

CBA Captain[®] (tested as CICA1521)

Agzone 1 WA

March 2022, prepared by NSW DPI

- CBA Captain[®] is a broadly adapted desi chickpea variety with an erect plant type (like Genesis[™]836).
- CBA Captain[®] has a good height to lowest pod and good lodging resistance. These attributes combined provide excellent harvestability – far superior than PBA Slasher[®] and PBA Striker[®].
- CBA Captain[®] is mid flowering and early to mid-maturing in WA growing environments.
- CBA Captain[®] has been evaluated in WA NVT testing since 2017. CBA Captain[®] has consistent long-term yield gains over Genesis[™]836 in all Agzones, and equal or higher yields than PBA Striker[®] in Agzone 1 (Table 1). Please see <https://app.nvtonline.com.au> for location specific yield data.

Table 1. Long term yield (2017-2021) of CBA Captain[®] and current chickpea varieties, expressed as a % of the mean yield, in NVT in Agzone 1.

GRDC NATIONAL VARIETY TRIALS [™]		Yield t/ha				
		2017	2018	2019	2020	2021
	Mean Yield	0.45	1.34	0.9	1.53	1.75
Variety	Trials	2	2	1	1	1
CBA Captain	7	121	106	110	114	105
PBA Striker	7	109	106	108	111	105
PBA Slasher	7	99	99	105	107	104
Neelam	7	95	96	102	110	105
Genesis 836	7	91	89	93	94	97

Source: <https://app.nvtonline.com.au/ity/table/chickpea-desi/wa/agzone1/>

Disease resistance

- CBA Captain[®] has an NVT pulse disease rating for Ascochyta blight of Moderately Susceptible (MS) in the northern region and Moderately Susceptible Provisional (MSp) in the southern region.
- In WA, Ascochyta Blight evaluation has been performed by the Centre for Crop and Disease Management (CCDM) Curtin University, where CBA Captain performed similarly to Genesis[™]090 with lower disease observed than for Genesis[™]836, PBA Striker and PBA Slasher.
- Each year, the CCDM program collects and tests Ascochyta samples from WA growing regions. A small proportion of fungal isolates collected from 2019 to 2021 have elevated levels of aggressiveness, but CBA Captain remains the most resistant variety tested.

Citation: Dr. Robert Lee, Pulse Pathology and Genetics, Centre for Crop and Disease Management, March 2022.

- 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, similar to PBA HatTrick (widely grown desi in NNSW, QLD)

Chickpea Agronomy

Please refer to the following DPIRD chickpea guides;

<https://www.agric.wa.gov.au/chickpeas/desi-chickpea-essentials>

https://www.agric.wa.gov.au/sites/gateway/files/2021%20WA%20Crop%20Sowing%20Guide_Pulse%20Guide%20%28pgs%20134_186%29.pdf

Seed availability

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



08 9651 1069



08 9045 4036

- *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.*