

FIELD PEAS

Field Pea		Yield as % of Carneval										
<u>YELLOW SEED</u>												
Variety	**Designated	Dawson Creek				Fort St. John				B.C. Peace		
	Powdery	2002 Yield		1997-2002		2002 Yield		1997-2002		2002	1997-2002	
	Mildew	bus /	% of	Avg.	Stn.	bus /	% of	Avg.	Stn.	Avg.	Avg.	Stn.
	Resistant	acre	check	(%)	Yrs.	acre	check	(%)	Yrs.	(%)	(%)	Yrs.
ALFETTA		41 e	72	92	[2]	42 bcd	103	110	[4]	87	101	[6]
BADMINTON		49 b-e	87	87	[1]	37 d	89	107	[2]	88	97	[3]
CARNEVAL		56 ab	100	100	[3]	41 bcd	100	100	[5]	100	100	[8]
CARRERA		54 abc	95	104	[3]	45 a-d	108	113	[5]	102	108	[8]
CROMA		53 a-d	93	92	[2]	38 cd	93	109	[4]	93	100	[6]
DELTA		45 cde	79	87	[2]	44 bcd	107	117	[4]	93	102	[6]
DS ADMIRAL	yes	48 b-e	84	84	[1]	42 bcd	101	101	[1]	93	93	[2]
DS STALWARTH	yes	55 ab	97	95	[2]	40 cd	98	106	[3]	97	100	[5]
ECLIPSE	yes	59 a	105	105	[1]	47 abc	114	122	[2]	109	114	[3]
MARIBU (CEB 1484)		44 de	77	77	[1]	43 bcd	105	105	[1]	91	91	[2]
SABRE*		56 ab	100	100	[1]	37 d	89	89	[1]	94	94	[2]
SW BRAVO		49 b-e	86	86	[2]	44 a-d	107	105	[4]	97	95	[6]
SW CAPRI*		43 de	77	77	[1]	43 bcd	104	104	[1]	90	90	[2]
SW CIRCUS*		49 b-e	86	86	[1]	45 a-d	108	108	[1]	97	97	[2]
SW SALUTE		57 ab	100	100	[1]	51 ab	123	123	[1]	112	112	[2]
SWING		49 b-e	86	94	[2]	54 a	130	111	[4]	108	102	[6]
^TOPEKA (CEB 1489)	yes	48 b-e	86	86	[1]	42 bcd	101	101	[1]	93	93	[2]
	LSD (P=.05) =	10.05				9.60						
	CV value (%) =	14.02				15.55						
<u>GREEN SEED</u>												
Variety	**Designated	Dawson Creek				Fort St. John				B.C. Peace		
	Powdery	2002 Yield		1997-2002		2002 Yield		1997-2002		2002	1997-2002	
	Mildew	bus /	% of	Avg.	Stn.	bus /	% of	Avg.	Stn.	Avg.	Avg.	Stn.
	Resistant	acre	check	(%)	Yrs.	acre	check	(%)	Yrs.	(%)	(%)	Yrs.
AP9540-43		53 abc	103	103	[1]	45 a	104	104	[1]	103	103	[2]
BLUEBIRD	yes	45 bc	88	88	[1]	38 ab	88	88	[1]	88	88	[2]
CARNEVAL		51 abc	100	100	[3]	43 a	100	100	[5]	100	100	[8]
CRUISER*		51 bc	100	100	[1]	45 a	103.3	103	[1]	101	101	[2]
ESPACE		55 abc	107	106	[2]	46 a	107	116	[4]	107	111	[6]
FABIA		52 abc	102	102	[1]	45 a	104	104	[1]	103	103	[2]
LOGAN		57 ab	110	110	[1]	41 ab	94	106	[2]	102	108	[3]
MADOC*		53 abc	103	103	[1]	45 a	104	104	[1]	104	104	[2]
MILLENNIUM		51 bc	99	99	[1]	41 ab	95	121	[2]	97	110	[3]
NITOCHE		52 abc	101	104	[2]	42 ab	96	101	[3]	99	103	[5]
^STRATUS (CEB1171)	yes	64 a	124	124	[1]	35 b	82	82	[1]	103	103	[2]
TOLEDO		43 c	84	94	[2]	34 b	79	95	[3]	82	94	[5]
	LSD (P=.05) =	12.59				7.89						
	CV value (%) =	17.03				13.01						

Means followed by the same letter do not significantly differ (P=.05, LSD) ^ proposed name
 * first year tested, very limited data available **Powdery Mildew resistance (data: SEED MANITOBA 2003)

Research from Beaverlodge Research Station, Alberta, has shown that in Peace Country soils, granular inoculant gives improved performance as compared to other forms of inoculant, while soils are under environmental stress. Such stresses to be considered are soils that are too wet, too dry, or under low pH.

