

Genoa Lemon

Origin

The Genoa originated in Genoa, Italy from where it was taken to California during 1875. It is a Eureka type and is the principle variety grown in Argentina and Chile. It was released around 1998 in South Africa.

Ownership

Open.

General Description

A dense tree of the Eureka type, earlier maturing and with one main set.

Tree Characteristics

The tree is vigorous with a spreading, dense growth habit. It is more cold resistant than Eureka. Like the Eureka it is substantially less thorny than Lisbon types.

Rootstock Options

Although it is described as being in the Eureka group, trials in South Africa have shown that it is compatible with trifoliolate orange and its hybrids. Trial results have not shown any incompatibilities even on Swingle citrumelo, which is extremely incompatible with Eureka. Genoa trees on Swingle citrumelo and Rangpur lime are considerably smaller than on Rough Lemon and Volckameriana.

Fruit Characteristics

The Genoa appears to have one main set. Fruit size is larger than Eureka and Lisbon. It has a smooth to occasionally coarse, but thin, rind and sometimes high shoulders with good juice levels. Fruit tends to be

rounder than other lemons with a small shoulder. Rind colour is earlier than Lisbon. Seed counts can vary from nil to 6 per fruit in cold areas, but can be substantially higher in hot areas. The main crop is harvested during late June/early July in the Cape regions and approximately 4 weeks earlier in warmer areas.

Production

Six year old trees on Rough Lemon in Citrusdal gave 53 tons per hectare.

General

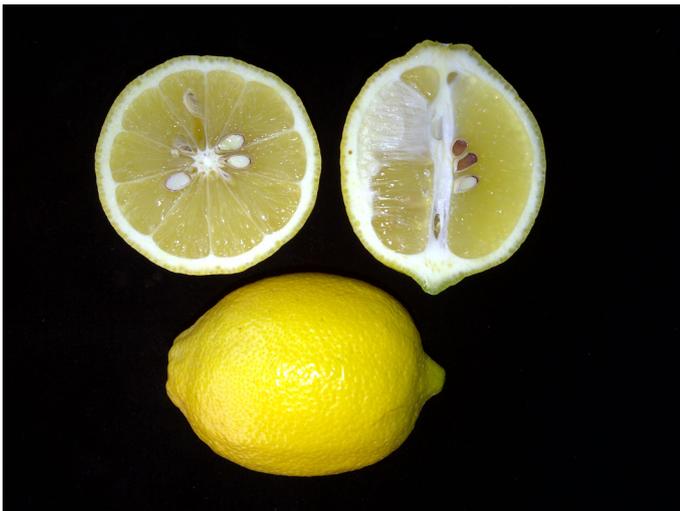
Genoa Lemon does not require crop manipulation but is susceptible to sunburn and wind blemish. Thrips can be a problem in certain areas as well as Citrus Black Spot. Genoa is fairly tolerant to greening disease. Harvest, packing and shipping requirements are as for Eureka and other lemons. However, Peteca spot can be a problem in certain years. Endoxerosis which is a form of granulation can occur in well coloured, over mature fruit, depending on area and climate.

Status, Area Suitability and Availability

Genoa lemon is a new selection in South Africa and has only been planted on a limited scale to date - 2% of total lemon plantings. This cultivar will probably perform in all the traditional lemon areas of South Africa. However, fruit size may be too large, particularly in warmer areas. Commercial quantities of propagation material are available at the Citrus Foundation Block.

Key References

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



Genoa Lemon fruit showing typical shape, rind texture and seed counts.



Thirteen year old Genoa Lemon tree on Swingle citrumelo showing typical vigorous growth and tree shape (height 3.4 m)



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Evaluation Data

Internal Quality

Data still to be included.

Count distribution

Data still to be included.

Production

192 Kg per tree and 80 tons per hectare at 6m x 4m spacing (417 trees/ha).

Export %

Grade	Percentage
1	83
2,3 & 4	7

Comment

The Genoa Lemon is less vigorous than Lisbon types - more like Eureka - and the selection in South Africa has small to no thorns, depending on tree vigour and climate. Genoa lemons have not been grown on a large scale to date (2% of total). The fact that it has a single set could be of value to growers requiring a lemon cultivar with a single crop.



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