



TOMATOES (Processing) - Furrow irrigation

Farm Enterprise Budget Series

Murrumbidgee Irrigation Area 2009

1. GROSS MARGIN BUDGET:

INCOME:

60 tonnes/ha @ \$130.00 /tonne

A. TOTAL INCOME \$/ha:

Standard Budget \$/ha	Your Budget \$/ha
\$7,800	
\$7,800	

VARIABLE COSTS:

See following page for detail

Transplants.....	\$149	
Tractor costs.....	\$132	
Irrigation.....	\$626	
Fertiliser.....	\$1,096	
Pest control.....	\$623	
Weed control.....	\$204	
Casual labour.....	\$660	
Harvesting.....	\$1,980	
Marketing.....	\$42	

B. TOTAL VARIABLE COSTS \$/ha:

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

D. GROSS MARGIN \$/ML

\$5,514	
\$2,286	
\$286	

2. SENSITIVITY TABLES

2.1 EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE

YIELD tonnes/ha	Price \$/tonne				
	\$90	\$110	\$130	\$150	\$170
40	-\$1,240	-\$440	\$360	\$1,160	\$1,960
50	-\$677	\$323	\$1,323	\$2,323	\$3,323
60	-\$114	\$1,086	\$2,286	\$3,486	\$4,686
70	\$449	\$1,849	\$3,249	\$4,649	\$6,049
80	\$1,012	\$2,612	\$4,212	\$5,812	\$7,412

2.2 EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER MEGALITRE

YIELD tonnes/ha	Price \$/tonne				
	\$50	\$75	\$100	\$125	\$150
40	-\$155	-\$55	\$45	\$145	\$245
50	-\$85	\$40	\$165	\$290	\$415
60	-\$14	\$136	\$286	\$436	\$586
70	\$56	\$231	\$406	\$581	\$756
80	\$127	\$327	\$527	\$727	\$927

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CALENDAR OF OPERATIONS:

Operation	Machinery			Inputs		
	Hrs/ha	Cost \$/hr	Total \$/ha	Rate/ha	Cost	Total \$/ha
Deep rip	1.18	\$100.00	\$118.00			
Disc plough	0.78	\$22.85	\$9.60			
Lister	0.86	\$27.95	\$21.80			
Scarifier	0.42	\$22.85	\$9.60			
Bedform	0.66	\$25.05	\$19.54			
area)	0.1	\$22.92	\$2.29	4.5L	\$47.27	\$106.37
Planter	0.29	\$31.12	\$9.02			
Tomato seed				350kg	\$1.80	\$630.00
Apply starter fertiliser <i>eg: Single super</i>	0.1	\$24.91	\$2.49	300kg	\$0.51	\$151.50
<i>eg: Starterfos MAP</i>				475kg	\$1.63	\$774.73
Apply <i>Treflan</i> (50% area)				2L	\$8.07	\$8.07
Aerial spray <i>eg: Dimethoate</i>			\$21.00	1.8kg	\$20.44	\$36.79
Potato moth & aphid control <i>eg: Nitofol</i>				0.7L	\$39.00	\$27.30
Apply sidedressing fertiliser <i>eg: Big N</i>	0.1	\$24.91	\$4.98	150kg	\$1.03	\$390.80
Target spot control <i>eg: Score</i>	0.1	\$22.92	\$2.29	0.5kg	\$123.00	\$61.50
Apply post-emergent <i>eg: Titus</i> (40% area)	0.1	\$22.92	\$2.29	60L	\$2.35	\$56.40
<i>eg: Fusilade</i>	0.1	\$22.92	\$2.29	0.50L	\$67.00	\$33.50
Target spot control <i>eg: Bravo 720</i>	0.1	\$22.92	\$2.29	1.8kg	\$20.44	\$36.79
Potato moth control <i>eg: Axe</i>				0.2L	\$73.00	\$14.60
Irrigation				8ML	\$32.80	\$262.39
Pumping costs				8ML	\$45.50	\$364.00
Contract harvest				60 tonnes	\$33.00	\$1,980.00
Harvest labour				12hours	\$22.00	\$264.00
Trailer	0.42	\$21.78	\$9.15			
Bin hire (14 days)				40bins	\$0.16	\$168.00
Transported by processors						
Levy				0.70%		\$42.00

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AGRONOMIC NOTES

Area:	Southern and Northern Riverina are the main growing areas.
Production:	Single or double rows in the centre of 1.8 to 2.0m beds are used for flood irrigation with plant clumps spaced about 20cm apart. 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 wilt and fruit rots the most common diseases.
Harvesting:	Sowing commences from early September to mid December for a late January to mid April harvest. The growing period depends on variety and time of sowing and ranges from 17 to 20 weeks. All harvesting is by machines with electronic colour sorters. A growth regulator may be used to promote uniform ripening.
Yields:	Yields are approximately 60 to 70% of transplant numbers.
Packaging:	Octabins and caged bins are used for export, domestic and processing cabbages.
Economic note:	This budget is a GUIDE ONLY and should be altered for movements in crop and input prices, changes in seasonal conditions and farm characteristics. This budget does not include overhead costs or GST