

Field Pea (Green Seed)		Yield as % of Nitouche **										
Variety	Designated	Dawson Creek				Fort St. John				B.C. Peace		
	Powdery	2001 Yield		1999-2001		2001 Yield		1999-2001		2001	1999-2001	
	Mildew Resistant	bus / acre	% of check	Avg. (%)	Stn. Yrs.	bus / acre	% of check	Avg. (%)	Stn. Yrs.	Avg. (%)	Avg. (%)	Stn. Yrs.
AP9540-43 *		86 bc	103	103	[1]	85 ab	103	103	[1]	103	103	[2]
Bluebird *	yes	73 fg	88	88	[1]	65 fg	79	79	[1]	83	83	[2]
CASCADE		78 c-g	93	100	[2]	74 cde	90	90	[1]	91	95	[3]
CDC MONTERO	yes	53 i	63	63	[1]	60 g	72	72	[1]	68	68	[2]
CEB1171 *	yes	71 gh	85	85	[1]	67 efg	81	81	[1]	83	83	[2]
DS DOMINATOR *	yes	17 j	21	21	[1]	42 h	51	52	[2]	36	37	[3]
ESPACE		76 efg	91	94	[2]	78 bcd	94	110	[3]	93	102	[5]
FABIA *		100 a	119	119	[1]	85 ab	103	103	[1]	111	111	[2]
LOGAN		64 h	77	77	[1]	81 abc	99	98	[2]	88	87	[3]
M98 *		80 c-f	96	96	[1]	86 a	104	104	[1]	100	100	[2]
MILLENNIUM		92 ab	110	110	[1]	84 ab	102	112	[2]	106	111	[3]
NITOUCHE		84 b-e	100	100	[2]	83 ab	100	100	[3]	100	100	[5]
SCUBA		77 d-g	92	88	[2]	72 def	87	99	[3]	89	94	[5]
SW PARADE	yes	72 gh	86	93	[2]	72 def	87	98	[3]	87	95	[5]
TOLEDO		85 bcd	102	99	[2]	82 ab	100	99	[3]	101	99	[5]
VENTURE		84 b-e	100	100	[1]	78 bcd	94	96	[2]	97	98	[3]
	LSD (P=.05) =	8.482				8.167						
	CV value (%) =	7.97				6.57						
<u>Most recent varieties not tested in 2001 (Averages 1999-2000)</u>						<u>Last Year Tested</u>						
AC ADVANTAGE	yes					87	[1]	(2000)	87	[1]		
ADAGIO		110 [1]				116	[2]	(2000)	113	[3]		
PEKISKO		95 [1]				103	[1]	(2000)	99	[2]		

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

Note: Powdery Mildew ratings (see "Descriptions"), do not always agree with designated PM resistance, which raises concerns. Where the strains experienced in the South Peace in 2001 a different tougher strain of powdery mildew? Only the South Peace (Dawson Creek site) had powdery mildew present in

****New check variety as of 2001.** Historical Data has been updated to reflect this change as of 1999. See Page 32 for more extensive listing of varieties no longer tested.

* first year tested, very limited data available.

