canterra Seeds
APCM97107	-5.8	75	9	250	DL Seeds
■ Argus	-0.5	75	0	238	SeCan
■ Canstar	-1.0	70	2	263	Canseed (Canada) Ltd.
CDC Golden	-3.2	68	1	231	Sask Pulse Growers
CDC Hornet	2.1	70	1	234	Sask Pulse Growers
CDC Meadow	-2.4	74	2	223	Sask Pulse Growers
CDC Prosper	-3.7	63	1	160	Sask Pulse Growers
<i>CDC Saffron*</i>	0.2	95	0	287	Sask Pulse Growers
CDC Treasure	-3.2	74	1	227	Sask Pulse Growers
<b>Cutlass</b>	0.0	66	3	240	Sask Pulse Growers
■ <i>Earlystar*</i>	-4.9	114	0	240	Canterra Seeds
■ Hugo	2.4	51	2	241	FP Genetics
MP1861 Δ	-1.0	64	0	292	AAFC-Lacombe
MP1864 Δ	-4.5	78	0	229	Hadland Seed Farms
<i>MP1882*</i> Δ	-4.2	86	0	253	AAFC-Lacombe
■ Polstead	2.3	56	2	273	FP Genetics
■ <i>Sorento*</i>	4.7	93	0	260	FP Genetics
■ Stella Δ	4.8	85	0	247	Alliance Seeds Corp.
<b><u>Green Seed</u></b>					
CDC Patrick	-4.4	70	1	201	Sask Pulse Growers
<i>CDC Pluto*</i>	-19.4	101	0	188	Sask Pulse Growers
<i>CDC Raezer*</i>	-16.7	105	0	244	Sask Pulse Growers
CDC Striker	-10.6	67	1	245	Sask Pulse Growers
<i>CDC Tetris*</i>	-6.7	112	0	251	Sask Pulse Growers
■ <b>Cooper</b>	0.0	66	2	292	Canterra Seeds
Cutlass	-7.4	62	2	237	Sask Pulse Growers
■ Mendel	-5.2	75	1	244	FP Genetics
MP1867 Δ	-10.4	79	0	240	AAFC-Lacombe
<i>MP1880*</i> Δ	-4.5	80	0	294	AAFC-Lacombe

Some varieties may not be suitable for the human consumption market. Producers should contact their intended buyer/processor before seeding to ensure the marketability of specific varieties. Many green seeded varieties will bleach if exposed to periods of wetting and drying in the field near harvest. Uncleaned and damaged seed is considered to be low quality and is only suitable for the feed market. The amount of seed coat damage suffered during harvest varies with variety. Splitting may be reduced if peas are harvested tough ( 20% moisture ) & dried slowly in an aeration bin.

Lodging data is becoming important criteria when selecting peas for our area, as peas still standing at harvest stand a better chance of escaping ecretia contamination from large wildlife, especially if harvested as direct-cut. Note that due to variability of lodging, numbers averaged tend to be lower than can occur in a given year.

Overall average maturity for **Cutlass** is **100** days, and **107** days for **Cooper**

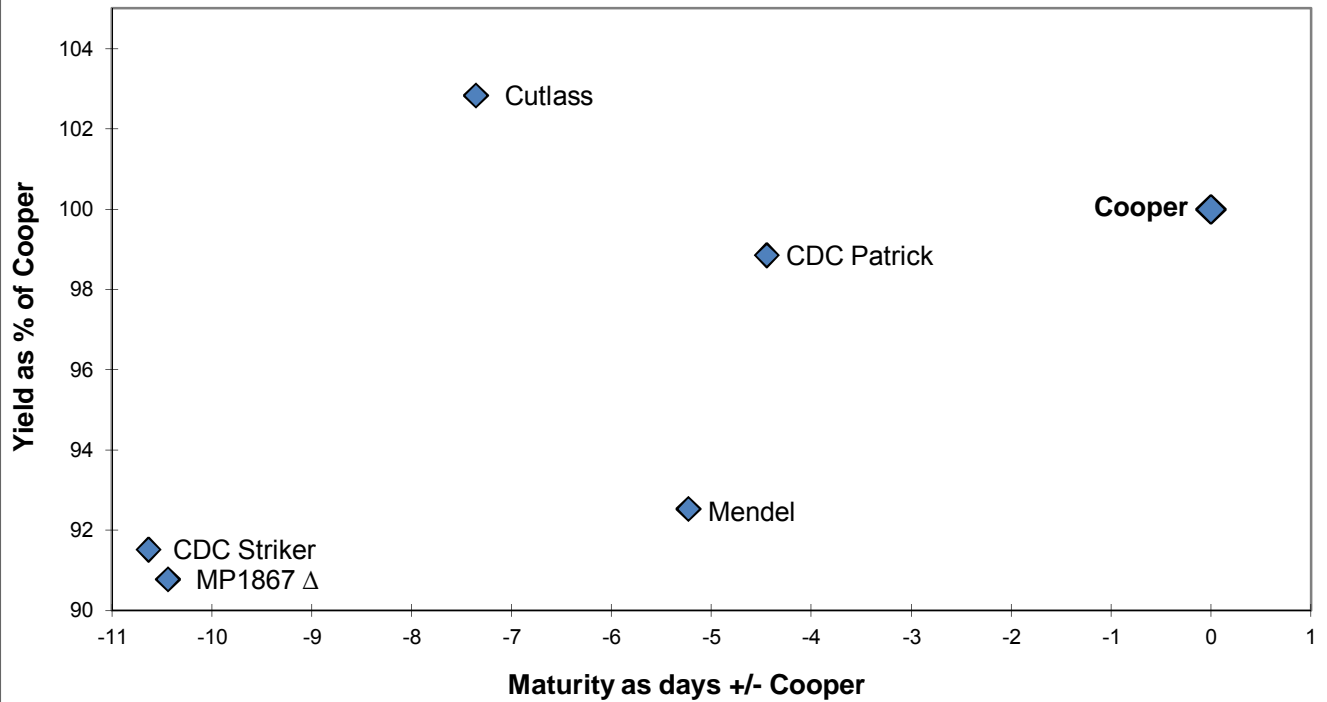
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\* first year tested, very limited data available

