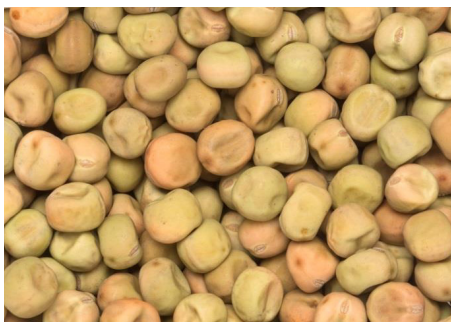


CDC DAKOTA

Dun Pea



YEAR RELEASE TO SELECT SEED GROWERS

2010

SUB-LICENSED OUTSIDE OF SK

No

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Canterra Seeds Ltd.
/Meridian Seeds

BREEDER

Dr. Tom Warkentin
Crop Development Centre
University of Saskatchewan
Saskatoon, SK

PLANT BREEDERS RIGHTS

No

Description

CDC Dakota is a high yielding dun field pea variety. In nine years of testing in the Saskatchewan co-op and regional trials, CDC Dakota yielded 101% of the yellow pea check variety CDC Amarillo in the south and 98% in the north soil zones. CDC Dakota also has high protein, nearly 2% higher than CDC Amarillo. CDC Dakota does not have PBR protection.

Strengths

- Very good lodging resistance
- Yield stability over different soil zones
- High protein
- Powdery mildew resistance
- Good resistance to seed coat breakage
- Very good resistance to seed coat dimpling

Neutral

- Good yield (similar to CDC Amarillo)
- Medium vine length
- Fair resistance to *Mycosphaerella* blight

Table 1: Agronomic Performance for CDC Dakota from Co-op and Regional Trials in Saskatchewan

Adapted from Varieties of Grain Crops 2019

VARIETY	YEAR REGISTERED	YEARS TESTED	YIELD % AMARILLO		MATURITY	LODGING (1-9)**	VINE LENGTH (CM)	RESISTANCE TO:				SEED WEIGHT (G/1000)	PROTEIN VS. CDC AMARILLO
			1, 2, & SOUTH 3*	NORTH 3 & 4*				MYCOSPHAERELLA BLIGHT***	POWDERLY MILDEW	SEED COAT BREAKAGE	SEED COAT DIMPLING****		
CDC AMARILLO (CHECK)	2012	10	100	100	MEDIUM	3.5	85	4.5	R	FAIR	FAIR	230	23.0
CDC DAKOTA	2010	9	101	98	MEDIUM	3.5	85	4.5	R	GOOD	VERY GOOD	205	+1.7

Source: Varieties of Grain Crops 2019 (SaskSeed Guide)

*Area 1: Brown soil zone; Area 2: Dark brown; Area 3: Black; Area 4: Dark grey

**Lodging score: 1 = Upright; 9 = Completely lodged

***Mycosphaerella blight score: 1 = No disease, 9 = Completely blighted

****Seed coat dimpling: Very Good = 0-5%; Good = 6-20%; Fair = 21-50%