

# Orogrande Clementine

## Origin

A Nules Clementine mutant of unknown origin. The selection was released in South Africa in 1992.

## Ownership

Open.

## General Description

In Spain the Orogrande is reported to yield more fruit of larger and more consistent fruit size than Nules, as well as being slightly earlier maturing, similar to Marisol. In South Africa it appears to have variable maturity.

## Tree Characteristics

The tree has a fairly round shape, similar to Nules, although it can sometimes be slightly upright in growth habit - there are no thorns. Yields are good.

## Rootstock Options

Suggested rootstocks are Carrizo/Troyer citrange. Rootstocks inducing smaller fruit size, lower acid and later colour are not advised. Mandarin rootstocks can also be considered.

## Fruit Characteristics

Fruit size is variable, mainly medium to medium large, but slightly smaller than Nules. Fruit shape is rounder than usual for Clementines with a smooth rind and good colour. The flavour is good, with high sugars, but acid levels can be borderline (low), normally less than 1.0% at maturity and lower in warm areas. Maturity has not been consistent in South African evaluations sometimes maturing slightly before to slightly after Nules. Fruit colour development is similar to Nules. In the cold citrus production areas maturity starts around the end of April to early May and around mid April in warmer areas.

## Production

Production is believed to be good, although figures are still to be included.

## General

Manipulation requirements are similar to other Clementines. The Orogrande is not susceptible to any pests and diseases other than those common to all Clementines. Harvest, packing and shipping requirements are as for other Clementines.

## Status, Area Suitability and Availability

The Orogrande has only been evaluated experimentally in South Africa, except for one semi commercial orchard in the East Cape. In experimental plantings it has shown no real benefit over any other selections and has therefore not been planted on a commercial scale. It appears more suited to the cold citrus production 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.



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## Evaluation Data

### Internal Quality

Still to be included.

### Count Distribution

| Count | 1XX | 1X   | 1    | 2    | 3    | 4   | 5   |
|-------|-----|------|------|------|------|-----|-----|
| %     | 7.8 | 12.6 | 27.9 | 27.2 | 18.8 | 3.8 | 1.9 |

### Production

60 Kg per tree and 60 tons per hectare at 5 x 2m spacing - planted in 1999.

### Export %

| Grade | Percentage |
|-------|------------|
| 1     | 68         |
| 2     | 13         |
| 3     | 19         |
| 4     |            |

**Note:** These data are from 11 year old trees in the Patensie region of the Gamtoos River Valley of the Eastern Cape for the 2008 season.

### Comments

This is a relatively unknown Clementine selection in South Africa. From the figures obtained from one small commercial planting it is evident that the Orogrande's fruit size is larger than other Clementine selections and further evaluation needs to be considered.



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