

Technical Bulletin

Genes that fit *your* farm.



CDC Jasper Forage Pea



Progress Through Research
Le progrès grâce à la recherche

Description:

CDC Jasper is a forage pea variety with a small seed size and high biomass production. CDC Jasper was tested for four years in the Pea Forage Elite Trials (2012-2015) and had the highest biomass production in these trials at 105% of 40-10.

Strengths:

- 105% higher dry biomass yield compared to the check 40-10
- Better lodging resistance than the checks
- 133% higher grain yield compared to 40-10
- Improved lodging tolerance compared to 40-10

Neutral Traits:

- Larger seed size (175g) compared to the check 40-10 (128g)
- Shorter than the check 40-10

Breeder:



UNIVERSITY OF SASKATCHEWAN

Crop Development Centre

COLLEGE OF AGRICULTURE AND BIORESOURCES
AGBIO.USASK.CA

Funded by:



Table 1: Agronomic performance for CDC Jasper from 2012 to 2015 Pea Silage Elite Trials (10 site years) - Crop Development Centre, University of Saskatchewan

Variety	Year released	Yield % of 40-10		Height	Lodging	Maturity (1-3)	Seed Weight (g/1000)	Description
		Grain Yield	Dry Matter					
40-10 (check)	n/a	100	100	133	7.8	3	128	Small seed size and tall. Fully leaved variety with speckled seed coat. Poor lodging.
CDC Tucker	2006	140	98	92	4	2.5	158	High biomass; improved protein and relative feed value compared to Trapper and 40-10
CDC Leroy	2008	124	89	84	5.2	1.8	132	High biomass; improved protein and relative feed value compared to Trapper and 40-10
CDC Horizon	2010	130	100	97	3.8	2.3	142	High biomass with similar feed value to Trapper and 40-10
CDC Jasper	2016	133	105	98	3.9	2.5	175	Highest biomass combined with high grain yield and high relative feed value

Lodging score: 1=upright; 9=completely lodged