

2011 VARIETY DESCRIPTIONS

PEA (Yellow)

Variety	Years tested*	Type	Yield % Cutlass**		Vine Length ***	Powdery mildew resistance	Maturity	Lodging resistance	Seed weight g/1000	Year released via VRP	Agronomic comments	Market comments
			1,2, & South 3	North 3 & 4								
Cutlass (SB2000-2) Check	11	Yellow	100	100	75	Very good	Medium	Good	220	2003	High yield, good lodging resistance	Medium size, round shape, medium protein content, fair seed coat durability
CDC Golden (0007)	8	Yellow	106	101	85	Very good	Medium	Good	230	2003	High yield, good lodging resistance	Medium size, round shape, medium protein content, good seed coat durability, good cooking quality
CDC Bronco (0009)	8	Yellow	109	104	75	Very good	Medium	Good	230	2004	High yield, good lodging resistance	Medium size, round shape, medium protein content, good seed coat durability, good cooking quality
CDC Meadow (653-8)	8	Yellow	106	109	85	Very good	Early	Good	220	2006	High yield, good lodging resistance, early maturity	Medium size, round shape, medium protein content, good seed coat durability, good cooking quality
CDC Centennial (728-8)	5	Yellow	106	112	70	Very good	Early	Fair	270	2007	Top yielder in co-op and regional trials, medium-early maturity	Medium-large seed size, slightly blocky shape, medium protein content, good seed coat durability, good cooking quality
CDC Prosper (1400-8)	6	Yellow	99	103	80	Very good	Early	Good	150	2008	Good lodging resistance, good Fusarium wilt resistance	Small size, round shape, medium protein content, good seed coat durability, good cooking quality
CDC Treasure (1410-15)	6	Yellow	100	107	80	Very good	Early	Good	210	2009	Early maturity, good lodging resistance, good Fusarium wilt resistance	Medium size, round shape, medium protein content, good seed coat durability, bright colour, moderate dimpling, good cooking quality
CDC Hornet (1749-8)	5	Yellow	103	104	85	Very good	Medium	Good	210	2010	High yield, good lodging resistance, medium-tall, competitive, medium maturity	Medium size, round shape, medium protein content, acceptable seed coat durability, bright colour, moderate dimpling, good cooking quality
CDC 2093-22 §	3	Yellow	110	112	80	Very good	Medium	Good	250	2011	High yield, good lodging resistance	Medium-large seed size, round shape, good seed coat durability, low percent dimpled seeds

* Coop and Regional trials in Saskatchewan

** Refer to map

***All varieties are semi-leafless unless otherwise noted

§ Information not included in Varieties of Grain Crops 2011

Source: Varieties of Grain Crops 2011

2011 VARIETY DESCRIPTIONS

PEA (Green)

Variety	Years tested*	Type	Yield % Cutlass**		Vine Length ***	Powdery mildew resistance	Maturity	Lodging resistance	Seed weight g/1000	Year released via VRP	Agronomic comments	Market comments
			1,2, & South 3	North 3 & 4								
CDC Montero (9801)	6	Green	91	89	80	Very good	Medium	Fair	230	2000	High yield	Medium size, round shape, medium protein content, good seed coat durability, moderate green colour bleaching resistance
CDC Striker (0001)	11	Green	93	100	80	Poor	Medium	Good	230	2002	Good lodging resistance	Smooth, round seed shape with good green colour bleaching resistance
CDC Sage (672-1)	5	Green	80	84	80	Very good	Medium	Good	220	2005	Good lodging resistance	Medium size, round seed shape with good green colour bleaching resistance
CDC Patrick (1434-20)	6	Green	100	102	80	Very good	Medium	Good	190	2008	Good lodging resistance	Medium - small size, round seed shape with good green colour bleaching resistance
CDC Pluto (1996-216)	3	Green	109	102	80	Very good	Medium	Fair	160	2010	Good yield, fair lodging resistance	A new market class due to small seed size. Has smooth round seed shape with very good bleaching resistance and good green colour intensity.
CDC Tetris (1812-5)	4	Green	104	106	85	Very good	Late	Good	210	2010	Good performer, medium-tall.	Should fit into the 'Espace-type' market class used in snack food markets in Asia. This variety has blocky seed shape, good bleaching resistance and good green colour intensity which are desirable for this market class.
CDC 2235-4 §	3	Green	98	106	85	Very good	Medium	Good	220	2011	Good lodging resistance, good disease resistance package	Smooth, round seed shape with good green colour bleaching resistance similar to CDC Striker

