

CBA Captain[®] (tested as CICA1521) – SA

September 2021, prepared by NSW DPI

- CBA Captain[®] is a broadly adapted desi chickpea variety.
- CBA Captain[®] has a good height to lowest pod and good lodging resistance. These attributes combined provide excellent harvestability – far superior than current southern desi varieties.
- CBA Captain[®] is mid flowering and mid-maturing in SA growing environments.
- CBA Captain[®] has been evaluated in SA NVT testing since 2015. Please see <https://app.nvtonline.com.au> for location specific yield data.
- CBA Captain[®] consistently yields higher than the site mean yield in NVT in the Mid-North and Yorke Peninsula of SA.

Table 1. Long term yield (2016-2019) of CBA Captain[®] and current chickpea varieties, expressed as a % of the mean yield, in NVT in the Mid- North of SA.

GRDC NATIONAL VARIETY TRIALS™		Yield (t/ha)			
		2016	2017	2018	2019
	Mean Yield (t/ha)	2.38	0.97	0.53	0.71
Variety	Trials	1	1	1	1
Neelam	4	120	105	96	96
CBA Captain	4	113	105	109	100
PBA Slasher	4	106	102	101	102
PBA Striker	4	96	103	99	105
Genesis 090	4	96	95	106	96

Source: <https://app.nvt.grdc.com.au/lty/table/chickpea-desi/sa/mid-north/>

Table 2. Long term yield (2015-2019) of CBA Captain[®] and current chickpea varieties, expressed as a % of the mean yield, in NVT in the Yorke Peninsula of SA.

GRDC NATIONAL VARIETY TRIALS™		Yield (t/ha)			
		2016	2017	2018	2019
	Mean Yield (t/ha)	2.36	2.34	1.22	0.57
Variety	Trials	2	2	2	2
Neelam	8	119	106	99	106
CBA Captain	7	111	104	105	103
PBA Slasher	8	107	103	99	110
Genesis 090	6	111	99	94	92
PBA Striker	8	90	100	102	114

Source: <https://app.nvt.grdc.com.au/lty/table/chickpea-desi/sa/yorke-p/>

Disease resistance

- CBA Captain[®] has an NVT pulse disease rating for Ascochyta blight of Moderately Susceptible in the southern region. This is the same disease rating as Genesis™ 090 and PBA Royal[®]. CBA Captain[®] has a higher NVT pulse disease rating for Ascochyta blight than Neelam[®], PBA Slasher[®], PBA Striker[®] and Genesis Kalkee which are all rated as Susceptible in the southern region
- CBA Captain[®] has an NVT pulse disease rating for Botrytis grey mould of Susceptible, the same as all other current chickpea varieties.

Grain quality

- CBA Captain[®] has a medium seed size with a yellow-brown seed coat and angular seed shape.
- The seed size of CBA Captain[®] would generally be smaller than PBA Striker[®] and similar in size to PBA Slasher[®] and Neelam[®].

Seed availability

- CBA Captain[®] has an end point royalty of \$4.50/tonne (ex-GST).
- Seed of CBA Captain[®] can be ordered from



03 5383 2213

- CBA Captain[®] was developed by the PBA Chickpea program (led by NSW Department of Primary Industries). The partners of the PBA Chickpea program were: GRDC, NSW DPI, Department of Agriculture and Fisheries (QLD), Agriculture Victoria and the South Australian Research and Development Institute.