

LEANRI MID-RIPENING MANDARIN HYBRID

GENERAL INFORMATION

Parentage	Induced mutation of Furr (Clementine x Murcott)
Origin	Esselen Nursery, Malelane, Mpumalanga, South Africa
Status	Semi-commercial*
True-to-Type status	Confirmed in field in June 2016 - Citrus Foundation Block confirmation pending

RELATIVE INTERNAL QUALITY TESTS

	Nova	Leanri	Nadorcott
Juice%	48 - 52	55 - 65	50 - 60
Brix°	11 - 14	11 - 13	11 - 15
T.Acid%	0.7 - 1.3	0.7 - 1.2	0.8 - 1.5
Brix/TA Ratio	10 - 17	11 - 14	10 - 11



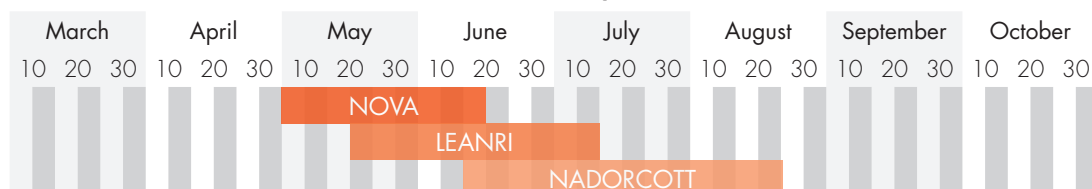
TREE CHARACTERISTICS

Growth habit	Trees are initially upright and dense, spreading as they develop
Rootstocks used to date	Oldest trees on Carrizo Citrange and MxT (topworked 2006). Recent plantings have been made using C35, X639, Sunki Benecke and Swingle citrumelo. No signs of incompatibility have been noted to date
Alternate bearing	Alternate bearing can lead to excessively large fruit in the off-year. Fruit set manipulation may be required in warm production regions
Alternaria alternata susceptibility	More susceptible than Nadorcott, but less susceptible than Nova

FRUIT CHARACTERISTICS

Fruit size	Calibres 1 to 1XX (64 to 78 mm) in warm production regions and calibres 2 to 1X (62mm to 72 mm) in cool production regions
Fruit shape	Varies from slightly flat (similar to Nadorcott) to round (similar to Clementine)
External appearance	Fruit is firm with a smooth and rather thin rind which develops a deep orange colour at maturity. Easy peeling with a low rind oil content
Internal appearance	Even and large segments developing a deep orange flesh colour at maturity, with an open core
Seed	Average of two seeds per fruit tested in variety blocks – varying from zero to five. Average levels in solid blocks are expected to be lower. Pollen tested with aceto-carmin stain exhibited a 27.9 % viability
Creasing	Fruit is firm but is prone to creasing when harvested later than normal picking period
Cold sterilisation and storage	Fruit responds well to cold sterilisation and storage. Fruit from young trees may exhibit cubing/puffing if stored in telescopic boxes

RIPENING CALENDAR (Southern Hemisphere)



*See status descriptions at www.citrogold.co.za