* Coop and Regional trials in Saskatchewan

** Refer to map

***All varieties are semi-leafless unless otherwise noted

§ Information not included in Varieties of Grain Crops 2011

Source: Varieties of Grain Crops 2011

2011 VARIETY DESCRIPTIONS

PEA (Other)

Variety	Years tested*	Type	Yield % Cutlass**		Vine Length ***	Powdery mildew resistance	Maturity	Lodging resistance	Seed weight g/1000	Year released via VRP	Agronomic comments	Market comments
			1,2, & South 3	North 3 & 4								
CDC Sonata (9808)	4	Forage	102	94	85	Very good	Late	Fair	220	2000	High biomass; competitive with weeds, normal leaf type	Medium size, moderately round shape, medium protein content, moderate seed coat durability
CDC Tucker (1096-8)	3	Forage	99	99	100	Very good	Medium	Good	170	2006	High biomass (similar to 40-10, greater than Trapper) with good lodging resistance	Improved protein content and relative feed value of biomass in comparison to Trapper and 40-10, small seed size
CDC Leroy (1287-2)	3	Forage	98	96	95	Very good	Medium	Good	150	2008	High biomass (similar to 40-10, greater than Trapper) with good lodging resistance	Improved protein content and relative feed value of biomass in comparison to Trapper and 40-10, small seed size
CDC Horizon (1681-11) §	2	Forage	ID	ID	100	Very good	Medium	Good	170	2010	High biomass (approx 8% greater than 40-10), acceptable grain yield (approx 97% of Cutlass in forage elite test)	Similar feed value to Trapper and 40-10, small seed size
CDC Acer (203PMR16)	3	Maple	100	94	60	Very good	Late	Fair	170	2001	Replacement for Whero, moderate lodging resistance	Small seed size, moderately round shape, tan seed coat color with mottled maple pattern
CDC Rocket (617-20)	3	Maple	93	104	75	Very good	Medium	Fair	210	2006	Earlier maturity than CDC Acer	Medium seed size, moderately blocky shape, tan seed coat colour with mottled maple pattern, lighter seed coat colour than CDC Acer
CDC Mosaic (1816-4) §	2	Maple	ID	ID	85	Very good	Medium-late	Good	180	2010	Acceptable grain yield. First maple with good lodging resistance.	Seed type similar to CDC Acer
CDC Dakota (2098-20) §	2	Dun	ID	ID	85	Very good	Medium-late	Good	205	2010	Good grain yield	Uniform, nice dun (greenish-tan) seed coat colour. Blocky seed shape. Non-dimpled seed surface.

* Coop and Regional trials in Saskatchewan

** Refer to map

***All varieties are semi-leafless unless otherwise noted

§ Information not included in Varieties of Grain Crops 2011

ID: Insufficient data

Source: Varieties of Grain Crops 2011

2011 VARIETY DESCRIPTIONS

LENTIL (Green)