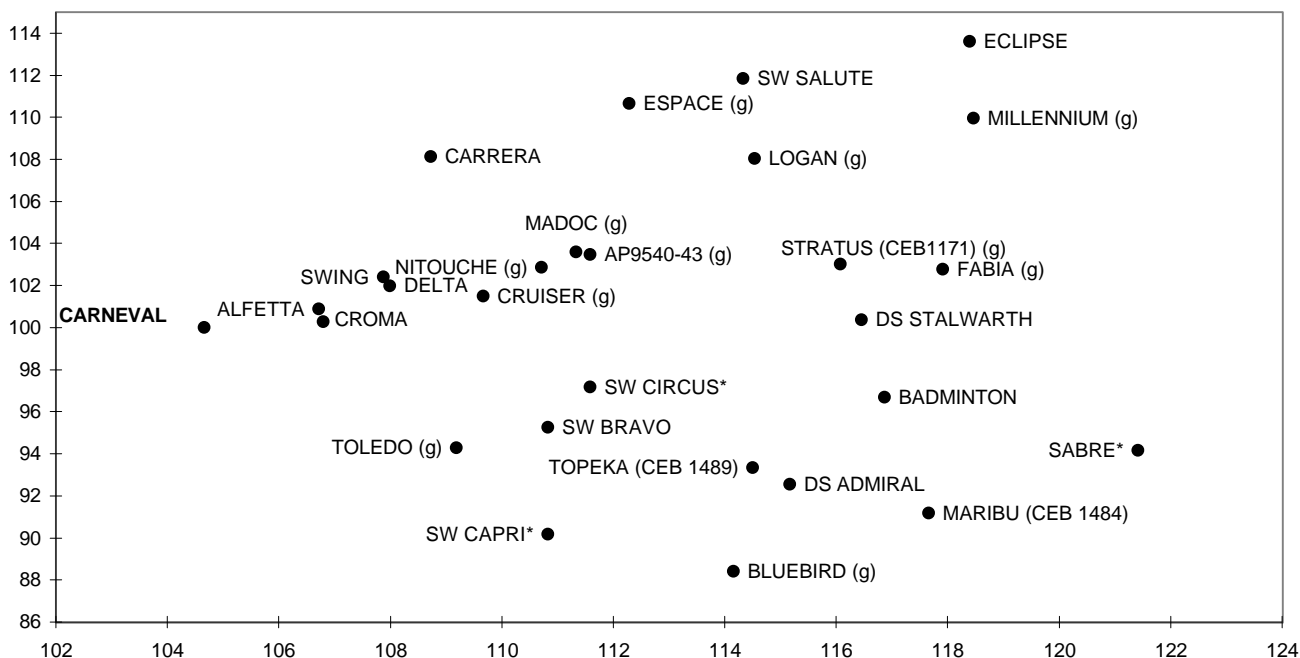
Field Pea Varieties not tested in 2002

Yield as % of Carneval

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												
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
ASTINA (g)	104	[1]	96	[2]	(1999)	100	[3]	102	50	245	2	Canseed
CANIS			106	[2]	(1998)	106	[2]	105	67	216	2	Svalof Weibull
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
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
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.
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.
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
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

