

Gusocora Valencia evaluation

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A cluster of five bright orange fruits, likely oranges or tangerines, set against a dark background. One fruit in the center is sliced horizontally, revealing its internal structure of segments and a moist, juicy texture. The other four fruits are whole, showing a bumpy, textured peel. The lighting highlights the vibrant orange color and the glistening surface of the fruit segments.



Estimated maturity window (BrimA ≥ 90)

[illegible]

Gusocora Valencia

Gusocora is a medium-sized, mid-season, seedless, Valencia that matures at a similar time to Midnight. Literature states that Gusocora Valencia was a natural mutation found in an old clone Valencia orchard in the Malelane area of Mpumalanga, South Africa. It was selected for its seedlessness, good production and fruit size compared with other Valencia types. Gusocora has produced a consistent crop over several years, and the fruit has good eating qualities.

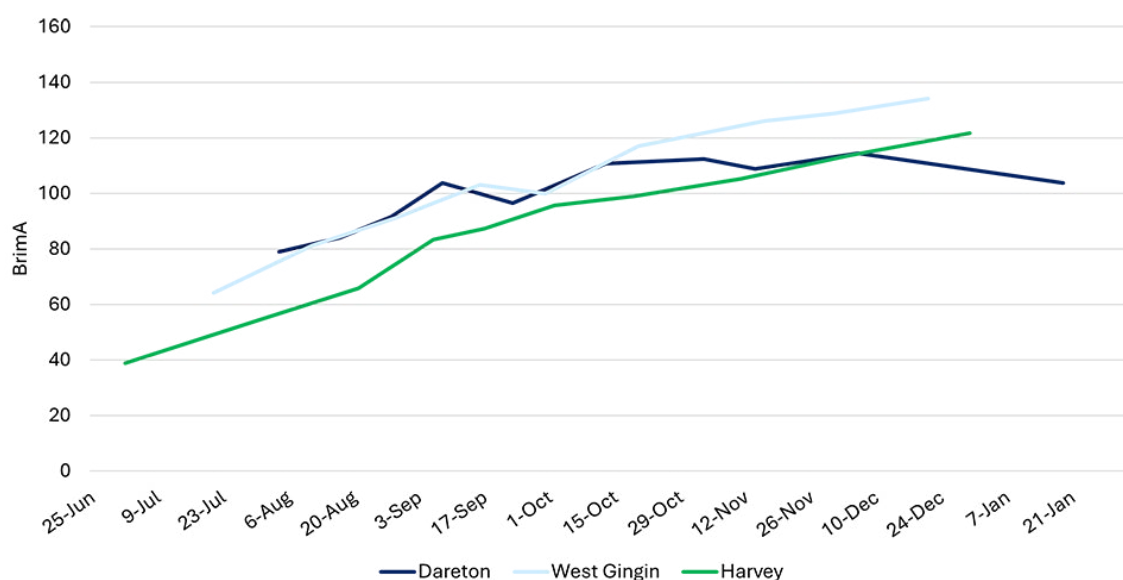


Figure 2. BrimA (Brix-(% acid × 4)) × 16.5 for Gusocora Valencia orange at Dareton, Sunraysia, NSW (dark blue), West Gingin, WA (light blue) and Harvey, WA (green). Data are averaged over 4 growing seasons. The Australian Citrus Standard for oranges is 90.

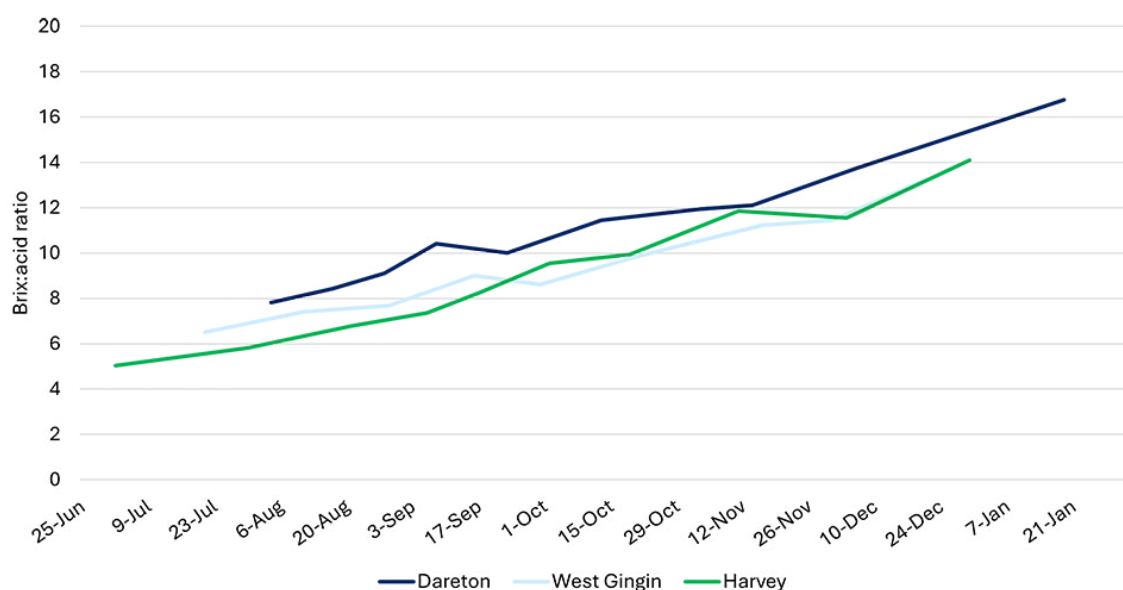


Figure 3. Brix:acid ratio for Gusocora Valencia orange recorded at Dareton, Sunraysia, NSW (dark blue), West Gingin, WA (light blue) and Harvey, WA (green). Data are averaged over 4 growing seasons.

Gusocora Valencia traits

Trait	Result
Skin	Pebbled
Average rind thickness (mm)	5.8
Internal quality	Very good eating quality through December, strong colour and pleasant smell.
Average number of seeds per fruit	0.0
Juice per cent (%)	50
°Brix	10.5
Acid per cent (%)	0.9
Brix:acid ratio	11.7
Average fruit weight (g)	250
Average fruit diameter (mm)	73.0

Representative sequential juice quality data

Date	Brix °	Acid %	Juice %	Brix:acid ratio	BrimA
4.08.2020	9.8	1.25	49	7.8	79
17.08.2020	9.7	1.15	44	8.4	84
28.08.2020	9.9	1.09	52	9.1	92
8.09.2020	10.2	0.98	50	10.4	104
6.10.2020	9.7	0.83	47	11.7	105
20.10.2020	10.0	0.79	48	12.7	113
2.11.2020	9.7	0.78	51	12.4	109
16.11.2020	9.7	0.68	48	14.3	115
Orange minimum standard					90

Grown in Sunraysia on citrange rootstock with Valencia interstock.

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