

M7 maturity over the seasons 2005, 2006 & 2007



<u>5th April 2005</u>	<u>M7</u>	<u>7.5</u>
Juice %	36	34
Brix	11.6	9.7
Acid %	1.38	1.38
Brix/Acid ratio	8.4	7.0

Maturity comparisons have been conducted during the 2005, 2006 and current season with the Navelina 9.5 fruit from the tree that threw the M7 sport.

The Navelina fruit on this tree is comparable with other Navelina fruit on adjacent trees and the patch as a whole.

2006 was an unusual season with maturity of all early season fruit in our orchard being some 2-3 weeks later than is usually experienced.

The M7, however, still matured some 25-28 days ahead of the Navelina 7.5.



<u>10th April 2006</u>	<u>M7</u>	<u>7.5</u>
Juice %	43	41
Brix	9.1	7.7
Acid %	1.25	1.25
Brix/Acid ratio	7.3	6.2

This season the M7 is showing the same early maturity over the Navelina 7.5. The above photo was taken on the 12th April 2007.

<u>5th April 2007</u>	<u>M7</u>	<u>7.5</u>
Juice %	37	37
Brix	10.2	8.8
Acid %	1.25	1.08
Brix/Acid ratio	8.2	8.1

M7 shows both Brix and Acid significantly above the Navelina 7.5 with internal ripeness at the beginning of April sufficient to undertake gas colouring.

M7 PowerPoint® presentation

Greg and Susan Chislett have available to interested conference delegates a CD with a PowerPoint® presentation on the M7.

This presentation includes more detailed maturity results and an extensive photo gallery of the M7 as it has matured compared to Navelina 7.5 over the past several seasons.

Please feel free to approach either Greg or Susan if you would like a copy of the presentation.

Maintaining bud-wood integrity

With three navel orange varieties registered the Chisletts have in place a strict regime of ensuring that all bud-wood used in their state of the art nursery is taken from 'daughter' trees for a limited period before the trees are replaced.

This practice of ensuring that buds are harvested for a maximum of three grafting seasons from trees only two generations removed from the original sport limb significantly minimises the possibility of any reversion to the original host variety.

'Mother' trees, first generation propagation direct from the sport, and 'daughter' trees, second generation trees propagated from 'mother' trees, are constantly being replanted in a program that ensures all trees in both generations are replaced within a three year period.

This high level of bud-wood integrity combined with the Nursery's extremely high level of hygiene, the soil-less growing medium and the advanced system of sterilisation of fertigation water ensures that trees provided by Chislett Nurseries of the highest disease free status.

Chislett Nurseries were the first citrus nursery to be accredited to N.I.A.S.A. standards, an accreditation maintained for the past 4 years.