Field Peas - % of Carneval



Field Peas			Variety Descriptions						
Variety	B.C.Peace Averages			1997-		DC Site 2001-2002			Distributor
	Days to Mature	1996-2002		2002	2001	0-9 scale (0=nil)**			
		Height cm	Lodging 0-9(flat)	1000 k grams	Protein %	Mycos-phaerella Blight	Powdery Mildew		
Yellow Seed									
■ ALFETTA	107	55	2	331		2.0	2.0	Quality Assured	
BADMINTON	117	59	4	279	26.1	3.8	3.7	West-Sun	
■ CARNEVAL	104	68	2	233		1.0	2.7	Bonis & Co	
■ CARRERA	109	52	3	282	26.7	3.8	3.6	Canseed	
■ CROMA	107	44	3	309		2.3	5.2	Canterra	
■ DELTA	108	59	2	257	27.3	3.5	2.7	Quality Assured	
□ DS ADMIRAL	115	78	2	261	26.6	2.0	0.2	Agriprogress	
DS STALWARTH	116	77	2	249	26.0	2.8	0.9	Agriprogress	
■ ECLIPSE	118	72	2	266	22.9	2.8	0.2	Quality Assured	
□ MARIBU (CEB 1484)	118	73	2	283	25.5	2.5	2.3	St. Denis	
SABRE*	121	63	1	273		1.0	0.0		
■ SW BRAVO	111	67	1	266	27.0	2.6	3.4	Agricore United	
□ SW CAPRI*	111	65	0	243		2.3	2.8	Bonis & Co	
□ SW CIRCUS*	112	67	0	266		2.0	2.7	Bonis & Co	
□ SW SALUTE	114	79	3	245	26.2	2.7	0.0	Bonis & Co	
■ SWING	108	63	3	262	26.3	2.8	3.7	Canseed	
□ TOPEKA (CEB 1489)	115	60	5	293	26.2	2.8	0.5	Canterra	
Green Seed									
■ AP9540-43	112	72	1	232	26.2	2.7	3.0	Agricore United	
□ BLUEBIRD	114	55	3	275	26.2	3.2	0.2	St. Denis	
■ CARNEVAL	105	68	2	234		1.0	1.7	Bonis & Co	
CRUISER	110	59	0	248		1.7	2.5	Canterra	
■ ESPACE	112	63	2	243	25.7	2.3	4.6	St. Denis	
FABIA	118	75	1	256	26.1	2.3	4.3	St. Denis	
LOGAN	115	73	1	201	27.0	2.3	2.9	Agricore United	
■ MADOC	111	52	0	302		1.0	1.8	Terramax	
■ MILLENNIUM	118	51	2	280	27.3	3.2	2.8	Terramax	
■ NITOUCHE	111	68	2	285	27.3	3.5	4.5	Canseed	
□ STRATUS (CEB1171)	116	57	4	290	27.2	4.2	1.2	Canterra	
■ TOLEDO	109	65	2	293	26.7	3.3	2.6	Canterra	
Varieties not tested in 2002 (Averages 1997-2001)									
CDC MINUET	118	81	4	194	26.5	3.7	0.0	CDC Saskatoon	
COBRA	109	68	3	240	26.5	3.7	3.0	Canterra	
■ INTEGRA	106	68	2	278	26.5	3.0	1.7	St. Denis	
■ MIAMI	106	66	2	244	26.4	3.3	4.7	Quality Assured	
■ NICOLE	106	44	4	273	26.3	5.3	2.3	Quality Assured	
CASCADE (g)	117	79	3	228	27.2	4.0	4.5	Canterra	
CDC MONTERO(g)	117	76	5	206	27.0	4.0	3.0	CDC Saskatoon	
□ DS DOMINATOR(g)	120	72	2	209	24.9	3.3	0.0	Quality Assured	
M98 * (g)	111	67	2	260	27.3	3.7	3.3	Terramax	
■ SCUBA (g)	110	68	2	231	26.4	4.0	4.0	Quality Assured	
SW Cabaret*	118	79	1	214	25.5	3.5	1.4	Canterra	
■ SW PARADE	111	64	4	203	26.7	4.0	2.7	Sask Pool	
□ VENTURE (g)	120	76	3	229	26.3	5.0	4.5	Johnson Seeds	

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 varies with variety. Splitting may be reduced if peas are harvested tough (20% moisture) & dried slowly in an aeration bin.

□ Protection under Plant Breeders' Rights applied for

■ Protected by Plant Breeders' Rights

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

* first year tested, very limited data available

Field Pea (Yellow Seed)

