

Carninka Navel

Origin

A tree mutation on Swingle citrumelo rootstock discovered in a Palmer navel orchard on the farm of D. Rautenbach in the Patensie area during 2005. It is currently at the experimental stage and has not yet been released commercially in South Africa.

Ownership

D. Rautenbach - Agent - Citrogold.

General Description

A very late maturing navel with excellent internal quality and external appearance. In the Patensie area of the Gamtoos Valley fruit matures late August to early September; fruit hangs well on the tree even into October. This navel selection could extend the navel season to the end of our current Valencia season.

Tree Characteristics

The tree is similar in growth, shape and yield to other average navel selections, depending on soil type and whether plantings are on new or replant ground. Vigour is also similar to normal navels.

Rootstock Options

Suggested rootstocks are Swingle citrumelo and Carrizo/Troyer citrange. Rootstocks inducing lower sugars and acid levels are not advised.

Fruit Characteristics

Fruit are a uniform medium large. Navel ends are very small to closed. Fruit shape is round and rinds are smooth, similar to average navel selections. The fruit rind develops a deep orange colour. Peelability and rind oil are reasonable and similar to most other Navel selections. Internal flesh colour is orange and flesh texture is soft and tender. The flavour is excellent with high sugars, acid levels and a ratio of 10:1 in late August to early September. It is currently the latest maturing navel selection known in South Africa or elsewhere. Fruit size ranges from 75 to 85 mm with normal crops.

Production

The first progeny of this cultivar are now in bearing and yields are typical for trees of this age. The parent tree has been used to produce trees for the second stage of the evaluation so yields have been reduced due to budwood cutting.

General

The Dansweet does not require crop manipulation and it is not susceptible to any pests and/or diseases other than those common to other navel selections. Harvest, packing and shipping requirements as well as post harvest disorders are as for other navels.

Status, Area Suitability and Availability

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

Key References

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



Three year old Dansweet tree on Swingle citrumelo showing typical growth and good yield on young trees (tree height 1.5m).

Updated: May 2012

Copyrights © 2011 Citrus Research International (Pty) Ltd. Reg. No. 2001/007745/07 All rights reserved. No part of this publication may be reproduced, photocopied, stored on a retrieval system, or transmitted without the express written consent of the represented parties.

Disclaimer: Information contained in this publication is provided as general advice only. For application to specific circumstances, professional advice should be sought.



Evaluation Data

Internal Quality - Dansweet on Swingle citrumelo - Count 56 - Gamtoos River Valley						
Date	Juice %	Brix	Acid	Ratio	Seed	Colour
23/08/2008	50.2	14.0	1.53	9.2	0	1-3
08/08/2008	55.9	14.0	1.62	8.6	0	1
21/08/2008	52.3	14.7	1.48	9.9	0	1
04/09/2008	54.2	14.9	1.48	10.1	0	1

Count Distribution

Insufficient data available to give an accurate count distribution.

Production

Insufficient data available to give accurate production.

Export %

Insufficient data available to give accurate export figures.

Comments

The Dansweet is an excellent quality navel that could play a substantial role in extending the season of superior quality eating fruit in the discerning markets.