

VARIETY "J" FACTSHEET

BACKGROUND

Variety "J" is a new Macadamia variety released to the industry as a result of the National Macadamia Industry Variety Improvement program. Data has been collected on the new macadamia varieties from Regional Variety Trials (RVT's) across production regions in Queensland and New South Wales. These trials have been measuring kernel, tree, disease and processing qualities for the past 2 years and nut-in-shell yield for 4 years.

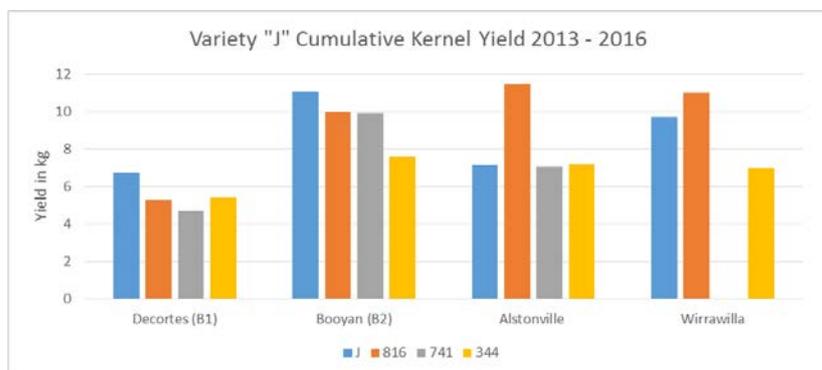
DESCRIPTION

Variety "J" is a moderately large, spreading tree. Tree volumes at Booyan, Bundaberg, are 40.5m³ while 816 is 39.2m³, 741, 49m³ and 344, 37.7m³ for 8 year old trees.

Variety "J" has a cumulative kernel yield for the 4 years 2013 to 2016 of 11.041kg for 8 year old trees at the Booyan RVT. In the same trial site 816 had 9.976kg, 741 had 9.901kg and 344 had 7.577kg.



8 year old variety "J" at Booyan



Variety "J" has a kernel recovery of 46% in the Bundaberg region compared with 816 (45%), 741 (38%) and 344 at 34%. Trees of "J" have a canopy efficiency of 106g/m³ at the Booyan RVT site. At the same site 816 was 95g/m³, 741 was 78g/m³ and 344 was 83g/m³.

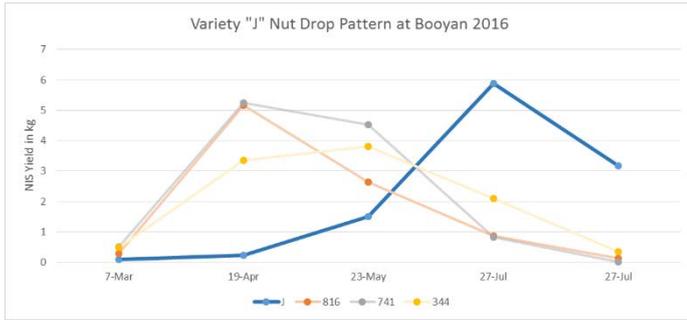
"J" flowers mid-late season in September with a peak harvest season in July in Bundaberg. Nut drop is mid to late season. Most of the nuts fall in July in Booyan.



Variety "J" kernel



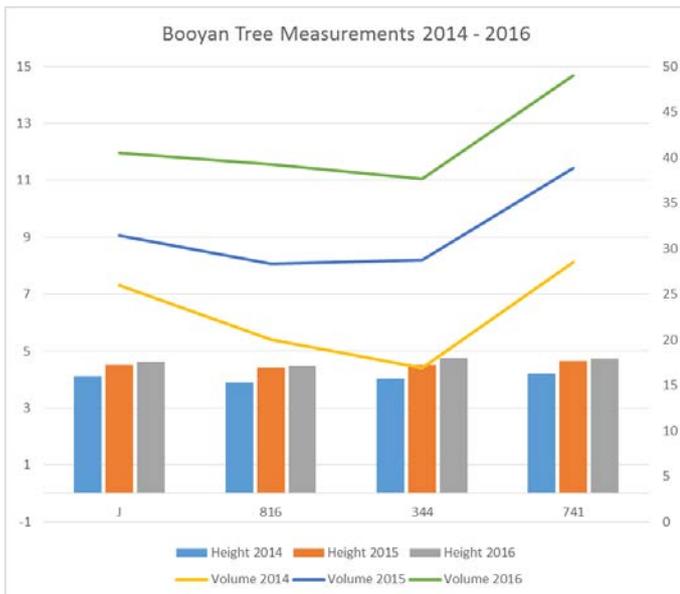
Variety "J" nut and shell



"J" is a similar size tree to 816 but smaller than 741 and out-yielding these industry standards in some blocks in Bundaberg.

Trees of "J" have a low rating (0.25 out of 5) for husk spot at Wirrawilla however it does have a low to moderate level of sticktights. Trials at Wirrawilla with 8 year old trees show no evidence of Abnormal Vertical Growth (AVG) and rated 0 out of 2 while the industry standard 344, rated 1.36 out of 2.

Variety "J" Yield and Tree Comparison				
Booyan				
Variety	J	816	741	344
Kernel Recovery (%)	44	45.2	38.3	34.2
Cumulative Kernel Yield (kg) ¹	11.041	9.976	9.901	7.577
kernel Canopy Efficiency (g/m ³) ²	106	95	78	83
Tree Volume (m ³)	40.5	39.2	49	37.7
Kernel KG per Ha (estimated) ³	1,398	1,172	1,205	976
¹ - Cumulative Kernel Yield 2013 - 2016 ² - 2016 (year 8) Kernel Canopy Efficiency ³ - Estimated kernel yield (kg/ha) for 312.5 trees per ha or 8m x 4m				



DISCLAIMER

The above information is sourced from the eight Regional Variety Trial (RVT) sites in Queensland and New South Wales. This is the best available information on variety performance with a maximum age of eight years old. Each RVT site is randomised and replicated with yield data collected from 2013 to 2016. The information provided here may not be suitable for all sites or regions as varieties perform differently in different locations. The Queensland Department of Agriculture and Fisheries, and Horticulture Innovation Australia provides the above information as a guide only and take no responsibility for the performance of the varieties on individual farms.