

Blueberry establishment and production costs

September 2015, Primefact 133, fourth edition

Phillip Wilk & Melinda Simpson, Industry Development - Blueberry, Wollongbar
Primary Industries Institute, Wollongbar NSW 2477

Blueberry production is capital intensive with high development and labour costs. However the short time interval between establishment and first returns with Southern Highbush varieties coupled with high demand and reasonable prices offsets the high costs and gives growers positive cash flow within only a few years.

The figures used in these estimates apply to an average farm situation and production costs over a five year period and they will vary from season to season and be influenced by the managerial skills of the owners.

The following calculations for northern NSW are based on the establishment and production costs for one hectare with 3700 plants for a 4 ha farm of blueberries. In northern NSW, growers using Southern Highbush redevelop blueberry beds in year 8-12 so the production cycle is from year 4 to year 8 to 10 (6 years).

Southern Australian establishment and production costs are based on one hectare with 2000 plants for a farm of 4 ha of blueberries.

Assumptions

All labour including the owner/manager has been costed at \$25.34/hour which is made up to include the NSW Horticulture Employees Award Rate (\$21.09) plus 9.5% superannuation, 5.45% payroll tax and 4.99% Workcover.

In many situations the owner/manager or their family may choose to ignore their own labour cost but these costs should be included when calculating a whole enterprise budget.

All machinery variable costs have been included for each operation under Fuel, Oil Repairs and Maintenance (FORM). It is assumed that the operator has a tractor (77-90 HP, 57 -66 HP), slasher and air blast spray unit. The machine cost for the tractor, spray and slasher has been costed at \$49.00/hr plus labour costs. The large bed former unit 125HP (93kW) tractor was also costed at \$49/hr plus labour costs.

The minimum size of an orchard necessary to achieve a reasonable scale of production is 4 ha provided the operator packs product with a packing group. It would be economical for an orchard 4 hectare in size or greater to pack their own product and they would need to include packing shed infrastructure. The costing for the packing shed and coolroom has been calculated and can be included if required but is usually treated as an infrastructure fixed cost and not included in gross margins.

In northern NSW there are 3700 plants per hectare in mounded rows 3m apart. Plants are 0.8m apart within the row. Each mature four year old or greater plant produces an average of 4kg of fruit per season. Some growers will obtain yields above this figure but many plants produce less depending on the season. Full production occurs in year 3 or 4 with the first year in the ground giving zero

production as most growers remove fruit and flowers to help in establishment. Year 2 plants yield 0.5-1kg and year 3 plants yield 2-3kg fruit.

In southern Australia there are 2000 to 2100 plants per hectare. Each plant produces 8-10 kg of fruit. Full production does not occur until year five.

Punnets are packed at 140g, which allows for 8-10% shrinkage given a nominal weight of 125grams per punnet. Trays weigh 1.5 kilograms (12 punnets) and prices range from \$60 early in the season down to \$20 dollars. \$30/tray and \$35/tray for southern Australia and northern NSW respectively, was used as an average price throughout the season.

The plant rows are covered with a poly weedmat with two irrigation lines laid beneath the mat at the time of hilling and woodchip mulch is applied around the planting hole to reduce weeds.

Southern Growers install permanent drip irrigation lines suspended 300mm above the beds attached to a wire trellis. Wood chip mulch is used instead of weedmat and is replaced annually. Costs include purchase and machine costs to spread the mulch.

Preliminary trials indicate that blueberries require 3-5ML/ha of water. Fertigation is the preferred method of supplying fertiliser to plants. A typical fertiliser injection system (D20 Dosatron®) and filters has been included in the establishment costs which includes installation. The double drip line delivers 1.3L/hr per dripper where the single delivers 1.6L/hr per dripper.

The costs of building a dam and providing liners, pumps, filters, mains etc. for a 4 ha orchard have not been included in the establishment costs due to the many variations that will be specific to a farm or site.