Yield as % of Carrera **

Variety	***Designated Powdery Mildew Resistant	Dawson Creek				Fort St. John				B.C. Peace		
		2002 Yield		1999-2002		2002 Yield		1999-2002		2002	1999-2002	
		bus /	% of	Avg.	Stn.	bus /	% of	Avg.	Stn.	Avg.	Avg.	Stn.
		acre	check	(%)	Yrs.	acre	check	(%)	Yrs.	(%)	(%)	Yrs.
ALFETTA		41 e	75	75	[1]	42 bcd	95	100	[1]	85	88	[2]
BADMINTON		49 b-e	91	89	[2]	37 d	83	91	[3]	87	90	[5]
CARNEVAL		56 ab	105	99	[1]	41 bcd	93	85	[1]	99	92	[2]
CARRERA		54 abc	100	100	[3]	45 a-d	100	100	[4]	100	100	[7]
CROMA		53 a-d	98	91	[1]	38 cd	86	96	[1]	92	93	[2]
DELTA		45 cde	83	88	[3]	44 bcd	99	98	[4]	91	93	[7]
DS ADMIRAL	yes	48 b-e	88	90	[2]	42 bcd	94	94	[2]	91	92	[4]
DS STALWARTH	yes	55 ab	102	93	[2]	40 cd	91	92	[3]	96	93	[5]
ECLIPSE	yes	59 a	110	92	[2]	47 abc	105	92	[3]	108	92	[5]
MARIBU (CEB 1484)		44 de	81	87	[2]	43 bcd	97	97	[2]	89	92	[4]
SABRE*		56 ab	104	104	[1]	37 d	82	82	[1]	93	93	[2]
SW BRAVO		49 b-e	90	81	[3]	44 a-d	99	87	[4]	95	84	[7]
SW CAPRI*		43 de	80	80	[1]	43 bcd	96	96	[1]	88	88	[2]
SW CIRCUS*		49 b-e	90	90	[1]	45 a-d	100	100	[1]	95	95	[2]
SW SALUTE		57 ab	105	94	[2]	51 ab	114	98	[2]	110	96	[4]
SWING		49 b-e	91	93	[3]	54 a	121	97	[4]	106	95	[7]
^TOPEKA (CEB 1489)	yes	48 b-e	90	88	[2]	42 bcd	94	83	[2]	92	86	[4]
LSD (P=.05) =		10.05				9.60						
CV value (%) =		14.02				15.55						

Varieties not tested in 2002 (Averages 1999-2001)

Last Year Tested

4-0409-027			103	[1]	95	[2]	(2000)	99	[3]
AC MELFORT	yes		75	[1]	77	[2]	(2000)	76	[3]
BACCARA			98	[1]	98	[2]	(2000)	98	[3]
CDC HANDEL	yes				88	[1]	(2000)	88	[1]
CDC MINUET (CDC 9805)	yes		72	[1]	82	[2]	(2001)	77	[3]
CDC MOZART	yes				112	[1]	(2000)	112	[1]
COBRA			96	[2]	95	[3]	(2001)	96	[5]
INTEGRA			97	[2]	95	[3]	(2001)	96	[5]
MIAMI			94	[2]	95	[3]	(2001)	94	[5]
NICOLE			94	[2]	92	[3]	(2001)	93	[5]
SW 955180 *					79	[1]	(2000)	79	[1]
SW Cabaret*			95	[1]	107	[1]	(2001)	101	[2]

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

* first year tested, very limited data available.

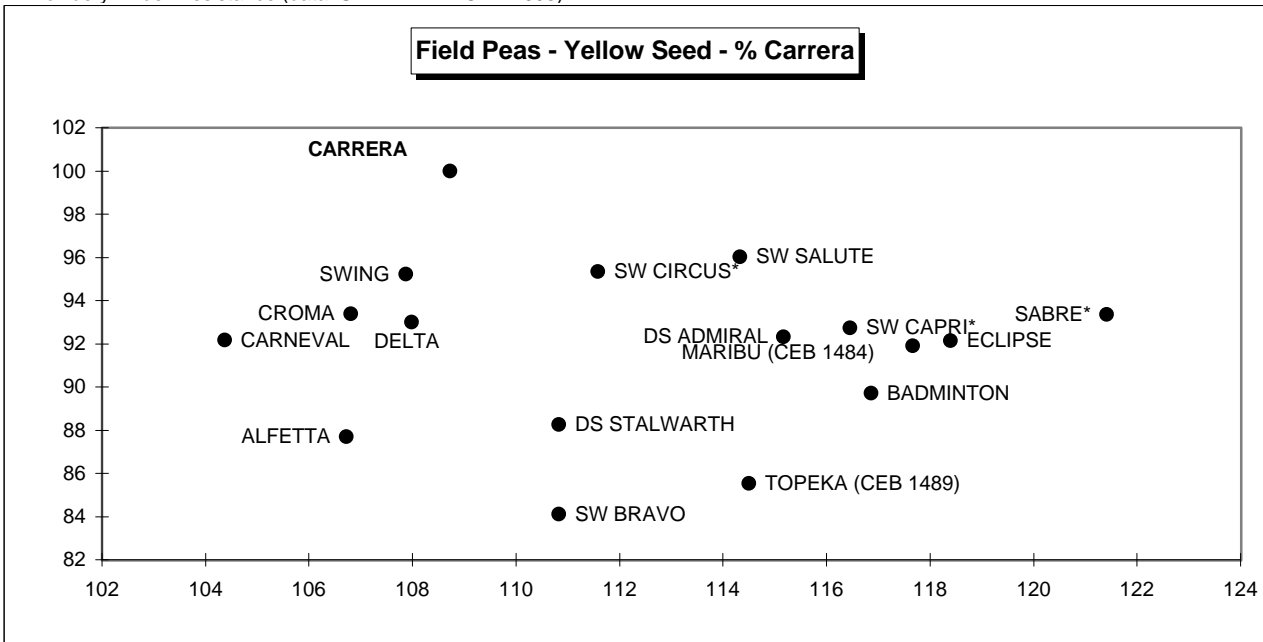
**New check variety as of 2001. Historical data on this page has been updated to reflect this change.