NITOUCHE - check variety

Field Peas		Variety Descriptions							
		B.C.Peace Averages 1996-2001			Averages 1997-2001		DC Site 2001 0-9 scale (0=nil)**		Distributor
Variety	Days to Mature	Height cm	Lodging 0-9(flat)	1000 k grams	Protein %	Mycos- phaerella Blight	Powdery Mildew		
Yellow Seed									
	BADMINTON	116	64	5	266	26.1	5.0	2.0	West-Sun
<input type="checkbox"/>	BRAVO	110	67	2	254	27.0	3.5	2.4	Agricore United
<input checked="" type="checkbox"/>	CARRERA	108	53	4	271	26.7	5.5	2.1	Canseed
	CDC MINUET	118	81	4	194	26.5	3.7	0.0	CDC Saskatoon
	CEB 1484*	119	78	3	243	25.5	3.7	1.0	St. Denis
	CEB 1489*	116	65	6	261	26.2	4.5	1.0	Canterra
	COBRA	109	68	3	240	26.5	3.7	3.0	Canterra
<input checked="" type="checkbox"/>	DELTA	106	60	2	249	27.3	5.0	3.0	Quality Assured
	DS ADMIRAL *	116	86	3	245	26.6	3.0	0.3	Quality Assured
	DS STALWARTH	114	80	3	235	26.0	4.5	1.9	SeCan
	ECLIPSE	119	79	2	248	22.9	4.0	0.5	Quality Assured
<input checked="" type="checkbox"/>	INTEGRA	106	68	2	278	26.5	3.0	1.7	St. Denis
<input type="checkbox"/>	MIAMI	106	66	2	244	26.4	3.3	4.7	Quality Assured
<input type="checkbox"/>	NICOLE	106	44	4	273	26.3	5.3	2.3	Quality Assured
	SW Cabaret*	118	79	1	214	25.5	3.5	1.4	Canterra
	SW Salute *	117	87	5	224	26.2	4.3	0.0	Newfield
<input checked="" type="checkbox"/>	SWING	107	64	3	251	26.3	4.0	3.6	Canseed
CARRERA - check variety									
Green Seed									
	AP9540-43 *	112	78	2	220	27.1	3.0	3.5	Agricore United
	Bluebird *	113	59	5	249	26.2	5.3	0.3	
	CASCADE	117	79	3	228	27.2	4.0	4.5	Canterra
	CDC MONTERO	117	76	5	206	27.0	4.0	3.0	CDC Saskatoon
	CEB1171 *	116	69	5	264	27.2	5.7	2.3	Canterra
	DS DOMINATOR	120	72	2	209	24.9	3.3	0.0	Quality Assured
<input checked="" type="checkbox"/>	ESPACE	111	63	2	233	25.7	3.7	5.3	St. Denis
	FABIA *	116	81	2	245	26.1	3.7	5.3	
	LOGAN	115	80	1	193	27.0	3.5	3.5	Agricore United
	M98 *	111	67	2	260	27.3	3.7	3.3	Terramax
<input type="checkbox"/>	MILLENIUM	121	59	3	269	27.3	4.3	3.7	Terramax
<input checked="" type="checkbox"/>	NITOUCHE	109	68	2	276	27.3	5.0	6.0	Canseed
<input type="checkbox"/>	SCUBA	110	68	2	231	26.4	4.0	4.0	Quality Assured
<input type="checkbox"/>	SW PARADE	111	64	4	203	26.7	4.0	2.7	Sask Pool
<input checked="" type="checkbox"/>	TOLEDO	108	65	2	279	26.7	4.7	3.3	Canterra
<input type="checkbox"/>	VENTURE	120	76	3	229	26.3	5.0	4.5	Johnson Seeds
NITOUCHE - check variety									

