



APPLICATIONS UNDER EXAMINATION

TANGOR

TANGOR
(Citrus reticulata x Citrus sinensis)

Proposed denomination: 'CODE 66 75'
Application number: 13-8086
Application date: 2013/07/22
Applicant: Craig Robert Pressler, Emerald, Queensland, Australia
Agent in Canada: Bereskin & Parr, Toronto, Ontario
Breeder: Craig Robert Pressler, Emerald, Queensland, Australia

Varieties used for comparison: 'IRM1' and 'Murcott'

Summary: *The fruit of 'CODE 66 75' has absent or few radial grooves at the stalk end whereas the fruit of 'IRM1' has many radial grooves at the stalk end. The fruit skin of 'CODE 66 75' is predominantly yellow orange whereas the fruit skin of 'Murcott' is predominantly green brown.*

Description:

TREE: upright growth habit

FRUIT: matures late season, medium length, medium diameter, medium length to diameter ratio, broadest part at middle, slightly rounded at proximal end, no neck, absent or few radial grooves at stalk end, no depression at stalk end, flattened with present but slight depression at distal end, no areola, navel opening is absent or very rare

FRUIT SKIN: predominantly yellow orange (RHS 21A)

FRUIT RIND: thin, medium adherence to flesh

FRUIT FLESH: yellow orange (RHS 23A)

FRUIT JUICE: high total soluble solids, medium acidity, high brix to acid ratio

SEEDS: absent or very few from both manual self-pollination and open-pollination, polyembryonic

Origin and Breeding: 'CODE 66 75' originated from an induced mutation of 'Honey Murcott' in 1996, in Emerald, Queensland. Treated buds were budded onto Troyer citrange rootstock during June 1996. The trees that survived were then field planted in Emerald during autumn 1997. As trees commenced fruiting the fruit were cut and inspected for seed numbers from different limbs on each tree. This procedure was carried out during July of 1998, 1999, and 2000. Bud wood of 'CODE 66 75' was selected for consistent low seed count. A further generation of 'CODE 66 75' trees were planted from selected material in 2001 and used for comparative trials.

Tests and Trials: The detailed description of 'CODE 66 75' is based on the UPOV report of Technical Examination, grant number 2923, purchased from the Plant Breeders' Rights Office, Intellectual Property Australia. The trials were grown in Emerald, Queensland and tested by the Plant Breeders' Rights Office, Intellectual Property Australia in May 2004. The colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour chart.

Comparison table for 'CODE 66 75'

	'CODE 66 75'	'IRM1'*	'Murcott'*
Colour of fruit skin (RHS)			
predominant	21A	21A	153A

*reference varieties



Tangor: 'CODE 66 75' (right) with reference variety 'IRM1' (left)