

VARIETY DESCRIPTION FOR 491-5 (CDC Orion) KABULI CHICKPEA

Pedigree:	FLIP95-48C/93-120-63K
Market class:	Kabuli
Flower colour:	White, same as Amit and CDC Frontier.
Seed weight:	Average 428 g/1000 seeds, larger than both Amit and CDC Frontier .
Seed shape:	Ram head shape, similar to CDC Frontier as opposed to round for Amit.
Seed coat colour:	Beige/cream, similar to CDC Frontier.
Days to flower:	Average of 56 days from seeding, similar to the check Amit.
Maturity:	Average: 105 days, similar to Amit.
Leaf type:	<u>Fern leaf</u> , similar to Amit and CDC Frontier.
Plant height:	Average of 45 cm, comparable with Amit and CDC Frontier.
Growth habit:	Slightly spreading similar to CDC Frontier.
Ascochyta reaction:	Fair rating, comparable to CDC Frontier and CDC Luna

Note: The main differential characteristic used to distinguish 491-5 from CDC Frontier is seed size. The main differential characteristic used to distinguish 491-5 from Amit is seed shape.

ENTRY	VARIETY	Yield		Days	Days to	Height	1000 seed	Ascochyta
		Area 1 2 sites	Area 2 5 sites	to flower 6 sites	Maturity 7 sites	(cm) 6 sites	weight (g) 5 sites	blight 2 sites
1	Amit	100 (1985)	100 (3300)	54	123	47	254	4.5
4	491-5	114	103	51	125	42	441	4.9

Area 1: brown soil zone
Area 2: dark brown soil zone
Check for 2009: Amit; (yield= kg/ha)
Ascochyta blight disease was rated (0 - 9 scale) at pod filling growth stage