Chemical costs were collected from a local supplier and were correct at the time of publication.

Total exclusion netting is essential for production. The cost of netting one hectare is included on the gross margin, which is permanent bird netting supplied and erected by a contractor. The netting costs could be delayed until year 3 or 4 but is far more cost effective to erect netting before mounding and planting. Temporary netting will save initial set up costs but there will be an additional annual cost of removing and re-netting the orchard each season.

These costs are only a guide. They do not include overhead, fixed costs or GST.

The management practices or products outline in the budget does not imply a recommendation by NSW Department of Primary Industries. The management practices and products outlined in the budget are only a guide to costs and practices currently used in the field.

Tables for Northern NSW

Table 1: Blueberry establishment costs for Northern NSW (per ha)

Blueberry establishment costs	Operation	Unit	Units/ha	Unit cost	Total cost
Site establishment costs				\$/unit	\$/ha
Ground preparation machinery costs 77-90HP (57-66kW) tractor Fuel, oil, repairs, maintenance (FORM)	Herbicide application (FORM)	hours	2	\$49.00	\$98.00
	Herbicide cost	litres	4	\$11.30	\$45.20
	Herbicide labour	hours	2	\$25.34	\$50.68
	Deep ripping + plough (FORM)	hours	7	\$49.00	\$343.00
	Deep ripping labour	hours	7	\$25.34	\$177.38
	Sow green manure crop (FORM)	hours	1.5	\$49.00	\$73.50
	Green manure seed cost	kg	25	\$1.85	\$46.25
	Fertilise green manure	kg	100	\$0.40	\$40.00
	Labour for green manure fertiliser	hours	1.5	\$25.34	\$38.01
	Mark out rows	hours	4	\$25.34	\$101.36
	Rotary hoe roes (FORM)	hours	5	\$49.00	\$245.00
	Rotary hoe labour (2 people) – 125 HP (93 kW) tractor and mound/bank former	hours	5	\$25.34	\$126.70
Planting preparation machinery costs	Bed mounding (labour)	hours	35	\$25.34	\$886.90
	Weedmat laying and mounding (FORM)	hours	16	\$49.00	\$784.00
	Weedmat cost (1800mm wide) 50m roll and hardwood mulch around plants	metres	3300	\$0.90 \$1,800.00	\$2,970.00 \$1,800.00
Irrigation costs	Irrigation drip lines \$295/500m - 2 lines/row 1.3L/hr	metres	6600	\$295.00	\$3,895.00
	Dosatron fertigation system (D20) filters plus supply and install				\$6,500.00
Planting costs	Suscon Blue (Scarab control)	10kg	2	\$174.50	\$349.00
	Metalaxyl (Phytophthora control)	10kg	2	\$175.00	\$350.00
	Fertiliser (slow release)	25kg	1	\$29.35	\$29.35
	Plants (each) 3700/ha (5 Inch pot)	each	3700	\$8.10	\$29,970.00
	Replacement plants (5%)	each	185	\$8.10	\$1,498.50
	Planting labour (4 people 2 mins/plant)	hours	124	\$25.34	\$3,142.16
	Replacement labour (2 mins/plant)	hours	6.17	\$25.34	\$156.35
	Cutting and marking holes for plants (2 people)	hours	18	\$25.34	\$456.12
Netting costs	Poles, cables, bedlogs, bird netting	m ²	10,000.00	\$5.00	\$50,000.00
				Subtotal	104,171.46
New packing facilities	Packing shed (for 4 hectares of blueberries)				\$100,000.00
	Coolroom				\$50,000.00
	Air cond.				\$4,400.00
	Scales, tables				\$3,000.00
	Packing line				\$50,000.00
Subtotal packing facilities	Add to total establishment cost of building a shed				\$207,171.46
Total land preparation and establishment cost					\$104,171.46

Table 2: Blueberry gross margin for 1 ha, based on a 4 ha blueberry orchard in Northern NSW with 4 year-old bushes. Yield is estimated at 4kg per plant.

