



TOMATOES (Fresh) - Drip irrigation

Farm Enterprise Budget Series

Sydney Basin 2009

1. GROSS MARGIN BUDGET:

INCOME:

5,000 half cartons @ \$13.50 /carton (10kg)

Standard Budget \$/ha	Your Budget \$/ha
\$67,500	

A. TOTAL INCOME \$/ha:

\$67,500	
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VARIABLE COSTS:

See following page for detail

Transplants.....	\$7,883	
Tractor costs.....	\$471	
Irrigation.....	\$470	
Fertiliser.....	\$1,317	
Pest control.....	\$520	
Weed control.....	\$53	
Casual labour.....	\$10,050	
Harvesting	\$6,249	
Marketing.....	\$21,135	

B. TOTAL VARIABLE COSTS \$/ha:

\$48,147	
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C. GROSS MARGIN (A-B) \$/ha

\$19,353	
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D. GROSS MARGIN \$/ML

\$3,226	
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2. SENSITIVITY TABLES

2.1 EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE

YIELD cartons/ha	Price (\$/carton)				
	\$10	\$12	\$13.50	\$15	\$17
4,000	\$527	\$7,567	\$12,847	\$18,127	\$25,167
4,500	\$2,240	\$10,160	\$16,100	\$22,040	\$29,960
5,000	\$3,953	\$12,753	\$19,353	\$25,953	\$34,753
5,500	\$5,666	\$15,346	\$22,606	\$29,866	\$39,546
6,000	\$7,379	\$17,939	\$25,859	\$33,779	\$44,339

2.2 EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER MEGALITRE

YIELD cartons/ha	Price (\$/carton)				
	\$10	\$12	\$13.50	\$15	\$17
4,000	\$88	\$1,261	\$2,141	\$3,021	\$4,195
4,500	\$373	\$1,693	\$2,683	\$3,673	\$4,993
5,000	\$659	\$2,126	\$3,226	\$4,326	\$5,792
5,500	\$944	\$2,558	\$3,768	\$4,978	\$6,591
6,000	\$1,230	\$2,990	\$4,310	\$5,630	\$7,390

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Farm Enterprise Budget Series - Sydney Basin

Sydney Basin 2009

CALENDAR OF OPERATIONS:						
Operation	Machinery			Inputs		
	Hrs/ha	Cost \$/hr	Total \$/ha	Rate/ha	Cost	Total \$/ha
Disc plough	1.16	\$24.18	\$28.05			
Lister	0.78	\$27.95	\$21.80			
Apply pre-emergent <i>eg: Roundup 360</i>	0.1	\$22.92	\$2.29	2L	\$13.20	\$26.40
Scarifier	0.42	\$22.85	\$9.60			
Bedform	0.78	\$25.05	\$19.54			
Apply pre-emergent <i>eg: Roundup 360</i>	0.1	\$22.92	\$2.29	2L	\$13.20	\$26.40
Plastic mulch				5550m	\$0.15	\$832.50
Trellis						\$5,400.00
Planting: Tractor	0.29	\$31.12	\$9.02			
Planting: Labour				46hrs	\$22.00	\$1,012.00
Transplants				10,000	\$0.17	\$1,650.00
Apply starter fertiliser <i>eg: Single super</i>	0.1	\$24.91	\$2.49	24kg	\$0.51	\$12.24
Apply starter fertiliser <i>eg: Starterfos MAP</i>				46kg	\$1.63	\$74.98
Insecticide <i>eg: Lorsban</i>				0.7L	\$16.40	\$11.48
Aerial spray <i>eg: Dominex</i>			\$21.00	1.8kg	\$20.44	\$36.79
Apply fungicide <i>eg: Dithane</i>	0.1	\$22.92	\$2.29	2.5L	\$7.81	\$19.53
Apply fungicide <i>eg: Kocide</i>				2L	\$15.91	\$31.82
Apply insecticide <i>eg: Lannate</i>				2L	\$14.60	\$29.20
Chipping - labour				5hrs	\$22.00	\$110.00
Apply fungicide <i>eg: Kocide</i>	0.1	\$22.92	\$2.29	2L	\$15.91	\$31.82
Apply insecticide <i>eg: Dominex</i>				1.8kg	\$20.44	\$36.79
Apply sidedressing fertiliser <i>eg: Big N</i>	0.1	\$24.91	\$4.98	1200kg	\$1.03	\$1,236.00
Target spot control <i>eg: Bravo 720</i>	0.1	\$22.92	\$2.29	0.5kg	\$123.00	\$61.50
Apply fungicide <i>eg: Dithane</i>				2.5L	\$7.81	\$19.53
Apply fungicide <i>eg: Kocide</i>				2L	\$15.91	\$31.82
Crop maintenance - labour				61hrs	\$22.00	\$1,342.00
Target spot control <i>eg: Bravo 720</i>	0.1	\$22.92	\$2.29	1.8kg	\$20.44	\$36.79
Apply fungicide <i>eg: Dithane</i>				2.5L	\$7.81	\$19.53
Apply fungicide <i>eg: Kocide</i>				2L	\$15.91	\$31.82
Aerial spray <i>eg: Dominex</i>			\$21.00	1.8kg	\$20.44	\$36.79
Apply insecticide <i>eg: Lannate</i>	0.1	\$22.92	\$2.29	2L	\$14.60	\$29.20
Apply insecticide <i>eg: Dominex</i>				1.8kg	\$20.44	\$36.79
Irrigation				6ML	\$32.80	\$196.79
Pumping costs				6ML	\$45.50	\$273.00
Contract harvest				5000ctns	\$1.20	\$6,000.00
Bin hire (14 days)				111bins	\$0.16	\$248.64
Harvest labour				9hrs	\$22.00	\$198.00
Trailer	16	\$21.78	\$348.48			
Packaging: Cartons (10kg)				5000ctns	\$1.73	\$3,719.50
Wash, grade, pack: Labour				345hrs	\$22.00	\$7,590.00
Cooling				5000ctns	\$0.05	\$250.00
Freight to markets				5000ctns	\$0.90	\$4,500.00
Levy				50t	\$0.70	\$35.00

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AGRONOMIC NOTES

Area:	North Coast, Central Coast and the Sydney Basin are the main production areas.
Production:	Good soil preparation is essential. Deep ripping and high bed forming is needed to ensure adequate drainage to avoid root diseases (ie phytophthora). Crop rotations are essential to avoid disease and weed problems (ie blackberry nightshade) building up.
Pests:	Heliothis is the main insect pest with bacterial leaf and fruit rots the most common diseases.
Harvesting:	Tomatoes are hand harvested every 2 to 5 days when the fruit begins to show a small amount of red colour. North coast harvest from October to July while the Central coast and Sydney basin harvest from December to May.
Yields:	Yields vary considerable with an average of 5000 cartons for a trellised crop and about 3000 cartons for a ground crop.
Packaging:	Fresh tomatoes are normally marketed in 18L styrene or cardboard cartons. Cartons must hold at least 10kg of fruit of one size and colour.
Economic note:	This budget is ONLY A GUIDE and should be altered for movements in crop and input prices, changes in seasonal conditions and the farm characteristics. This budget does not include overhead costs or GST.

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