Variety	Years tested*	Type	Seed coat colour	Yield% CDC Milestone**		Resistance to		Maturity	Seed weight g/1000 ***	Year released via VRP	Agronomic comments	Market comments
				Areas 1-2	Areas 3-4	Ascochyta	Anthracnose (race 1)					
CDC Milestone (512-2) Check	14	Small green	Green	100	100	Good	Very poor	Early	37	1998	High yield	Good resistance to Ascochyta means reduced staining and more uniform seed colour
Laird	15	Large green	Green	78	72	Very poor	Very poor	Very late	67	N/A	Lodging susceptible, low yield	Long time industry standard, susceptible to Ascochyta
CDC Sedley (946-7Y)	9	Large green	Green	81	85	Fair	Very poor	Medium	68	2001	Earliest large green, may suit later planting or early harvest strategies	Large seed, fair Ascochyta resistance and early maturity results in earlier shipping with better quality
CDC Plato (964a-4)	11	Large green	Green	99	89	Good	Poor	Medium late	62	2002	Consistent high yields, earlier than CDC Glamis and CDC Grandora	Between CDC Glamis and CDC Grandora in size, good Ascochyta resistance
CDC Improve CL (LGBC)	5	Large green	Green	86	88	Fair	Very poor	Medium	67	2006	Tolerant to Odyssey	Most similar to CDC Sedley
CDC Greenland (1196D-5)	9	Large green	Green	104	87	Good	Very Poor	Medium late	64	2006	Consistent high yield, maturity similar to CDC Plato	Between CDC Glamis and CDC Grandora in size, good Ascochyta resistance, best colour retention of all large green lentil varieties
CDC Impower CL (IBC-194)	4	Large green	Green	98	80	Good	Very Poor	Medium late	64	2009	Tolerant to Odyssey, slightly later than CDC Improve, limited agronomic data	Yield similar to CDC Improve, better seed coat colour
CDC Meteor (1038L-18)	9	Medium green	Green	111	102	Good	Very poor	Medium	51	2005	Widely adapted, consistent high yield potential, improved disease resistance	Less Ascochyta staining, colour retention less than CDC Richlea
CDC Impress CL (2471)	4	Medium green	Green	100	83	Good	Poor	Medium	52	2007	Tolerant to Odyssey, most similar to CDC Meteor	Most similar to CDC Meteor
CDC Imigreen CL (IBC-145)	4	Medium green	Green	86	82	Good	Very poor	Medium	57	2009	Tolerant to Odyssey, limited agronomic data	Better green colour retention compared to all other lentil varieties
CDC Viceroy (1066E-4)	8	Small green	Green	103	111	Good	Good	Early	33	2004	High yield, resistance to Ascochyta and Race 1 Anthracnose	Seed characteristics similar to Eston, better colour retention than CDC Milestone
CDC Invincible (IBC-112)	4	Small green	Green	108	98	Good	Good	Early	33	2009	Tolerant to Odyssey, limited agronomic data	All marketing characteristics very similar to CDC Viceroy

* Coop and Regional trials in Saskatchewan since 1995

** Refer to map

***CDC Richlea 51g/1000; Eston 33g/1000

CL indicates Clearfield variety

Source: Varieties of Grain Crops 2011

2011 VARIETY DESCRIPTIONS

LENTIL (Red)

Variety	Years tested*	Type	Seed coat colour	Yield%		Resistance to		Maturity	Seed weight g/1000 ***	Year released via VRP	Agronomic comments	Market comments
				CDC Milestone** Areas 1-2	Areas 3-4	Ascochyta	Anthracnose (race 1)					
CDC Blaze (997-5R)	9	Small red	Grey	84	82	Good	Poor	Early	34	2001	Similar seed traits to Crimson with improved yield, disease resistance and lodging	Excellent Ascochyta resistance means more uniform quality
CDC Redberry (1254S-1)	8	Small red	Grey	105	111	Good	Good	Early-medium	42	2004	Slightly later maturing, taller than other small reds, improved disease resistance	Rated highly acceptable by Pulse Canada market surveys in import markets in India and Turkey, acceptable for splitting, larger seed size than CDC Blaze and Crimson
CDC Rouleau (1145-3-6)	6	Small red	Grey	104	107	Good	Good	Medium	37	2004	Later maturing, taller than other small reds, improved disease resistance	Well received by splitting companies and importers, replacement for CDC Blaze and Crimson – high yield potential
CDC Impact CL (2462)	5	Small red	Grey	88	87	Good	Poor	Early	34	2006	Tolerant to Odyssey, early maturity, resistant to Ascochyta	Most similar to CDC Blaze
CDC Red Rider (1308M-7)	6	Small red	Grey	103	98	Good	Fair	Early-Medium	45	2007	A little later than CDC Redberry, improved yield	A little larger in diameter with a thicker seed compared to CDC Redberry
CDC Maxim CL (3114)	4	Small red	Grey	111	119	Good	Good	Early-medium	40	2007	Tolerant to Odyssey, most similar to CDC Redberry, limited data	Ratings should be similar to CDC Redberry, limited data
CDC Redcoat (2154S-4)	4	Small red	Grey	117	106	Good	Good	Early	38	2009	High yield, good lodging tolerance, limited data.	Plump, between Blaze and Redberry in size, limited data
CDC Imax CL (IBC-187)	4	Small red	Grey	108	102	Good	Fair	Early-medium	48	2009	Tolerant to Odyssey, a bit earlier than CDC Red Rider, limited data.	Most similar to CDC Red Rider, limited data
CDC Redcliff (2271-5)	4	Small red	Grey	121	123	Good	Fair	Early-medium	38	2010	Highest yielding conventional red so far. Limited data	Seed type good for standard small red markets. Limited data
CDC Dazil CL (IBC-289)	3	Small red	Grey	121	ID	Good	Fair	Early-medium	35	2010	High yield – maturity later than CDC Impact, more yield in South? Very limited data in Zones 3-4.	Seed most similar to dimensions of CDC Impact. Limited data

