

DUN PEA: CDC DAKOTA

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

Year released to Select Seed Growers: 2010

Sub-licensed outside of SK: no

International Distribution Rights: Canterra Seeds Ltd./Meridian Seeds

Plant Breeders Rights: no

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	Resistance to:				Seed Weight (g/1000)	Protein vs. CDC Amarillo
			1, 2 & South 3*	North 3 & 4*				Mycosphaerella Blight	Powdery 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 (2019 SaskSeed Guide)

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

Lodging score: 1=Upright; 9=Completely lodged

Mycosphaerella blight score (1-9) 1=No disease, 9=Completely blighted

Seed coat dimpling: VG = 0-5%; G= 6-20%; F = 21-50%