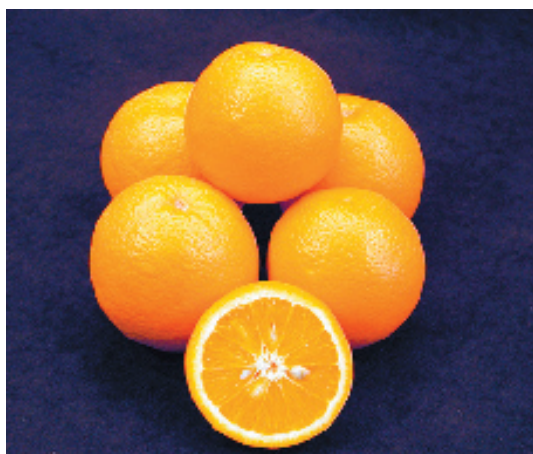


orange variety fact sheet



Hamlin

Origin

First discovered as a seedling in Florida in 1879. In Florida it is currently used as an early season juice variety, accounting for approximately 25% of total plantings. Hamlin has become popular in China because of its low acidity and somewhat insipid flavour. Originally imported into Australia from the USA in the 1920's but an improved clone (10-11) was imported from Spain and released from plant quarantine in 1988.

Type

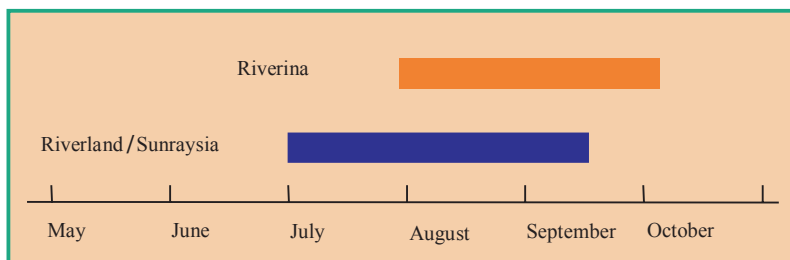
Common orange, virtually seedless with an average of 3 seeds per fruit.

Market

Fresh juice market during winter/early spring.

Potential harvesting period

July-September depending on location. Fruit tend to fall when overmature, especially on sandy soils.



Juice Quality

Data collected at the Dareton (NSW-Sunraysia) trial site over three seasons during July gave an average juice content of 44%, TSS/tonne of 47 and 422 litres of juice/tonne. The Waikerie (SA-Riverland) site produced superior quality juice than at Dareton with higher juice %, TSS/tonne and litres of juice/tonne.

External Fruit Quality

It develops early colour, maturing at a similar time to Washington navel. Small to medium fruit size.

Extent of Plantings

Some commercial plantings established using the original Hamlin clone. Minor plantings in Sunraysia/Riverland. Strong commercial interest with plantings beginning in the Riverina region of New South Wales and north-west NSW.

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Postharvest Performance

Predominantly a processing variety in Australia. Storage performance and response to ethylene degreening to be determined.

Field Performance

The tree is moderately vigorous and is one of the more cold tolerant orange varieties. The original clone of Hamlin was assessed in research trials at Gosford and Yanco from 1982-1989. Full results from this trial can be found in the paper "Midseason oranges for juice production" by R. A Sarooshi and R. J. Hutton, Australian Journal of Experimental Agriculture 1992, 32:1141-51.

The new clone of Hamlin was planted in trials in 1997 at Waikerie (SA), Griffith, Leeton and Dareton (NSW). Trees were established on Troyer citrange, Sweet orange and *Poncirus trifoliata* rootstocks. Hamlin produced the highest cumulative yields (2000-2003) of all varieties assessed on both Troyer citrange and Sweet orange rootstocks at the Dareton trial site. Full results of these trials are published in the HAL final report CT 98033 - National Evaluation of Valencia and Common Orange Varieties.

State of Knowledge

very
limited



very
high



Auscitrus

Growers should ensure that trees are propagated from true to type, disease free seed and Premium budwood obtained from Auscitrus

Last Revised: December 2005

Disclaimer:

Information contained in this publication is provided as general advice only.

For application to specific circumstances, professional advice should be sought.