

Variety fact sheet

Bintangcheng No 2 orange



Estimated Maturity Period

Region	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Riverina												
Sunraysia												

Origin: China, early maturing processing orange. Introduced into Australia by Auscitrus as two selections – Bintangcheng No 2 and Bintangcheng Renbin No 5. (Public)

Fruit quality

Skin	Achieves full orange skin colour when internal maturity is deteriorating. Fruit with a 'green tinge' is often at peak internal quality.
Average Rind Thickness (mm)	4.3
Internal Quality	A low acid content late in the maturity period can give an insipid flavour if consumed as fresh fruit. °Brix tends to range between 10 – 11 at maturity. 2010: °Brix/Acid ratios of 15 – 20 (low acid content). 2011: °Brix/Acid: 11.3 – 14.8. 2012: °Brix/Acid 14.9 – 17.1 at harvest (low acid levels)
Average Seed Number per Fruit	<1
Juice Percent (%)	44
°Brix	10.3
Acid Percent (%)	0.82
Brix/Acid Ratio	12.6
Average Fruit Weight (gm)	185
Average Fruit Diameter (mm)	79

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Comments: Bintangcheng processing orange was initially imported into Australia as seed. After germination and selection of seedlings, trees were propagated on trifoliata rootstock and planted adjacent to a processing trial (HAL CT98023) at Dareton DPI Institute and the Riverina region of NSW during 1997. Commercial interest in the early maturing nature of this variety stimulated Auscitrus to introduce the variety as budwood. Two selections were provided by China – Bintangcheng No2 and Bintangcheng Renbin No5 which were included in the national variety evaluation program.

Bintangcheng No2 produced its first fruit in 2010 and confirmed its early maturing habit. The maturity period in Sunraysia is from early May to mid-June. Crop load on 3 year old top-worked trees was low with an average yield per tree of 6.8kg from trees on Valencia orange with a citrange rootstock.

Average yield per tree from trees top-worked to Valencia orange

Rootstock	Average yield per tree (kg)		
	2011	2012	2013
Citrange	52	69	48
Trifoliata	66	65	51
Cleopatra	60	71	68

- A role for Bintangcheng would be as a blend into late season Valencia juice to impart sweetness and fresh juice characteristics.
- Young trees are initially thorny but have begun to ‘settle-down’ as new foliage is produced and the trees mature.

Some commercial interest has been noted on this variety in the Riverina region of New South Wales and trees have been planted for juice processing.