Description	Operation	Number	Units	Units/ha	Unit costs\$	Standard budget \$/ha	Your budget \$/ha
Income (A) sale of fruit		8706		trays/ha @	\$35.00	\$304.706	
Machinery operation (labour)	Mowing/slashing	10	hours	2	\$25.34	\$506.80	
	Pesticide application	12	hours	2	\$25.34	\$608.16	
	Fungicide application	12	hours	2	\$25.34	\$608.16	
	Herbicide application	4	hours	2	\$25.34	\$202.72	
	Weeding plant holes	3	hours	8	\$25.35	\$608.16	
	Machinery pump maintenance	11	days	7	\$25.34	\$1,951.18	
	Mulch prunings	2	hours	2	\$25.34	\$101.36	
Machinery (fuel, oil, repairs and maintenance) FORM	57-66kW (77-90 HP) tractor/slasher and spray		hours	25	\$49.00	\$1,225.00	
Fertigation (25 kg bags)	Liquifert MAP	52	kg	5	\$2.60	\$676.00	
	Pinnacle (ammonium nitrate)	52	kg	2	\$0.88	\$91.52	
	Liquifert K spray	52	kg	2.5	1.92	\$249.60	
	Solubor	52	kg	0.05	\$2.75	\$7.15	
	Zinc sulfate	52	kg	0.065	\$1.52	\$5.14	
	Iron sulfate	52	kg	0.125	\$0.98	\$6.37	
	Magnesium sulfate	52	kg	2	\$0.56	\$58.24	
	Copper sulfate	52	kg	0.075	\$5.20	\$20.28	
	Manganese sulfate	52	kg	0.01	\$1.66	\$0.86	
	Calcium nitrate	52	kg	3	\$0.88	\$68.64	
	Leaf test	26	Kit	1	\$80.00	\$80.00	
	Soil test	1	Kit	1	\$125.00	\$125.00	
Foliar sprays (evergreen system April to June weekly)	Mono pot. Phosphate (per 2 weeks March to May)	6	kg	5	\$3.16	\$94.80	
	Magnesium sulphate	6	kg	3	\$0.56	\$10.08	
	Boron	6	kg	0.027	\$4.34	\$0.70	
	Easy N	8	litres	10	\$1.20	\$96.00	
Insect control	Aphids (Aphidex 500)	1	kg	0.3	\$51.00	\$15.30	
	Light brown apple moth (Success)	2	litres	0.48	\$490.00	\$470.40	
	Western flower thrip (Spinosad)	1	litres	0.48	\$192.50	\$92.40	
	Queensland Fruit fly (Dimethoate)	12	litres	0.75	\$11.75	\$105.75	
	Scarab (Suscon Blue)	1	kg	11	\$17.45	\$191.95	
	Heliothis (Lannate)	1	litres	0.6	\$11.87	\$7.12	

