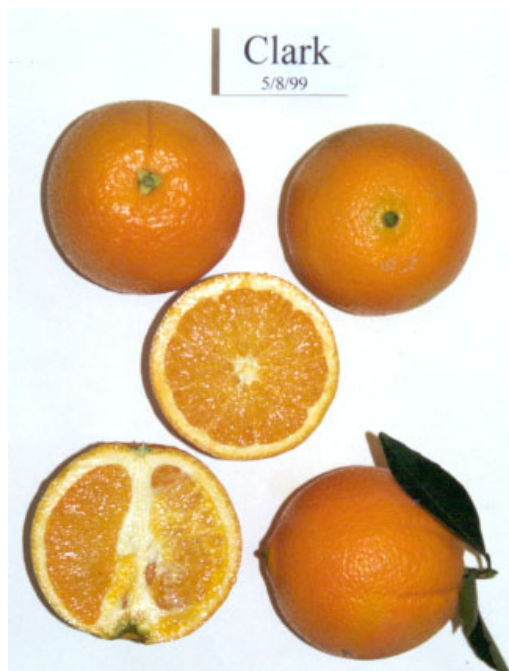


orange variety fact sheet

New Late Navels

Clark, Christensen, Hutton, Neilsen, Roberts, Rohde, Wiffen, Wilson



Origin

Clark navel is a selection from the property of Doug Clark at Trentham Cliffs, New South Wales, commercially propagated and distributed by Boulevard Nurseries at Irymple, Victoria. Christensen navel is a selection of Lane Late from the Murray Valley supplied commercially by Murray Valley Nurseries at Wood Wood, Victoria. Hutton navel is a selection identified in the mid-1980's on the property of Vern Hutton near Loxton, South Australia. Neilson navel is a selection identified in the early 1980's on the property of Jack Neilson at Waikerie, South Australia. Roberts navel is a selection sourced from the property of Bill Roberts at Gol Gol, New South Wales, but originated from Griffith, New South Wales. Rohde navel is a selection identified in the mid-1980's by the McLaren Management Group at Iraak, Victoria. Wiffen navel is a selection identified in the early 1980's on the property of Ivan Wiffen at Nangiloc, Victoria. Wilson navel is a selection identified in the early 1980's on the property of Paul Wilson near Taylorville, South Australia.

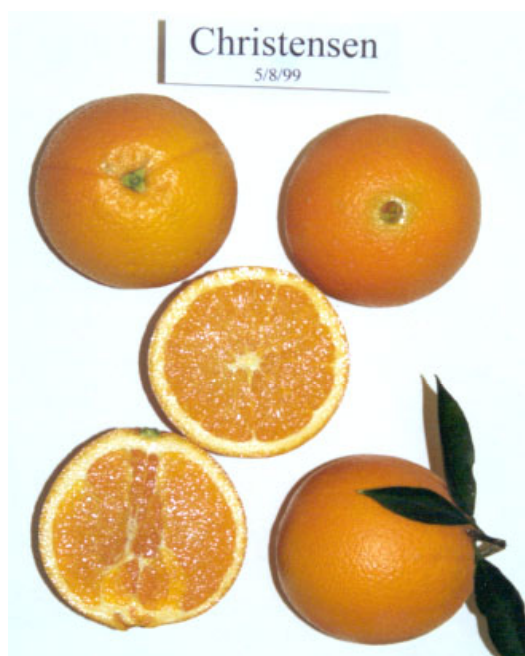
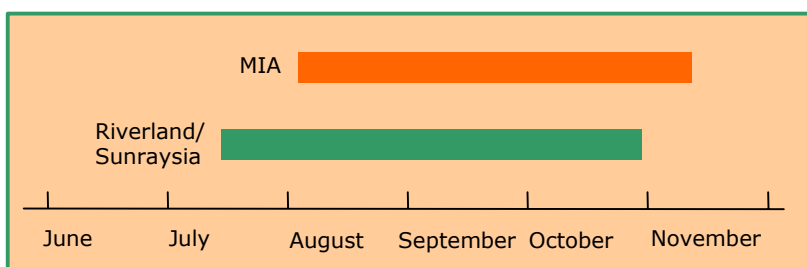
Type

Navel orange, seedless, mid-late season. Potential for export to the United States and Asia.

Market

Fresh fruit potential, domestic and export markets.

Marketing season (estimated)



Internal quality

Neilson and Roberts navels are internally mature after Washington navel but before Lane Late navel. Neilson and Roberts navels can be characterised as late Washington navel selections. All other new late navel varieties listed have internal maturity similar to Lane Late navel.

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External quality

Roberts navel is characterised by smooth rind but fruit size is smaller than Lane Late navel. Neilson fruit have a tendency to re-green earlier than Lane Late navel.

Postharvest performance

Storage performance and response to ethylene de-greening to be determined.

