



McClellan SL valencia

- The McClellan SL valencia was discovered in Swaziland and is currently the property of Veldman and Esselen.
- The McClellan SL valencia is protected by the Plant Breeders' Right in terms of the Plant Breeders' Rights Act, No. 15 of 1976 (as revised), which prohibits illegal propagation (PTR No. PT 3601).
- The McClellan SL valencia will be marketed under the Seedless Valencia Quality Standard or as normal valencias because they are seedless and consequently conform to the export standards of both.

Origin and use

The origin of the McClellan SL valencia is a natural mutation in a McClellan valencia orchard on the IYSIS farm in Swaziland.

The McClellan SL valencia was chosen exclusively for its seedlessness, good production and fruit size in comparison with the Olinda valencia. Further characteristics of the McClellan SL are similar to those of the old clone valencia.

Fruit Characteristics

The fruit size is usually medium to large, but may set excessively in good fruit setting years. Fruit size should then be controlled.

The ripening time is slightly earlier than other late valencias. However, the fruit hang because of their firmness and high internal quality. The external colour of the fruit improves if the fruit are hung on the tree.

The fruit shape is predominantly round and the fruit are seedless. The peel is smooth and develops a deep orange blush if the fruit are hung. The fruit are juicy with a high internal fruit quality.

Tree characteristics

The tree characteristics of the McClellan SL valencia are the same as those of other late valencias. Production is good and the fruit tend to set well.

The McClellan SL valencia is compatible with various rootstocks, trifoliate rootstocks like Troyer and Carrizo Citrange and Swingle Citrumelo. It is also compatible with rough lemons and Volkameriana.

Climate requirements

The climate requirements of the McClellan SL valencia are the same as in all the valencia production areas in South Africa, but it is especially suited to warmer areas where fruit set is a problem with the Delta valencia.



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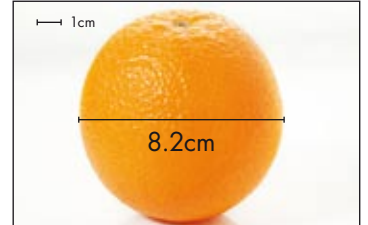
Tree with fruit



Florescence



Leaf shape



Fruit shape and size

McClean SL late maturing valencia – Technical information

Hybrid	Natural Mutation from McClean valencia
Origin	IYSIS, Swaziland
Ownership	Esselen and Veldman
Selected	1995
PBR registration	SAPT 3601

Internal quality tests				
Test date	Juice %	Brix°	T.Acid %	Brix / TA Ratio
27/07/01	58.1	11.92	0.82	14.54

Tree characteristics	Similar to other old clone varieties
Fruit size	Range from medium to large (68mm – 82mm)
Fruit shape	Round to slightly oblong
External appearance	Smooth rind, firm fruit
Internal appearance	Orange colour with even segments
Peelability	Moderate and oily
Seed	0 – 0.5 seeds average per fruit
Flavour	Juicy with a good flavour

Optimum ripening date	Hot inland areas: end July to end August Cape regions: end August to end September
Alternate bearing or other problems	Alternative bearing can be a problem; fruit size manipulation is necessary in "on" years.
Rootstocks used in evaluation	Troyer and Carrizo Citrange

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