

# Powell Summer Navel

## Origin

A tree mutation discovered in 1986 in Curlwaa, Australia on the property of Neil Powell.

## Ownership

Protected by non-propagation agreement and managed by CGA Cultivar Company.

## General Description

A late maturing navel with very good internal quality and external appearance. In the East Cape citrus areas fruit matures late June to mid July. In South Africa six late maturing navel selections from Australia have been tested and to date Powell has been planted on a limited basis. This navel selection could help to extend the navel season although plantings have not been excessive.

## Tree Characteristics

The tree is similar in growth, shape and yield to other navel selections. Vigour is also similar to normal navels.

## 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 fairly uniform medium large. Navel ends are small to closed. Fruit shape is round. The fruit rind develops a deep orange colour at maturity. Peelability and rind oil are reasonable and similar to most other

navel selections. Internal flesh colour is orange, and flesh texture is tender. The flavour is very good with a ratio of 10:1 early in July. Fruit size ranges from 73 to 88 mm (Counts 48 to 72) with normal crops.

## Production

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

## General

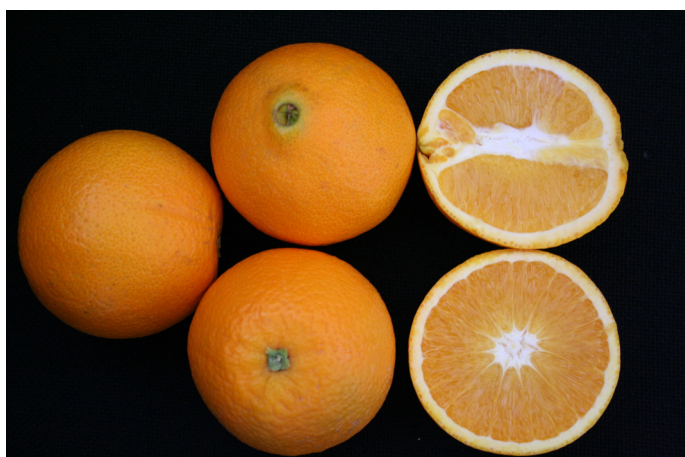
The Powell does not require crop manipulation and it is not susceptible to any pests and/or diseases other than those common to other navel selections. Harvest, packing and shipping requirements as well as post harvest disorders are as for other navels.

## Status, Area Suitability and Availability

Commercial - suitable navel areas. Commercial quantities of propagation material available from the Citrus Foundation Block.

## Key References

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



Powell fruit showing typical rind texture, colour and shape; navel end varies from small to closed.



Five year old Powell Summer tree on Carrizo citrange showing typical production and fruit size (height 2.5m).



Version 1: May 2012

## Evaluation Data

Internal Quality - Powell Summer on Swingle citrumelo - Count 56 - Sundays River Valley						
Date	Juice %	Brix	Acid	Ratio	Seed	Colour
26/06/2008	51.5	10.0	1.05	9.5	0	3-4
08/07/2008	50.4	10.9	1.09	10.0	0	1-3
22/07/2008	52.8	13.2	1.13	11.7	0	1-2

### Count Distribution

Count	32	36	40	48	56	64	72	88	105	125
%	0.7	4.7	6.4	16.6	33.2	19.3	11.1	6.0	1.9	0.1

### Production

21.9 Kg per tree and 12.2 tons per hectare at 6 x 3 m spacing.

### Export %

Grade	Percentage
1	30.7
2	29.2
3 & 4	40.1

**Note:** These data are from 4 year old trees in the Dunbrody region of the Sundays River Valley for the 2008 season.

### Comments

The Powell is a very good quality navel that could play an important role in extending the season of superior quality eating fruit.



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