

Cultivar	Beaumonts (695) HYBRID	A4 (Australian HYBRID)	A16 (Australian HYBRID)	Nelmak 2 (N2) HYBRID	791 (Fiji) INTEGRIFOLIA	344 INTEGRIFOLIA	788 INTEGRIFOLIA	816 INTEGRIFOLIA	814 INTEGRIFOLIA	842 / 849 INTEGRIFOLIA
Leaves	Very spiny (spikey) making pruning uncomfortable.	Medium length, narrow, pointed tip. Spiny, similar to Nelmak 2.	Short length, wide, slightly pointed tip. Spiny, similar to Nelmak 2	Spiny	Medium length and width with a slightly pointed tip.	Short length and narrow width with a slightly pointed tip.	Wavy edges.	Medium length and width with a rounded tip. Lighter green, smooth edged	Long and wide with a slightly pointed tip.	Long, wide, rounded tip. Quite spiny.
Bearing age	Bears from Year 3. Prolific yield.	Bears from Year 3/4 (slightly earlier than A16) Good yields.	Bears from Year 3. Good yields.	Bears from Year 4.	Very high yields at a young age.	Precocious - starts bearing early		Bears from Year 4 - 5. Relatively low yields: 2 - 2,5t/h	Precocious - starts yielding early	Bears from Year 4.
Yield										
Fruit visual										
Quality	A smaller nut. Average 33% TKR	Large oval kernels with thin shells. TKR average 39-40% with over 50% on KZN south coast.	Large oval kernels. Thin shells. TKR average 35 - 40%	Generally large kernels but can be variable in some seasons. TKR av 36%.	Inherent kernel defects in some conditions. Up to 40% whole kernel 31% TKR in Mpum 40% TKR on South Coast.	Flat, ridged, dull cream kernel.	Thick, dense husk. Over 45% TKR. 51% whole kernel.	Perfectly round, creamy white kernels TKR over 44% Whole kernel of 62-65%	High yields. Small kernels (1,8 - 2g) TKR 35-38% 47% whole kernel. Small husk is easily removed.	TKR over 35% in hot climate 842 has slightly higher SKR than 849.
TKR										
Style Spread										
Flowering	Late - Aug/Sept. Crimson flush of richly fragranced flowers.	Late - Sept. Pink hue flowers.	Late - Sept / Oct. Pink hue flowers	Multiple: Late July & early Sept. Pink hue flowers	Extended out of season flowering. White flowers.	Early flowering in May/June Main flowering in Aug / Sept White flowers.	Multiple throughout the season, mostly early. White flowers.	Mid season. White flowers.	Mid season White flowers.	First in early July, second in August. White flowers.
Harvesting	June - Sept. Requires physical stripping or Ethapon to release nuts.			Tends to bear in alternate years.	Husk tends to adhere.	Tends to tight bunches, particularly with light flowering		15 - 20% "stick tights" (ie: need to be stripped from the tree.		
Susceptibilities	Blossom Blight. Drought - up to 50% yield decline after dry spell.	Thrips. Wind.	Thrips. Wind - even more so than A4.	Struggles to recover from drought.				Phytophthora. Thrips on new flush. Not tolerant of ethapon.		
Climatic preferences	Doesn't perform well within 100m of sea level. Does better in a cooler climate.	Does better in a cooler climate.	Does better in a cooler climate.	Tends to loose quality at higher altitudes. Does better in a cooler climate.			Good tolerance of salt air & drought conditions. Prefers cooler, low altitudes. Not good in heat.	Needs well-drained soils.	Tolerant to higher altitudes, delivering consistent TKR.	Yields well in heat.
Growth Habits / pruning considerations	Easily trained. Vigorous growth. Dense canopy.	Viney, brittle branches - tend to bend/break/lean in wind. Open canopy.	Very viney (more than A4) and upright, brittle branches - tend to bend/break/lean in wind.	Spreading - needs little training.	Open - long vertical stems and horizontal branches - needs training.	Compact, very dense tree when young. Upright growth habit.	Open growth habit.	Very upright. Needs deliberate training from young age to avoid small, late yields.	Spreading. Lateral branches and wide crotch angles. Easy to train	Open although 842 tends to be more upright.
General Characteristics or Comments.	Slightly knob-bly husk. Best root stock. Very resilient in SA conditions.	Highly recommended that you make at least one of these a part of your cultivar choices, although A16 is yet to prove itself in the lowveld.		Temperature extremes cause chlorotic-looking young leaf flushes.	Popular in far Northern Mpumalanga.	Light flowering	Easiest cultivar to graft. Different cultivar to the Nelspruit 788.	Needs 20% more nitrogen than other cultivars.	Needs 15-20% more nitrogen than other cultivars when in heavy bearing phase.	

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