Description	Operation	Number	Units	Units/ha	Unit costs\$	Standard budget \$/ha	Your budget \$/ha
	Leaf roller (Lannate)	1	litres	0.6	\$11.87	\$7.12	
	Monolepta (Lannate)	1	litres	0.6	\$11.87	\$7.12	
	Plague thrip (Lannate)	1	litres	0.6	\$11.87	\$7.12	
	Scale (White petroleum oil)	1	litres	10.2	\$3.65	\$37.23	
	Red spider mite (Acramite)	1	litres	0.8	\$320.00	\$2.92	
	Elephant weevil (Farmoz venom)	4	litres	0.6	\$9.00	\$21.60	
Disease control (fungicides)	Rust fungicide (Mancozeb)	6	kg	2	\$10.25	\$123.00	
	Rust fungicide (Tilt 250EC)	6	litres	0.192	\$23.30	\$26.84	
	Rust fungicide (Pristine)	2	kg	1.5	\$198.00	\$594.00	
	Phytophthora (Agrifos foliar)	1	litres	1	\$4.10	\$4.10	
	Botrytis (Switch, Scala)	4	kg	1	\$205.00	\$820.00	
	Anthraco nose (Captan)	4	kg	0.75	\$19.70	\$59.10	
Pruning costs	Detail pruning and thinning	1	hours	185	\$25.34	\$4,687.90	
Weed control	Glyphosate	4	litres	4	\$7.00	\$112.00	
	Basta	2	litres	1.5	\$22.75	\$68.25	
	Hardwood woodchip mulch	1	annual appl.		\$1,350.00	\$1,350.00	
Harvesting and packing	Picking and packing (incl.field sort)	1	tray	8,706	\$14.31	\$124,581.18	
	Punnets (125g)	1	punnet	104,471	\$0.23	\$24,028.24	
	Trays (12 punnets)	1	tray	8,706	\$0.98	\$8,531.76	
Irrigation costs	1 Ha		ML	3	\$26.00	\$78.00	
Transport costs	Freight – Sydney (140 trays/pallet)	1	tray	8706	\$1.24	\$10,795.29	
Commission and levies 12%	Sydney, Melbourne					\$36,564.71	
Total variable costs (B)						\$220,792.33	
Cost per tray (12 punnets)						\$25.36	
Gross Margin (A-B)						\$83,913.55	

Table 3: Cost summary/hectare/year – Northern NSW

Cost Summary	Total	Cost/tray (12)	% Cost
Irrigation	\$ 78.00	\$ 0.01	0.0%
Disease control fungicides	\$ 1,627.04	\$ 0.19	0.7%
Insect control insecticides	\$ 966.04	\$ 0.11	0.4%
Weed control herbicides	\$ 1,530.38	\$ 0.18	0.69%
Nutrition	\$ 1,590.38	\$ 0.18	0.7%
Pruning and thinning	\$ 4687.90	\$ 0.54	2.1%
Machinery	\$ 5,811.54	\$ 0.67	2.6%
Marketing	\$ 47,360	\$ 5.43	21.5%
Packing materials	\$ 32,560.00	\$ 3.74	14.7.1%
Picking and packing	\$ 124,581.18	\$ 14.31	56.4.8%
Total	\$ 220,792.33	\$ 25.36	100.00%

Table 4: Sensitivity analysis for blueberries in northern NSW – effect of yield and price on gross margin/ha

Yield trays/ha	\$20.00	\$25.00	\$30.00	\$35.00	\$40.00	\$45.00	\$50.00	\$60.00
2000	-\$ 180,792.33	-\$ 170,792.33	-\$ 160,792.33	-\$ 150,792.33	-\$ 140,792.33	-\$ 130,792.33	-\$ 120,792.33	-\$ 100,792.33
3000	-\$ 160,792.33	-\$ 145,792.33	-\$ 130,792.33	-\$ 115,792.33	-\$ 100,792.33	-\$ 85,792.33	-\$ 70,792.33	-\$ 40,792.33
4000	-\$ 140,792.33	-\$ 120,792.33	-\$ 100,792.33	-\$ 80,792.33	-\$ 60,792.33	-\$ 40,792.33	-\$ 20,792.33	\$ 19,207.67
5000	-\$ 120,792.33	-\$ 95,792.33	-\$ 70,792.33	-\$ 45,792.33	-\$ 20,792.33	\$ 4,207.67	\$ 29,207.67	\$ 79,207.67
6000	-\$ 100,792.33	-\$ 70,792.33	-\$ 40,792.33	-\$ 10,792.33	\$ 19,207.67	\$ 49,207.67	\$ 79,207.67	\$ 139,207.67
7000	-\$ 80,792.33	-\$ 45,792.33	-\$ 10,792.33	\$ 24,207.67	\$ 59,207.67	\$ 94,207.67	\$ 129,207.67	\$ 199,207.67
8000	-\$ 60,792.33	-\$ 20,792.33	\$ 19,207.67	\$ 59,207.67	\$ 99,207.67	\$ 139,207.67	\$ 179,207.67	\$ 259,207.67

