

McClean Seedless Valencia

Origin

A seedless mutation of the nucellar McClean Valencia discovered in the 1980s at Swaziland Irrigation Scheme (SIS). In view of its low seed counts and good fruit size this selection was planted on a semi commercial scale at SIS, renamed IYSIS and now the property of Swaziland Fruit Cannery (Pty) Ltd. Production has been promising and this selection is considered to be a promising addition to the new range of Valencia selections being evaluated.

Ownership

CGACC.

General Description

A mid to slightly later maturing Valencia with good internal quality and appearance. In the Letsitele area fruit on young trees matures in late July.

Tree Characteristics

The tree is similar in growth and shape to other Valencias.

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 to medium large with smooth rinds. Fruit shape is round to slightly elongated and fruit rind colour is a deep orange at maturity. McClean SL fruit peel fairly easily and rind oil is low. Internal flesh colour is orange and flesh texture is softer than most other Valencias. The trees being evaluated are still young, but to date internal quality and flavour have been good. Maturity is late July to end August depending on area. The majority of fruit vary from 82 to 68 mm (counts 56 to 88). McClean SL is almost totally seedless.

Production

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

General

It is doubtful whether the McClean 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. Commercial quantities of propagation material are available from the CFB.



McClean SL fruit showing typical shape, rind texture and seedlessness.

Updated: November 2021

Copyrights © 2021 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.



Key References

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

Evaluation Data

Internal Quality - McClean SL on C35 citrange - Count 56 - Malelane						
Date	Juice %	Brix	Acid	Ratio	Seed	Colour
01/07/2009	61.6	11.3	1.20	9.4	0	1-2
17/07/2009	60.8	11.9	1.14	10.4	0	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 McClean Seedless has shown promise to date and could be of value in spreading the Valencia season in the future.