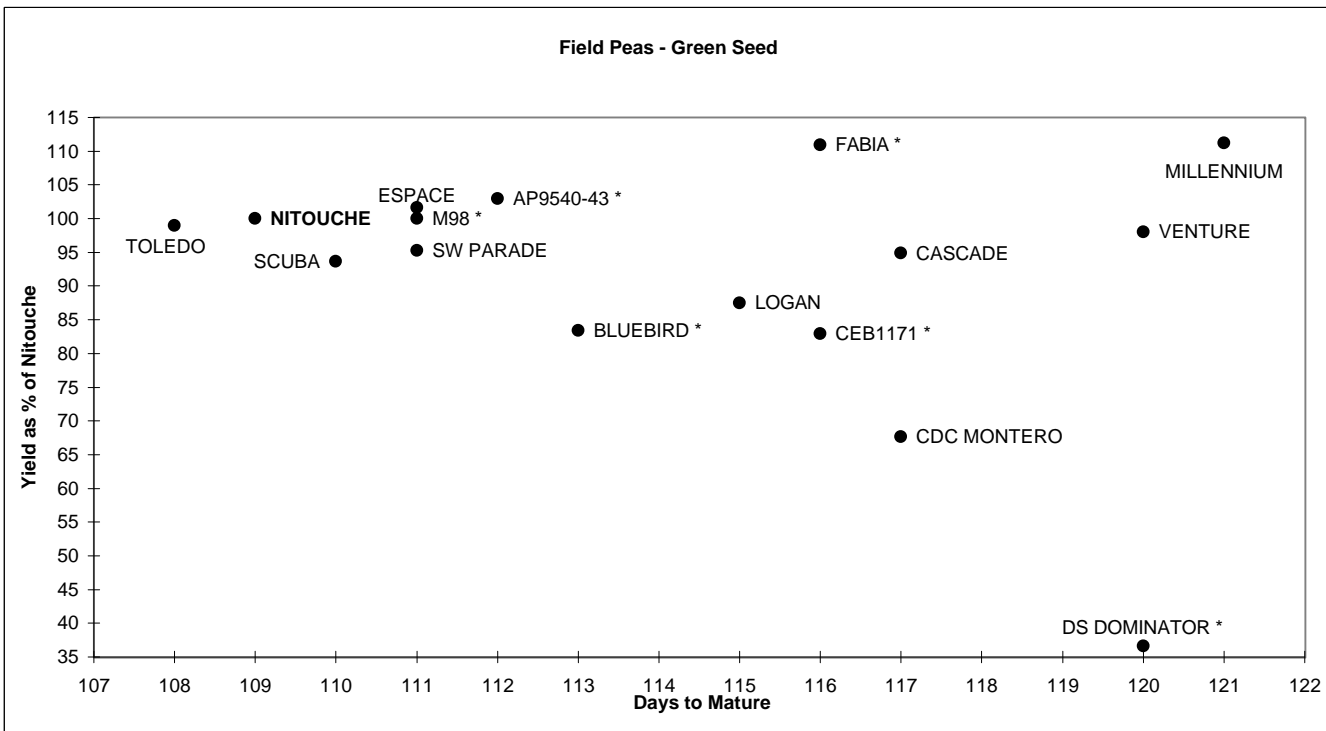
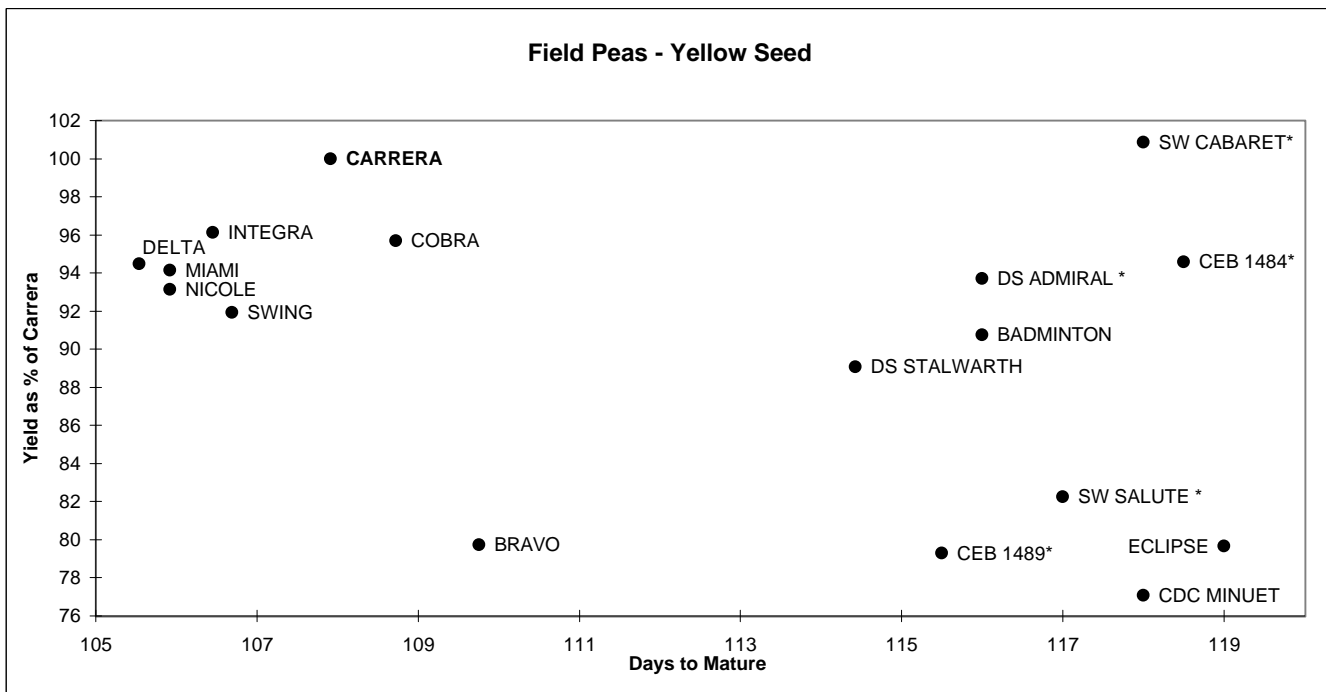
* first year tested, very limited data available

** 0 - 9 scale; 0 = none, 9 = 100% affected

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, 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 will vary with variety. Seed splitting may be reduced if the peas are harvested tough (20% moisture) and dried slowly in an aeration bin.