Tables for Southern Australia

Table 5: Blueberry establishment costs for Southern Australia (per ha)

Blueberry establishment costs	Operation	Unit	Units/ha	Unit cost	Total cost
Site establishment costs				\$/unit	\$/ha
Ground preparation machinery costs 77-90HP (57-66kW) tractor Fuel, oil, repairs, maintenance (FORM)	Herbicide application (FORM)	hours	2	\$49.00	\$98.00
	Herbicide cost	litres	4	\$11.30	\$45.20
	Herbicide labour	hours	2	\$25.34	\$50.68
	Deep ripping + plough (FORM)	hours	7	\$49.00	\$343.00
	Deep ripping labour	hours	7	\$25.34	\$177.38
	Sow green manure crop (FORM)	hours	1.5	\$49.00	\$73.50
	Green manure seed cost	kg	25	\$1.85	\$46.25
	Fertilise green manure	kg	100	\$0.40	\$40.00
	Labour for green manure fertiliser	hours	1.5	\$25.34	\$38.01
	Mark out rows	hours	4	\$25.34	\$101.36
	Rotary hoe roes (FORM)	hours	5	\$49.00	\$392.00
	Rotary hoe labour (2 people) – 125 HP (93 kW) tractor & mound/bank former	hours	5	\$25.34	\$405.44
Planting preparation machinery costs	pH adjust sulfur contract spread	appl.	1	\$1,066.00	\$1,066.00
	Rotary hoe sulfur (FORM)	hours	8	\$49.00	\$392.00
	Rotary hoe labour (2 people)	hours	16	\$25.34	\$405.44
	Bed mounding (labour)	hours	40	\$25.34	\$1,013.60
	Bed mounding (FORM)	hours	20	\$49.00	\$980.00
	Compost	m ³	60	\$30.00	\$1,800.00
	Labour for compost	hours	26	\$25.34	\$658.84
	Machinery for compost (FORM)	hours	13	\$49.00	\$637.00
	Hardwood mulch	m ³	60	\$30.00	\$1,800.00
	Vermin proof fencing	metres	500	\$16.00	\$8000.00
Planting costs	Suscon Blue (Scarab control)	10kg	2	\$174.50	\$349.00
	Metalaxyl (Phytophthora control)	10kg	2	\$175.00	\$350.00
	Fertiliser (slow release)	25kg	1	\$29.35	\$29.35
	Plants (each) 2000/ha (5 Inch pot)	each	2,000	\$8.10	\$16,200.00
	Replacement plants (5%)	each	100	\$8.10	\$810.00
	Planting labour (4 people 2 mins/plant)	hours	67	\$25.34	\$1697.78
	Replacement labour (2 mins/plant)	hours	3.4	\$25.34	\$86.16
	Cutting and marking holes for plants (2 people)	hours	18	\$25.34	\$456.12
Irrigation costs	Dosatron fertigation system (D20) filters plus supply and install				\$6,500.00

Blueberry establishment costs	Operation	Unit	Units/ha	Unit cost	Total cost
	Steel posts, wire and cross members		320	\$16.00	\$5,120.00
	Pressure comp. drip line above bed	metres	3000	\$0.70	\$2,100.00
	Layout for irrigation installation (2 people)	hours	32	\$25.34	\$810.88
Netting costs	Poles, cables, bedlogs, birdnetting	m ²	10000	\$5.00	\$50,000.00
				Subtotal	\$96,572.99
New packing facilities	Packing shed (for 4 hectares of blueberries)				\$100,000.00
	Coolroom				\$50,000.00
	Air cond.				\$4,400.00
	Scales, tables				\$3,000.00
	Packing line				\$50,000.00
Subtotal packing facilities	Add to total establishment cost of building a shed				\$207,400.00
Total land preparation and establishment cost					\$96,572.99

Table 6: Blueberry gross margin for 1 ha, based on a 4ha blueberry orchard in southern Australia with five year-old bushes. Yield is estimated at 8kg per plant.