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CDC Robin (599-23)	11	Extra small red	Brown	86	91	Good	Good	Early	29	1999	First variety with both Race 1 Anthracnose and Ascochyta resistance	Extra small seed size for South Asian markets
CDC Rosetown (1194-3)	7	Extra small red	Grey	107	109	Good	Good	Early	31	2005	Taller and better lodging tolerance as compared to CDC Robin	Extra small seed size for South Asian markets, slightly larger than CDC Robin
CDC Imperial CL (2464)	6	Extra small red	Grey-brown	95	91	Good	Good	Early	30	2006	Tolerant to Odyssey, early maturity, resistant to Ascochyta and Race 1 Anthracnose	Most similar to CDC Robin
CDC Impala CL (3110)	5	Extra small red	Grey	103	100	Good	Good	Early	31	2007	Tolerant to Odyssey, most similar to CDC Rosetown	Most similar to CDC Rosetown
CDC Redbow (1894T-1)	4	Extra small red	Grey	111	113	Good	Good	Early	31	2009	High yield, good lodging tolerance, limited data	Grey seed coat. More plump than Robin, limited data
CDC Rosebud (1788S-4e)	5	Extra small red	Tan	108	114	Good	Good	Early	31	2009	High yield – potential new market class, limited data .	Tan seed coat. More plump than Robin, limited data
CDC Ruby (1897T-30a)	4	Extra small red	Grey	104	102	Good	Good	Early	29	2010	High yield – limited data .	Grey seed coat -seed dimensions similar to CDC Robin, limited data

* Coop and Regional trials in Saskatchewan since 1995

** Refer to map

***CDC Richlea 51g/1000; Eston 33g/1000

CL indicates Clearfield variety

ID: Insufficient data

Source: Varieties of Grain Crops 2011

Lentil (Other)

Variety	Years tested*	Type	Seed coat colour	Yield% CDC Milestone**		Resistance to		Maturity	Seed weight g/1000 ***	Year released via VRP	Agronomic comments	Market comments
				Areas 1-2	Areas 3-4	Ascochyta	Anthracnose (race 1)					
CDC LeMay (983-87)	6	French green	Dark marbled	91	92	Fair	Very poor	Early	33	2002	Better Ascochyta ratings and better height compared to French green, some yield advantage	Appearance and size similar to French green
CDC Peridot CL (IBC-188)	5	French green	Dark marbled	96	98	Fair	Poor	Early	38	2008	Tolerant to Odyssey, agronomically similar to CDC LeMay, limited data	Seed size slightly larger than CDC LeMay, limited data