Field performance

Clark navel has shown high early yields and medium to large fruit size. Rohde navel trees sometimes display a tendency to secondary cropping in young trees. Neilson navel is characterised by slow tree establishment in replant sites.

All late navels can be held on the tree late in the season with appropriate cultural management techniques. Late holding of fruit requires treatment with gibberellic acid to maintain rind quality and 'stop-drop' spray(s) to prevent fruit drop.

It should also be noted that most trial evaluation of late maturing navels has been performed in the Sunraysia and Riverland regions in sandy soils using citrange rootstocks. It may be possible to extend the marketing season of late navels with the appropriate choice of climatic conditions, aspect, soil type and rootstock. Cooler growing conditions (eg. MIA), heavy clay soils and the use of *Poncirus trifoliata* and Swingle citrumelo rootstocks all have a tendency to delay fruit maturity. Production of high quality late navels requires careful consideration of production inputs in combination with variety selection.

Pest and disease

No specific pest and disease problems have been noted to this point.

Extent of plantings

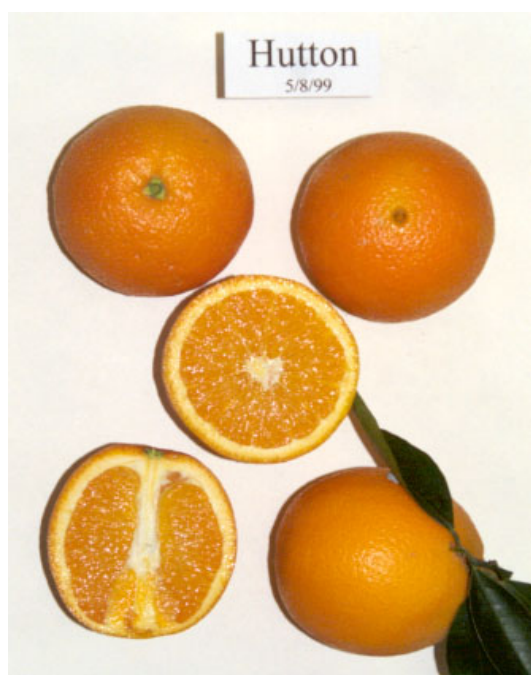
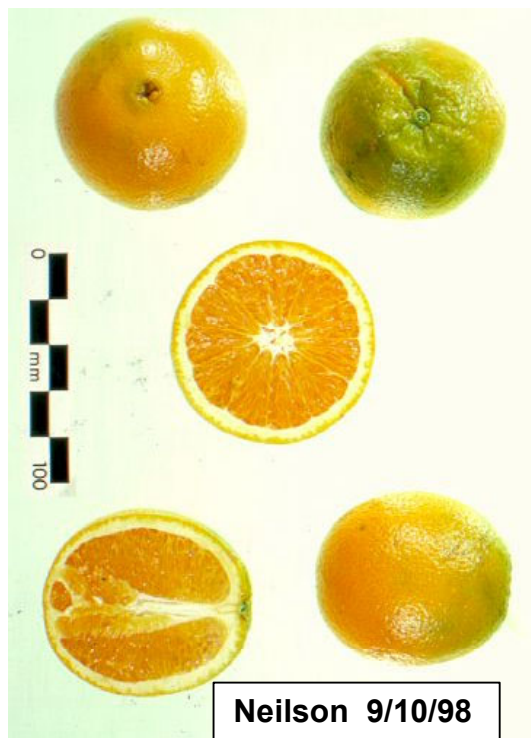
Limited to research experiments and small commercial plantings. The most widely planted of the varieties listed above is Christensen navel. There has also been some recent commercial interest in Clark and Rohde navels.