^ Proposed name

See Page 30 for more extensive listing of varieties no longer tested as compared against Carneval.

CARRERA - check variety

***Powdery Mildew resistance (data: SEED MANITOBA 2003)



Field Pea (Green Seed)		Yield as % of Nitouche **										
Variety	***Designated	Dawson Creek				Fort St. John				B.C. Peace		
	Powdery	2002 Yield		1999-2002		2002 Yield		1999-2002		2002	1999-2002	
	Mildew Resistant	bus / acre	% of check	Avg. Stn. (%)	Yrs.	bus / acre	% of check	Avg. Stn. (%)	Yrs.	Avg. (%)	Avg. (%)	Stn. Yrs.
AP9540-43		53 abc	102	102	[2]	45 a	108	105	[2]	105	104	[4]
BLUEBIRD	yes	45 bc	88	88	[2]	38 ab	92	85	[2]	90	86	[4]
CARNEVAL		51 abc	99	96	[2]	43 a	104	109	[2]	101	102	[4]
CRUISER*		51 bc	99	99	[1]	45 a	107	107	[1]	103	103	[2]
ESPACE		55 abc	106	98	[3]	46 a	110	110	[4]	108	104	[7]
FABIA		52 abc	101	110	[2]	45 a	108	105	[2]	104	108	[4]
LOGAN		57 ab	109	93	[2]	41 ab	98	98	[3]	104	96	[5]
MADOC*		53 abc	102	102	[1]	45 a	108	108	[1]	105	105	[2]
MILLENNIUM		51 bc	98	104	[2]	41 ab	98	108	[3]	98	106	[5]
NITOUCHE		52 abc	100	100	[3]	42 ab	100	100	[4]	100	100	[7]
^STRATUS (CEB1171)	yes	64 a	123	104	[2]	35 b	85	83	[2]	104	93	[4]
TOLEDO		43 c	84	94	[3]	34 b	82	95	[4]	83	94	[7]
LSD (P=.05) =		12.59				7.89						
CV value (%) =		17.03				13.01						
Most recent varieties not tested in 2002 (Averages 1999-2001)												
Last Year Tested												
AC ADVANTAGE	yes							87	[1]	(2000)	87	[1]
ADAGIO				110	[1]			116	[2]	(2000)	113	[3]
CASCADE				100	[2]			90	[1]	(2001)	95	[3]
CDC MONTERO	yes			63	[1]			72	[1]	(2001)	68	[2]
DS DOMINATOR *	yes			21	[1]			52	[2]	(2001)	37	[3]
M98 *				96	[1]			104	[1]	(2001)	100	[2]
PEKISKO				95	[1]			103	[1]	(2000)	99	[2]
SCUBA				88	[2]			99	[3]	(2001)	94	[5]
SW PARADE	yes			93	[2]			98	[3]	(2001)	95	[5]
VENTURE				100	[1]			96	[2]	(2001)	98	[3]

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

* first year tested, very limited data available

**New check variety as of 2001. Historical Data has been updated to reflect this change as of 1999.

See Page 30 for more extensive listing of varieties no longer tested as compared against Carneval. ^ proposed name

*** Powdery Mildew Resistance Designation data: SEED MANITOBA 2003

NITOUCHE - check variety