* Coop and Regional trials in Saskatchewan since 1995

** Refer to map

***CDC Richlea 51g/1000; Eston 33g/1000

CL indicates Clearfield variety

Source: Varieties of Grain Crops 2011

2011 VARIETY DESCRIPTIONS

KABULI CHICKPEA

Variety	Years tested	Yield % Amit*		Ascochyta blight rating**	Maturity	Seed weight g/1000	Year released via VRP	Canning quality	Agronomic comments	Seed characters
		Area 1	Area 2							
Amit (B-90) Check	12	100	100	4.6	Late	258	n/a	Good	Check for yield and ascochyta blight	7 mm seed size, round shape
CDC Frontier (95NN29)	9	106	104	4.4	Late	347	2003	Good	High yield, fair ascochyta rating the same as Amit	8 mm seed size, ram-head shape, beige seed colour
CDC Luna (Flip97-133C)	8	100	100	5.4	Medium late	366	2007	Good	Yield similar to check, earlier maturity than CDC Frontier	8-9 mm size, ram-head shape, beige seed colour
CDC Orion (491-5)	4	110	106	5.0	Medium late	434	2010	Good	High yield, fair ascochyta rating, earlier maturity than CDC Frontier	10 mm size, ram-head shape, beige seed colour
CDC Alma (CP71)	2	108	98	5.8	Medium late	353	2010	Good	Good yield, earlier maturity than CDC Frontier, ascochyta rating slightly higher than Amit	8-9 mm size, ram-head seed shape, beige seed colour
CDC 493-24 §	4	108	106	4.2	Medium	373	2011	IP	High yield, fair ascochyta rating the same as Amit, earlier maturity than CDC Frontier	9-10 mm size, ram-head seed shape, beige seed colour

* Refer to map; ** Ascochyta Blight at pod filling period: 0-9 scale; where: 0 = no symptoms; 1 = <2 % plant area affected (PAA); 2 = 2-5 % PAA; 3 = 5-10% PAA; 4 = 10-25% PAA; 5 = 25-50% PAA; 6 = 50-75% PAA, 7 = 75-90% PAA; 8 = >90% PAA; 9 = plants dead; Plants with rating 6 usually show large lesions, and plants with score 7 or higher usually exhibit coalescing lesions with stem girdling.
 § Information not included in Varieties of Grain Crops 2011 **IP:** In Progress **Source:** Varieties of Grain Crops 2011

DESI CHICKPEA

Variety	Years tested	Yield % Vanguard*		Ascochyta blight rating**	Maturity	Seed weight g/1000	Year released via VRP	Seed Shape	Agronomic comments	Other seed characteristics
		Area 1	Area 2							
CDC Vanguard (304-22) Check	8	100	100	5.1	Medium late	219	2006	Plump	High yield, fair rating for ascochyta blight	Medium seed size, tan seed coat colour
CDC Cabri (92073-40)	8	92	96	4.6	Medium	304	2003	Plump	High yield, earlier to flower	Large seed size, tan seed coat colour
CDC Corinne (ICC12512-1)	8	108	103	4.2	Medium	243	2008	Angular/Plump	High yield, slightly lower ascochyta blight rating than the check, medium maturity	Medium seed size, tan seed coat colour
CDC Cory (CP55)	2	111	102	4.2	Medium	254	2010	Angular/Plump	High yield, slightly lower ascochyta blight rating and larger seed size than the check, medium maturity	Medium seed size, tan seed coat colour

** Refer to map; ** Ascochyta Blight at pod filling period: 0-9 scale; where: 0 = no symptoms; 1 = <2 % plant area affected (PAA); 2 = 2-5 % PAA; 3 = 5-10% PAA; 4 = 10-25% PAA; 5 = 25-50% PAA; 6 = 50-75% PAA, 7 = 75-90% PAA; 8 = >90% PAA; 9 = plants dead; Plants with rating 6 usually show large lesions, and plants with score 7 or higher usually exhibit coalescing lesions with stem girdling. **Source:** Varieties of Grain Crops 2011

2011 VARIETY DESCRIPTIONS

BEAN (Narrow row production)

Variety	Years tested*	Class	Growth habit	Average Yield kg/ha**			Pod clearance %***	Maturity	Seed weight g/1000	Year released via VRP	Agronomic comments	Market comments
				Irrigation	Area 2	Area 3						
CDC Pintium Check (93708)	12	Pinto	I Bush	2852	1853	1661	80	Early	350	1999	Use N fertilizer, earliest type I, good pod clearance for swathing, best variety for black soil zone	Plump seeds, early maturity allows frost avoidance and early shipping

* Yield results based on narrow row trials only from Coop and Regional trials in Saskatchewan and western Manitoba

** Refer to map

***% Pod Clearance: percentage of pods expected to completely clear the cutterbar of swather.

Source: Varieties of Grain Crops 2011 and CDC Pulse Crop Breeding Group



Source: Varieties of Grain Crops 2011