Indicators of Success

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Upper Quartile Cash Operating Surplus Provides the Benchmark Total Revenue
On Orchard Production Costs
Upper quartile compared to average costs of production

Total Orchard Gate Costs
Average $/ha
UQ $/ha

Total Orchard Gate Costs
Average $/kg
UQ $/kg
Labour Costs

![Graph showing Labour Costs](chart.png)
Cripps Pink

Upper quartile orchards have:

1. More yield
2. Better Packouts
3. Higher Prices
Yield and Profit

Yield (kg/ha) & Profit ($/ha)

-40,000 -20,000 0 20,000 40,000 60,000 80,000 100,000

Tree Age

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Average of Gross kg Per Ha
Average of Class 1 kg Per Ha
Average of Profit per ha

Average of Gross kg Per Ha
Average of Class 1 kg Per Ha
Average of Profit per ha
Density and TCA

![Graph showing density and TCA comparison with different categories and legend: <1500, 1500-2500, >2500.](image-url)
Density vs TRV

Tree Age

TRV (m³/ha)

0 1 2 3 4 5 6 7 8 9 10 11 12

0 2000 4000 6000 8000 10000 12000

<1500
1500-2500
>2500
An efficient compact canopy is an indicator of success
This is a good example of a mature efficient uniform canopy, cropping at about 100t / ha.

3rd Leaf Rosy Glo Intensive Planting Efficient uniform canopy
This orchard will never be high yielding. Too little canopy and too variable.

This canopy is inefficient. Big branches, strong growth, shading.
Tree Density vs Gross Yield

Yield (kg/ha)

Tree Age

- <1500
- 1500-2500
- >2500
Cripps Pink Packout vs Profit (trees > 5 years)
Class 1 yield vs profit

Class 1 yield (kg/ha)

Profit $/ha)

$\text{\textit{R}}^2 = 0.7278$
Planting density trends

Year planted:
- 1991-1995
- 1996-1999
- 2000-2003
- 2004-2007
- Total

Density group %:
- <1500 trees/ha
- 1500-2500 trees/ha
- >2500 trees/ha

Data for different density groups and years planted.
QL7 t & r

105 t / ha • 90% • Class 1 • 100 average count size

TRV 21790m³ / ha • 1333 trees / ha • MM 106
This open Tatura has similar yields to QL7, but only half the TRV. Note numerous small fruitful branches and lack of significant branch structure on the leaders.
QL6

47 t / ha • 85% • Class 1 • Average count size

TRV 9650m³ / ha • 1000 trees / ha • MM 106
NW15 April 09

15.4 trees / ha • 85% • Class 1 • 90 Average count size

TRV 5900m³ / ha • .666 trees / ha • MM 106
Conclusions

The main indicators of success are:

1. Rapid canopy establishment
2. Achieving early and high yields
3. High class 1 content
4. Focus on high orchard income rather than low costs
5. Attention to detail is the key to performance