

Henrietta Valencia

Origin

A mutation discovered by Burgert van Rooyen on the Group 91 Citrus Estate in the Letsitele region of Limpopo Province. In view of its low seed counts and very good fruit size this selection is considered to be a promising addition to the new range of Valencia selections being evaluated.

Ownership

Burgert van Rooyen.

General Description

A mid maturing Valencia with good internal quality and appearance. In the Letsitele area fruit matures in late July.

Tree Characteristics

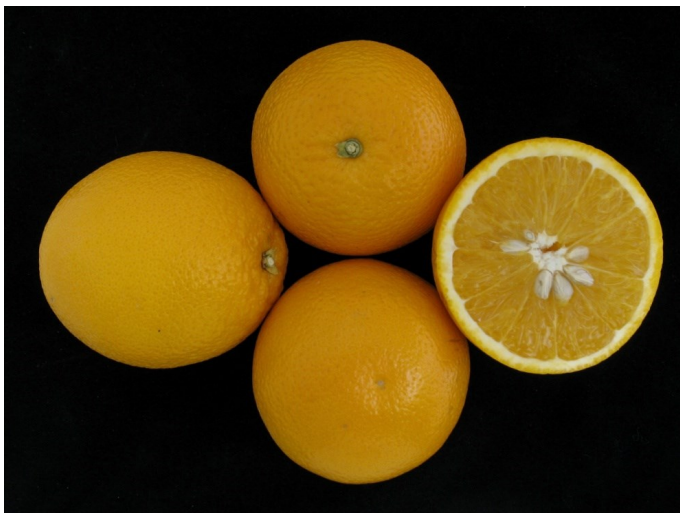
The tree is vigorous and spreading showing good early production.

Rootstock Options

Suggested rootstocks are Swingle citrumelo and Carrizo/Troyer citrange, depending on soil type and whether plantings are on new or replant ground. Rootstocks inducing lower sugars and acid levels are not advised.

Fruit Characteristics

Fruit size is a uniform medium large to large with slightly coarse rinds. Fruit shape is round to elongated and fruit rind colour is uniform developing a deep orange at maturity. Henrietta fruit peel fairly easily, but rind oil is



Henrietta fruit showing typical shape, thin rinds and low seed content.

high on freshly harvested fruit. Internal flesh colour is orange and flesh texture is softer than standard Valencias. The trees being evaluated are still young, but to date internal quality and flavour have been good. Maturity is early July to early August depending on area. The majority of fruit vary from 90 to 80 mm (counts 48 to 64). Seed counts average 2 seeds per fruit.

Production

Yields of 50 to 60 tons per hectare are expected for mature orchards. Young trees bear well.

General

It is doubtful whether the Henrietta will require crop manipulation as yields to date have been promising. Harvest, packing and shipping requirements as well as post harvest disorders should be as for other Valencias.

Status, Area Suitability and Availability

Experimental - suitable Valencia areas. Sufficient quantities of propagation material are available from the Citrus Foundation Block.



Three year old Henrietta tree showing typical spreading growth and good production of large fruit (tree height 2m).

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Key References

The information in this fact sheet is based on evaluations by Citrus Research International.

Evaluation Data

Internal Quality - Henrietta on Carrizo citrange - Count 56						
Date	Juice %	Brix	Acid	Ratio	Seed	Colour
11/06/2009	56.3	9.2	1.13	8.1	2.8	1-2
23/07/2009	57.1	10.9	1.01	10.8	2.1	1
07/08/2009	57.2	11.0	0.86	12.8	1.3	1

Count Distribution

There is insufficient information at this stage to give an accurate count distribution.

Production

There is insufficient information at this stage to give accurate production data.

Export %

There is insufficient information at this stage to give accurate export data.

Comments

The Henrietta has shown promise to date and could be of value in spreading the Valencia season in the future.