

future orchards 2012
Monitor Block Data
Orchard Walk September 2009

Block Summary – NW22

Block Description

Block Name	NSW - Orange #22
Location	Orange, NSW
Variety	Fuji
Rootstock	BEF13
Density (trees/ha)	1483
Soil Type	Basalt
Replanted?	Yes
Year Planted/Grafted	2000
Irrigation Type	Undefined
Establishment Cost	\$20750/ha
Crop Type	Apple
Notes	

Block Profit Information

Year	Block Profit (\$/ha)	Gross Yield (kg/ha)	Grade 1 Yield (kg/ha)	Grade 1 Packout %	Fruit Size Count
2005	-12460	3478	0	0%	0
2006	5170	12647	8853	70%	0
2007	4641	14706	7353	50%	80
2008	5339	17074	14500	85%	0

Block Costs

Cost Type	\$/ha
Ground preparation for replanting	\$1100
Trees	\$12000
Planting	\$2200
Trellis	\$2500
Irrigation	\$2200
Other establishment Costs	\$750
Tree tying materials (year 2)	\$1500

Photos and TRV/TCA Growth Information

Date	TRV (m3/ha)	TCA (cm2)
September 2006	6666	49.14
April 2007		
August 2007	5777	53.80
April 2008		
September 2008	35000	71.65
April 2009		



	2008				2007				2006			
Tree Number	2015	Age:			1481	Age:			1481	Age:		
Area (ha)	1.36				1.36				1.36			
Density (trees/ha)	1482				1089				1089			
Yield	kg /tree	Gross kg/ha	Class 1 kg /ha	Tonnes /ha	kg /tree	Gross kg/ha	Class 1 kg /ha	Tonnes /ha	kg /tree	Gross kg/ha	Class 1 kg /ha	Tonnes /ha
Gross yield	11.52	17074	14500	17.07	13.50	14706	7353	14.71	11.61	12647	8853	12.65
Submitted to Packhouse	100%				100%				100%			
Packing cost	\$0.00				\$0.00				\$0.00			
Recovery and Returns	Class 1	Class 2	Process		Class 1	Class 2	Process		Class 1	Class 2	Process	
Packouts	85%	15%	0%		50%	50%	0%		70%	0%	30%	
Returns	\$1.50	\$1.20	\$0.17		\$2.00	\$1.00	\$0.10		\$2.30	\$0.80	\$0.08	
Average Size					80							
Direct Financial Result	\$ per Tree	\$/Gross kg	\$/Class 1 kg	\$ per Hectare	\$ per Tree	\$/Gross kg	\$/Class 1 kg	\$ per Hectare	\$ per Tree	\$/Gross kg	\$/Class 1 kg	\$ per Hectare
Income	\$16.76	\$1.45	\$1.71	\$24,838	\$20.26	\$1.50	\$3.00	\$22,059	\$18.98	\$1.63	\$2.33	\$20,665
Prune	\$3.00	\$0.26	\$0.31	\$4,445	\$2.50	\$0.19	\$0.37	\$2,722	\$1.25	\$0.11	\$0.15	\$1,361
Thin	\$0.00	\$0.00	\$0.00	\$0	\$0.00	\$0.00	\$0.00	\$0	\$0.10	\$0.01	\$0.01	\$109
Harvest	\$1.04	\$0.09	\$0.11	\$1,537	\$1.08	\$0.08	\$0.16	\$1,176	\$0.81	\$0.07	\$0.10	\$885
Additional orchard expenses	\$8.11	\$0.70	\$0.83	\$12,018	\$11.04	\$0.82	\$1.63	\$12,018	\$10.69	\$0.92	\$1.31	\$11,639
Management fee	\$1.01	\$0.09	\$0.10	\$1,500	\$1.38	\$0.10	\$0.20	\$1,500	\$1.38	\$0.12	\$0.17	\$1,500
Total Cost of Production	\$13.16	\$1.14	\$1.34	\$19,499	\$15.99	\$1.18	\$2.37	\$17,417	\$14.23	\$1.23	\$1.75	\$15,494
PROFIT	\$3.60	\$0.31	\$0.37	\$5,339	\$4.26	\$0.32	\$0.63	\$4,642	\$4.75	\$0.41	\$0.58	\$5,171

NOTES

2008

2007 Returns have not been specified by the grower, so default values have been used.

2006 Packouts and Returns have not been specified by the grower, so default values have been used.

NB - this report uses an "Orchard Gate" return, ie, post-harvest costs are netted off.