\*\* 1 - 9 scale; 1 = none, 9 = 100% affected

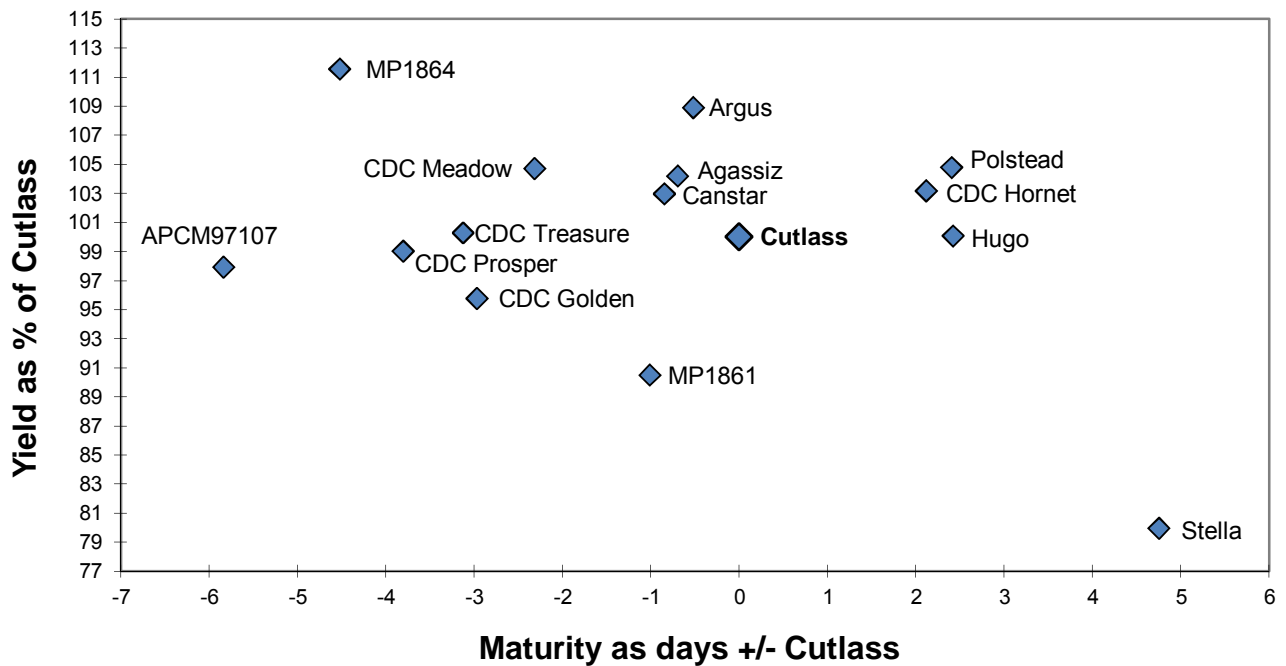
**Field Peas Green Seed 2006-2011**



Overall average maturity for **Cooper** is **107** days for **2011**

△ denotes materials not registered

**Field Peas Yellow Seed 2006-2011**



Overall average maturity for **Cutlass** is **100** days for **2011**