

## CBA Captain<sup>®</sup> (tested as CICA1521)

### Agzone 2 WA

March 2022, prepared by NSW DPI

- CBA Captain<sup>®</sup> is a broadly adapted desi chickpea variety with an erect plant type (like Genesis™836).
- CBA Captain<sup>®</sup> has a good height to lowest pod and good lodging resistance. These attributes combined provide excellent harvestability – far superior than PBA Slasher<sup>®</sup> and PBA Striker<sup>®</sup>.
- CBA Captain<sup>®</sup> is mid flowering and early to mid-maturing in WA growing environments.
- CBA Captain<sup>®</sup> has been evaluated in WA NVT testing since 2017. CBA Captain<sup>®</sup> has consistent long-term yield gains over Genesis™836 in all Agzones, and consistently yields above the site mean yield in Agzone 2 (Table 1). Please see <https://app.nvtonline.com.au> for location specific yield data.

**Table 1.** Long term yield (2017-2021) of CBA Captain<sup>®</sup> and current chickpea varieties, expressed as a % of the mean yield, in NVT in Agzone 2.

GRDC NATIONAL VARIETY TRIALS™		Yield t/ha				
		2017	2018	2019	2020	2021
	Mean Yield	1.03	0.58	0.4	0.8	1.57
Variety	Trials	1	1	1	2	2
CBA Captain	7	103	102	109	107	103
PBA Striker	7	101	101	97	107	105
PBA Slasher	7	93	102	106	100	102
Neelam	7	91	100	111	98	101
PBA Maiden	7	90	106	107	97	97
Genesis 836	7	92	101	117	90	92

Source: <https://app.nvt.grdc.com.au/ity/table/chickpea-desi/wa/agzone2/>

#### Disease resistance

- CBA Captain<sup>®</sup> 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<sup>®</sup> has an NVT pulse disease rating for Botrytis grey mould of Susceptible, the same as all other current chickpea varieties.

## Grain quality

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



08 9651 1069



08 9045 4036

- *CBA Captain<sup>®</sup> 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.*