

Tomato Budget 1000 ft² High Tunnel

Cost-Return Projection for 6 ft² spacing of 170 Plants

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GROSS RETURNS								INCOME SENSITIVITY (\$)			
Category or Grade	Percentage	Yield/plant	Unit	Quantity	Price	Total		Yield (pounds/plant)			
#1	70%	7	pounds	0	1.50	0.00	#DIV/0!	8	10	12	
#2	20%	2	pounds	0	1.00	0.00	1.00	1360	1700	2040	
Other	10%	1	pounds	0	0.50	0.00	1.10	1496	1870	2244	
								1.20	1632	2040	2448
Total	100%	10		0	#DIV/0!	#DIV/0!	1.30	1768	2210	2652	
							1.40	1904	2380	2856	
							1.50	2040	2550	3060	

PRODUCTION EXPENSES									
	Procedure or Product			Labor			Total Costs		
	Unit	Quantity	Price	Type ¹	Rate/Hour	Hours			
1. Soil Preparation									
Soil test	Complete tunnel	0.5	7.50	M	10.00	0.5	12.50		
Major tillage		1	4.00	M	10.00	0.5	9.00		
Rototill		1	2.00	M	10.00	0.5	7.00		
Other tillage							0.00		
Compost	ton	1	35.00	M	10.00	1.0	45.00		
Other soil amendments							0.00		
Raised Bed establishment				M	10.00	3.0	30.00		
Fertilizer & Lime	pounds	50	5.00	M	10.00	0.5	10.00		
Plastic mulch	linear feet	300	5.00	M	10.00	1.5	20.00		
Irrigation drip tape	linear feet	300	5.00	M	10.00	0.5	10.00		
Other (list)							0.00		
2. Seeding or Transplanting									
Seeds							0.00		
Transplants	transplants	0	26.00	M	10.00	1.5	41.00		
Starter solution	pound	1	1.00				1.00		
Wire hoops	Fixed cost item	56		M	10.00	1.0	10.00		
Row Cover	Fixed cost item			M	10.00	1.0	10.00		
Other (list)									
3. Production Costs									
Herbicide							0.00		
Insecticide	Aphids		6.50	M	10.00	1.0	16.50		
Fungicide			7.00	M	10.00	1.0	17.00		
Cultivation							0.00		
Irrigation/Fertigation	1000 ft ³	1	37.00	M	10.00	5.0	87.00		
Stakes	Fixed cost item	85		M	10.00	2.0	20.00		
Twine & Pruning			1.00	M	10.00	1.5	16.00		
Fuel & Oil			1.50				1.50		
Plastic, stake removal				M	10.00	3.0	30.00		
Tunnel temperature management				M	10.00	10.0	100.00		
Other (list)									
4. Harvesting Costs									
Containers				H	6.00	20.0	120.00		
Other (list)									
5. Post-harvest Costs									
Washing, grading									
Supplies									
Packaging	Boxes	85	85.00	H	6.00	20.0	205.00		
Other (list)									
6. Marketing Costs									
Packaging									
Delivery				M	10.00	10.0	100.00		
Other (list)									
7. Tomatoes Total Fixed Costs									
From Fixed Costs Table Below							155.25		
Total Costs for Tomato Production							1073.75		

RETURN OVER TOTAL COSTS	#DIV/0!
MANAGER LABOR COSTS	550.00

FIXED COSTS				RETURN OVER TOTAL COSTS SENSITIVITY (\$)					
Item	Cost	# Years Used	Yearly Costs	#DIV/0!	800	900	1000	1100	1200
Land Charge/Rent	100.00	NA ²	100.00	1200	400	300	200	100	0
High Tunnel Material	3000.00	10	300.00	1400	600	500	400	300	200
Plastic covering	300.00	3	100.00	1600	800	700	600	500	400
Shade cloth covering	220.00	10	22.00	1800	1000	900	800	700	600
Wire hoops	40.00	5	8.00	2000	1200	1100	1000	900	800
Row cover	20.00	5	4.00	2200	1400	1300	1200	1100	1000
Stakes	10.00	5	2.00	2400	1600	1500	1400	1300	1200
Interest on land and buildings	20.00	NA	20.00	2600	1800	1700	1600	1500	1400
Taxes on land and buildings	10.00	NA	10.00	2800	2000	1900	1800	1700	1600
Depreciation on machinery	10.00	10	10.00	3000	2200	2100	2000	1900	1800
Interest on machinery	10.00	NA	10.00	3200	2400	2300	2200	2100	2000
Depreciation on irrigation equipment	10.00	5	10.00						
Interest on irrigation equipment	5.00	NA	5.00						
Depreciation on packing building	10.00	10	10.00						
Interest on packing building	5.00	NA	5.00						
Insurance	5.00	NA	5.00						
Total Fixed Costs for each year			621.00						
Area Portion for 1000 ft²			0.5	¹ M (manager or owner) H (hired labor)					
Yearly Portion used for Tomatoes			0.5	² Not Applicable					
Tomatoes Total Fixed Costs			155.25						