Analysis is based on actual yield, actual labour costs (pruning to harvest) and actual returns.

Additional orchard expenses and management fees are based on industry averages.



	2007				2006				2005			
Tree Number	1481 Age:				1481 Age:				1481 Age:			
Area (ha)	1.36				1.36				1.36			
Density (trees/ha)	1089				1089				1089			
Yield	kg /tree	Gross kg/ha	Class 1 kg /ha	Tonnes /ha	kg /tree	Gross kg/ha	Class 1 kg /ha	Tonnes /ha	kg /tree	Gross kg/ha	Class 1 kg /ha	Tonnes /ha
Gross yield	13.50	14706	7353	14.71	11.61	12647	8853	12.65	3.19	3478	0	3.48
Submitted to Packhouse	100%				100%				100%			
Packing cost	\$0.00				\$0.00				\$0.00			
Recovery and Returns	Class 1	Class 2	Process		Class 1	Class 2	Process		Class 1	Class 2	Process	
Packouts	50%	50%	0%		70%	0%	30%		0%	100%	0%	
Returns	\$2.00	\$1.00	\$0.10		\$2.30	\$0.80	\$0.08		\$0.00	\$0.50	\$0.00	
Average Size	80											
Direct Financial Result	\$ per Tree	\$/Gross kg	\$/Class 1 kg	\$ per Hectare	\$ per Tree	\$/Gross kg	\$/Class 1 kg	\$ per Hectare	\$ per Tree	\$/Gross kg	\$/Class 1 kg	\$ per Hectare
Income	\$20.26	\$1.50	\$3.00	\$22,059	\$18.98	\$1.63	\$2.33	\$20,665	\$1.60	\$0.50	\$0.00	\$1,739
Prune	\$2.50	\$0.19	\$0.37	\$2,722	\$1.25	\$0.11	\$0.15	\$1,361	\$0.75	\$0.23	\$0.00	\$817
Thin	\$0.00	\$0.00	\$0.00	\$0	\$0.10	\$0.01	\$0.01	\$109	\$0.00	\$0.00	\$0.00	\$0
Harvest	\$1.08	\$0.08	\$0.16	\$1,176	\$0.81	\$0.07	\$0.10	\$885	\$0.22	\$0.07	\$0.00	\$243
Additional orchard expenses	\$11.04	\$0.82	\$1.63	\$12,018	\$10.69	\$0.92	\$1.31	\$11,639	\$10.69	\$3.35	\$0.00	\$11,639
Management fee	\$1.38	\$0.10	\$0.20	\$1,500	\$1.38	\$0.12	\$0.17	\$1,500	\$1.38	\$0.43	\$0.00	\$1,500
Total Cost of Production	\$15.99	\$1.18	\$2.37	\$17,417	\$14.23	\$1.23	\$1.75	\$15,494	\$13.04	\$4.08	\$0.00	\$14,199
PROFIT	\$4.26	\$0.32	\$0.63	\$4,642	\$4.75	\$0.41	\$0.58	\$5,171	-\$11.44	-\$3.58	\$0.00	-\$12,460

NOTES **2007** Returns have not been specified by the grower, so default values have been used.
2006 Packouts and Returns have not been specified by the grower, so default values have been used.
2005 All fruit sold in bins at \$0.50/kg.

NB - this report uses an "Orchard Gate" return, ie, post-harvest costs are netted off.
Analysis is based on actual yield, actual labour costs (pruning to harvest) and actual returns.
Additional orchard expenses and management fees are based on industry averages.

NW22 – September 2008