Field Pea Varieties not tested in 2001						Yield as % of Carneval (on this page only)						
Variety	Dawson Creek		Fort St. John		B.C.Peace		Days to Mature	Height cm	1000 k grams	Lodging 1-9 (flat)	Distributor	
	1992-2000		1992-2000		1992-2000							
	Average Yield	Stn.Yrs	Average Yield	Stn.Yrs	Average Yield	Stn.Yrs						
Varieties not tested in 2001						Last Year Tested						
4-0409-027	110	[1]	117	[2]	(2000)	114	[3]	101	57	230	2	Agriprogress
AC ADVANTAGE (g)	79	[1]	89	[1]	(2000)	84	[3]	106	45	240	5	SeCan
AC MELFORT	81	[1]	102	[3]	(2000)	91	[4]	105	40	208	4	Canterra
ADAGIO (g)	119	[1]	117	[3]	(2000)	118	[4]	103	51	250	4	Performance
ALFETTA	112	[1]	112	[3]	(2000)	112	[4]	102	59	332	2	Performance
ASTINA (g)	104	[1]	96	[2]	(1999)	100	[3]	102	50	245	2	Canseed
BACCARA	105	[1]	111	[3]	(2000)	108	[4]	101	46	292	3	St. Denis Seed Farm
BARONESS	108	[4]	119	[3]	(1996)	114	[7]	109	92	309	4	Columbia Seed
CANIS			106	[2]	(1998)	106	[2]	105	67	216	2	Svalof Weibull
CARNEVAL	100	[2]	100	[4]	(2000)	100	[6]	102	68	227	2	Agricore United
CDC HANDEL	107	[1]	107	[2]	(2000)	107	[3]	103	54	192	3	CDC
CDC MOZART	106	[1]	133	[2]	(2000)	120	[3]	103	49	230	4	CDC
CDC WINFIELD	100	[1]	100	[1]	(1997)	100	[2]	109	66	282	6	SeCan
CELESTE	94	[3]	100	[3]	(1995)	97	[6]	101	72	271	6	Agricore
COLUMBA (g)	104	[1]	97	[2]	(1999)	101	[3]	103	56	237	3	Advanta
CPB CONCORDE	84	[2]	94	[2]	(1997)	89	[4]	97	56	296	9	CPB Canada
CPB PHANTOM (g)	107	[2]	90	[3]	(1998)	98	[5]	103	59	328	5	CPB Canada
CROMA	90	[1]	114	[3]	(2000)	102	[4]	102	43	288	3	Canterra
DISCOVERY	103	[2]	106	[2]	(1997)	104	[4]	104	80	333	6	Bonis & Co.
EIFFEL	107	[1]	92	[2]	(1998)	100	[3]	104	72	313	3	Agriprogress
EXPLORER (g)			100	[2]	(1998)	100	[2]	105	71	275	5	Svalof Weibull
EXPRESS	104	[3]	114	[3]	(1995)	109	[6]	111	83	237	7	Bonis & Co.
FLUO	92	[3]	113	[3]	(1995)	103	[6]	102	65	335	4	Columbia Seed
GRANDE	108	[3]	128	[3]	(1997)	118	[6]	107	91	266	7	Bonis & Co.
HIGHLIGHT	101	[3]	98	[3]	(1995)	100	[6]	108	85	219	4	Bonis & Co.
INTEGRA	103	[1]	98	[1]	(1999)	100	[2]	101	52	231	2	St. Denis Seed Farm
KEOMA (g)	102	[4]	103	[4]	(1998)	102	[8]	101	68	233	5	Agricore United
MAJORET (g)	96	[3]	93	[3]	(1997)	94	[6]	106	85	270	2	Bonis & Co.
MANDY	99	[1]	95	[1]	(1997)	97	[2]	106	76	313	5	Terramax Holdings
MARCO	102	[1]	97	[1]	(1997)	100	[2]	104	68	280	3	Bonis & Co.
MONTANA	99	[4]	118	[3]	(1996)	109	[7]	101	60	314	4	Canseed
MUSTANG	97	[2]	94	[2]	(1997)	95	[4]	100	79	218	6	Brett-Young Seeds
OLIVIN (g)	98	[1]	85	[1]	(1997)	91	[2]	107	86	322	8	Terramax Holdings
PEKISKO (g)	102	[1]	95	[3]	(2000)	99	[4]	96	55	171	2	Agricore United
PROFI	96	[2]	85	[2]	(1997)	91	[4]	100	80	281	6	SeCan
SW 955180			100	[1]	(2000)	100	[1]		80	273		
TENOR	101	[1]	94	[1]	(1997)	97	[2]	107	86	294	5	Agriprogress
TOTEM (g)	99	[2]	99	[2]	(1997)	99	[4]	106	68	263	8	Bonis & Co.
YORKTON	101	[2]	95	[2]	(1997)	98	[4]	107	85	272	7	Bonis & Co.

(g) green seed



Properly inoculated peas grown in a rotation with other crops can offer considerable benefits. Crops following peas require less added nitrogen and benefit from improved soil tilth. Peas do not grow well in wet poorly drained soils. However, pea plants that are well inoculated and carry an abundance of active nodules can withstand wetter than normal field conditions. Due to large differences in seed size between varieties, seeding rates can vary from 180 lbs/acre to 300 lbs/acre. You must consider the 1000 kernel weight of your seed lot, percent germination of the seed, seed vigour and the soil condition at the time of planting, See page 3 on how to calculate seeding rates.