Description	Operation	Number	Units	Units/ha	Unit costs\$	Standard budget \$/ha	Your budget \$/ha
Income (A) sale of fruit		9412		trays/ha @	\$30.00	\$282,353	
Machinery operation (labour)	Mowing/slashing	10	hours	2	\$25.34	\$506.80	
	Pesticide application	12	hours	2	\$25.34	\$608.16	
	Fungicide application	12	hours	2	\$25.34	\$608.16	
	Herbicide application	4	hours	2	\$25.34	\$202.72	
	Weeding plant holes	3	hours	8	\$25.35	\$608.16	
	Machinery pump maintenance	11	days	7	\$25.34	\$1,951.18	
	Mulch prunings	2	hours	2	\$25.34	\$101.36	
Machinery (fuel, oil, repairs and maintenance) FORM	57-66kW (77-90 HP) tractor/slasher and spray		hours	25	\$49.00	\$1,225.00	
Fertigation (25 kg bags)	Liquifert MAP	52	kg	5	\$2.60	\$676.00	
	Pinnacle (ammonium nitrate)	52	kg	2	\$0.88	\$91.52	
	Liquifert K spray	52	kg	2.5	\$1.92	\$249.60	
	Solubor	52	kg	0.05	\$2.75	\$7.15	
	Zinc sulfate	52	kg	0.065	\$1.52	\$5.14	
	Iron sulfate	52	kg	0.125	\$0.98	\$6.37	
	Magnesium sulfate	52	kg	2	\$0.56	\$58.24	
	Copper sulfate	52	kg	0.075	\$5.20	\$20.28	

Description	Operation	Number	Units	Units/ha	Unit costs\$	Standard budget \$/ha	Your budget \$/ha
	Manganese sulfate	52	kg	0.01	\$1.66	\$0.86	
	Calcium nitrate	26	kg	3	\$0.88	\$68.64	
	Leaf test	1	Kit	1	\$80.00	\$80.00	
	Soil test	1	Kit	1	\$125.00	\$125.00	
Insect control	Aphids (Aphidex 500)	1	kg	0.3	\$51.00	\$15.30	
	Light brown apple moth (Success)	2	litres	0.48	\$490.00	\$470.40	
	Light brown apple moth (Isomate pheromone ties)	1	twist ties	50	\$3.25	\$162.50	
	Western flower thrip (Spinosad)	1	litres	0.48	\$192.50	\$92.40	
	Scarab (Suscon Blue)	1	kg	11	\$17.45	\$191.95	
Disease control (fungicides)	Rust fungicide (Mancozeb)	1	kg	2	\$10.25	\$20.50	
	Rust fungicide (Tilt 250EC)	1	litres	0.192	\$23.30	\$4.47	
	Phytophthora (Agrifos foliar)	1	litres	1	\$4.10	\$4.10	
	Botrytis (Switch, Scala)	2	kg	1	\$205.00	\$410.00	
Pruning costs	Detail pruning and thinning	1	hours	185	\$25.34	\$4,687.90	
Weed control	Glyphosate	4	litres	4	\$7.00	\$112.00	
	Basta	2	litres	1.5	\$22.75	\$68.25	
	Hardwood woodchip mulch	1	annual appl.		\$1,350.00	\$1,350.00	
Harvesting and packing	Picking and packing (incl. field sort)	1	tray	9412	\$14.31	\$134,682.35	
	Punnets (125g)	1	punnet	112,941	\$0.23	\$24,028.24	
	Trays (12 punnets)	1	tray	9412	\$0.98	\$8,531.76	
Irrigation costs	1 Ha		ML	3	\$26.00	\$78.00	
Transport costs	Freight (140 trays/pallet)	1	tray	9412	\$1.24	\$11,670.59	
Commision and levies 12%	Sydney, Melbourne					\$33,882.35	
Total variable costs (B)						\$229,966.82	
Cost per tray (12 punnets)						\$24.43	
Gross Margin (A-B)						\$52,386.12	