State of knowledge

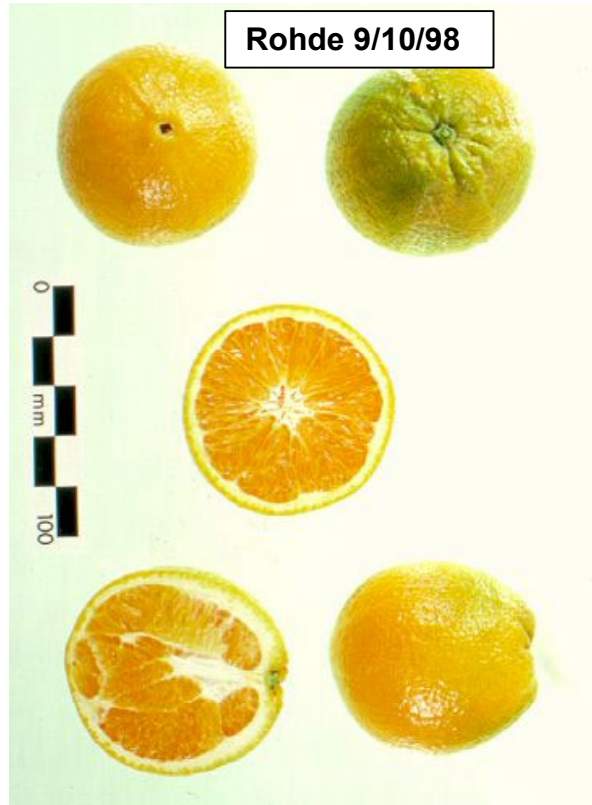
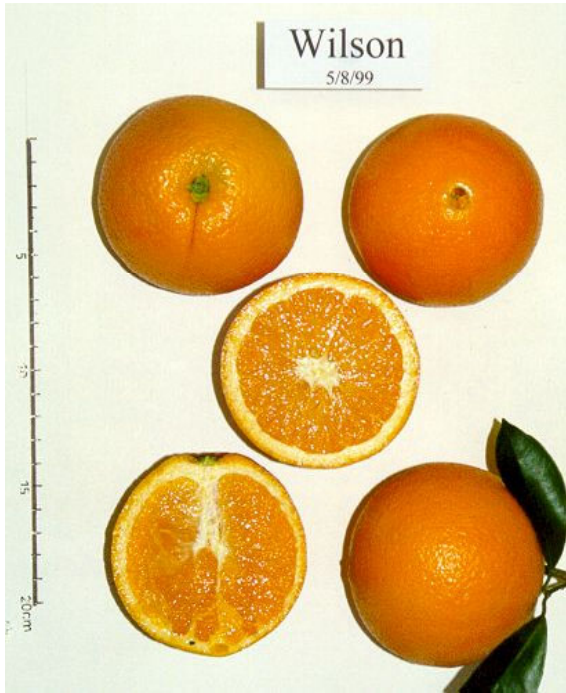
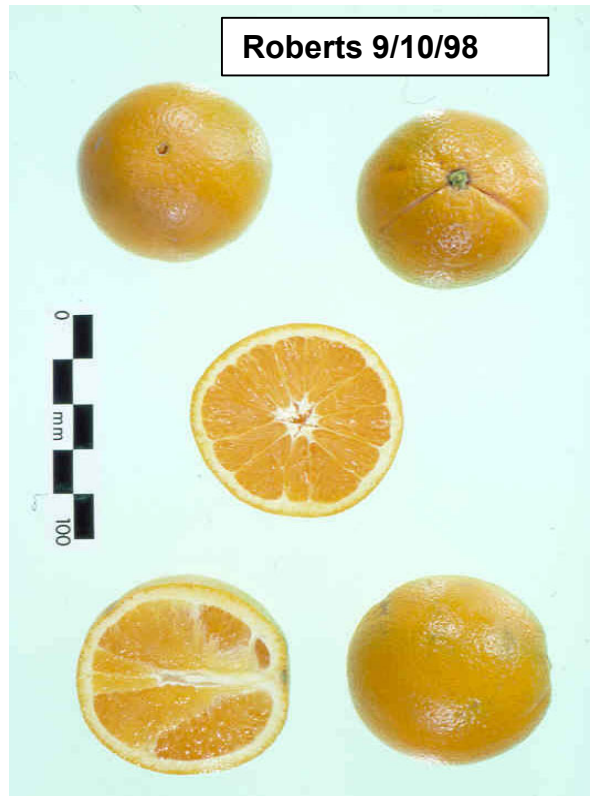
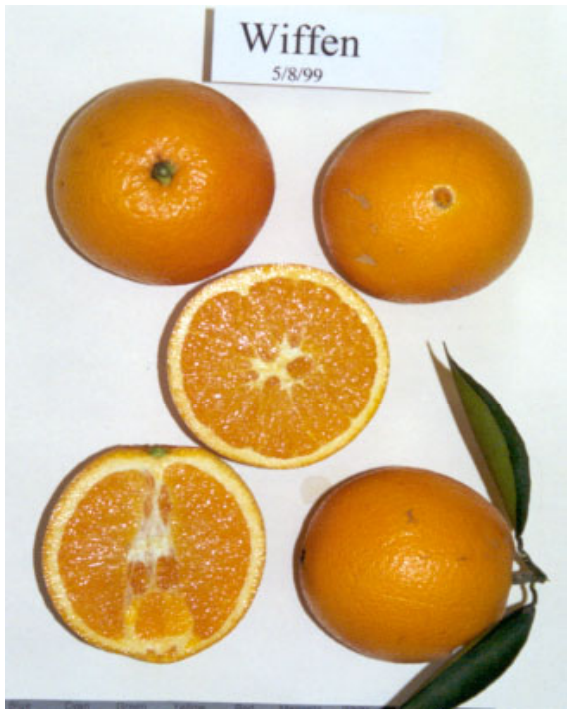
very
limited



very
high



All varieties listed on this sheet are currently minor commercial varieties. Clark and Christensen are available through selected nurseries only and are not currently available as a public varieties



Last Revised: July 2002

Disclaimer:

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