Table 7: Cost summary/hectare/year – Southern Australia

Cost Summary	Total	Cost/tray (12)	% Cost
Irrigation	\$ 78.00	\$ 0.01	0.0%
Disease control fungicides	\$ 439.07	\$ 0.05	0.2%
Insect control insecticides	\$ 697.35	\$ 0.07	0.3%
Weed control herbicides	\$ 1,530.25	\$ 0.16	0.7%
Nutrition	\$ 1,388.77	\$ 0.15	0.6%
Pruning and thinning	\$ 4687.77	\$ 0.50	2.0%
Machinery	\$ 5710.18	\$ 0.61	2.5%
Marketing	\$ 45,552.94	\$ 4.84	19.8%
Packing materials	\$ 35,200	\$ 3.74	15.3%
Picking and packing	\$ 134,682.35	\$ 14.31	58.6%
Total	\$ 229,966.82	\$ 24.43	100.00%

Table 8: Sensitivity analysis for blueberries in southern Australia - effect of yield and price on gross margin/ha

Yield trays/ha	\$20.00	\$25.00	\$30.00	\$35.00	\$40.00	\$45.00	\$50.00	\$60.00
2000	-\$ 189,996.82	-\$ 179,996.82	-\$ 169,966.82	-\$ 159,966.82	-\$ 149,966.82	-\$ 139,966.82	-\$ 129,966.82	-\$ 109,966.82
3000	-\$ 169,966.82	-\$ 154,966.82	-\$ 139,966.82	-\$ 124,966.82	-\$ 109,966.82	-\$ 94,996.82	-\$ 79,966.82	-\$ 49,966.82
4000	-\$149,966.82	-\$ 129,966.82	-\$ 109,966.82	-\$ 89,966.82	-\$ 69,966.82	-\$ 49,996.82	-\$ 29,966.82	\$ 10,003.18
5000	-\$129,966.82	-\$ 104,966.82	-\$ 79,996.82	-\$ 54,966.82	-\$ 29,966.82	-\$ 4,966.82	\$ 20,033.18	\$ 70,033.18
6000	-\$109,966.82	-\$ 79,966.82	-\$ 49,966.82	-\$ 19,966.82	\$ 10,033.18	\$ 40,033.18	\$ 70,033.18	\$ 130,033.18
7000	-\$ 89,966.82	-\$ 54,966.82	-\$19,966.82	\$ 15,033.18	\$ 50,033.18	\$ 85,033.18	\$ 120,033.18	\$ 190,033.18
8000	-\$ 69,966.82	-\$ 29,966.82	\$10,033.18	\$ 50,033.18	\$ 90,033.18	\$ 130,033.18	\$ 170,033.18	\$ 250.033.18

Acknowledgments

The authors wish to thank Horticulture Innovation Australia Limited and the Australian Blueberry Growers' Association (ABGA) for the provision of funding for the update of this Primefact. The authors also wish to thank local suppliers for providing specific information on prices.

For updates go to www.dpi.nsw.gov.au

© State of New South Wales through the Department of Industry, Skills and Regional Development 2015. You may copy, distribute and otherwise freely deal with this publication for any purpose, provided that you attribute the NSW Department of Primary Industries as the owner.

Disclaimer: The information contained in this publication is based on knowledge and understanding at the time of writing (September 2015). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check currency of the information with the appropriate officer of the Department of Primary Industries or the user's independent adviser.

Published by the NSW Department of Primary Industries.

JTN 13655 PUB15/390