

Table 11.A: Estimated costs per acre  
 Tomatoes, Fresh Market, Irrigated  
 5 ft spacing with 20gpm with 8712 ft of drip tape,  
 Alabama - MALTA, 2005

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM					
CustomHarvest Tomato	box	1.00	1600.0000	1600.00	_____
FERTILIZER					
Lime (Spread)	ton	28.77	0.3300	9.49	_____
Amm Nitrate (34%)	cwt	10.65	1.1700	12.46	_____
Phosphorus(46% P205)	cwt	11.55	2.6000	30.03	_____
Potash (60% K20)	cwt	8.20	2.0000	16.40	_____
Fert 15-30-15	lb	0.23	37.5000	8.63	_____
Calcium Nitrate	lbs	0.35	360.0000	126.00	_____
HERBICIDE					
Treflan HFP	pt	3.19	0.7500	2.39	_____
INSECTICIDE					
Diazinon 50W	lb.	4.53	3.0000	13.59	_____
Asana XL	oz	0.71	36.0000	25.56	_____
Guthion 2L	pt	2.75	9.0000	24.75	_____
SEED/PLANTS					
Tomato Plants-Hybrid	thous	69.16	4.4000	304.30	_____
OTHER					
Plastic Mulch 5ft	4000ft	120.00	2.0000	240.00	_____
Drip Tape (6000Ft)	Roll	131.00	2.0000	262.00	_____
Mythl Bromide 67/33	lb	2.60	200.0000	520.00	_____
Cost of Water	6" ac	24.00	1.0000	24.00	_____
Irri. Setup 5' 20gpm	8712ft	374.87	1.0000	374.87	_____
Stakes	thou	105.00	4.4000	462.00	_____
Plastic string	5000ft	1.00	4.0000	4.00	_____
5-Gal Bucket	each	1.00	200.0000	200.00	_____
Boxes-Waxed	each	1.25	1600.0000	2000.00	_____
OPERATOR LABOR					
Tractors	hour	9.82	6.5937	64.75	_____
PLANTING LABOR					
Special Labor	hour	6.44	30.0000	193.20	_____
Grade & Pack Labor					
Special Labor	hour	6.44	320.0000	2060.80	_____
HAND.&STORAGE LABOR					
Special Labor	hour	6.44	10.0000	64.40	_____
HAND LABOR					
Special Labor	hour	6.44	5.0000	32.20	_____
Implements	hour	6.44	8.5846	55.29	_____
Fertigation Labor					
Special Labor	hour	6.44	12.0000	77.28	_____
Labor Mulch Cleanup					
Special Labor	hour	6.44	15.0000	96.60	_____
DIESEL FUEL					
Tractors	gal	1.34	25.4544	34.12	_____
REPAIR & MAINTENANCE					
Implements	acre	86.66	1.0000	86.66	_____
Tractors	acre	5.67	1.0000	5.67	_____
INTEREST ON OP. CAP.	acre	84.54	1.0000	84.54	_____
				-----	
TOTAL DIRECT EXPENSES				9115.98	_____
FIXED EXPENSES					
Implements	acre	161.88	1.0000	161.88	_____
Tractors	acre	35.26	1.0000	35.26	_____
				-----	
TOTAL FIXED EXPENSES				197.14	_____
				-----	
TOTAL SPECIFIED EXPENSES				9313.12	_____

Note: Cost of production estimates are based on last year's input price

Table 11.B: Estimated resource use and costs for field operations, per acre  
 Tomatoes, Fresh Market, Irrigated  
 5 ft spacing with 20gpm with 8712 ft of drip tape,Alabama - MALTA, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Feb							0.3300	28.77	9.49	9.49
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	1.33	1.18	0.42	0.75	0.22	2.16				5.84
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	2.39	2.12	0.96	2.11	0.39	3.90				11.48
Cyclone Spin	825 Lb	2WD 75 hp	0.084	1.00	Mar	0.51	0.45	0.05	0.18	0.08	0.83				2.02
Amm Nitrate (34%)	cwt											1.1700	10.65	12.46	12.46
Phosphorus(46% P205)	cwt											2.6000	11.55	30.03	30.03
Potash (60% K20)	cwt											2.0000	8.20	16.40	16.40
Disk + Incorporate	10 Ft	2WD 75 hp	0.206	1.00	Mar	1.25	1.10	0.85	1.56	0.30	2.69				7.45
Diazinon 50W	lb.											3.0000	4.53	13.59	13.59
Treflan HFP	pt											0.7500	3.19	2.39	2.39
BS,L,T,FumigTomato	6ftctr	2WD 75 hp	1.078	1.00	Mar	6.51	5.77	2.79	8.26	4.31	31.43				54.76
Plastic Mulch 5ft	4000ft											2.0000	120.00	240.00	240.00
Drip Tape (6000Ft)	Roll											2.0000	131.00	262.00	262.00
Mythl Bromide 67/33	lb											200.0000	2.60	520.00	520.00
Plntr/H2O Tomato	1R 6ftcrt	2WD 75 hp	1.718	1.00	Apr	10.37	9.19	1.88	3.17	6.87	50.09				74.70
PLANTING LABOR	hour									30.00	193.20				193.20
Tomato Plants-Hybrid	thous											4.4000	69.16	304.30	304.30
Fert 15-30-15	lb											37.5000	0.23	8.63	8.63
Irrigation				1.00	Apr										
Cost of Water	6" ac											1.0000	24.00	24.00	24.00
Irri. Setup 5' 20gpm	8712ft											1.0000	374.87	374.87	374.87
Fertigation				1.00	Apr										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	2.00	Apr	2.96	2.63	17.68	31.93	0.49	4.82				60.02
Asana XL	oz											12.0000	0.71	8.52	8.52
Fertigation				1.00	Apr										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Apr	1.48	1.31	8.84	15.96	0.24	2.41				30.00
Guthion 2L	pt											3.0000	2.75	8.25	8.25
Fertigation				1.00	Apr										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Fertigation				1.00	Apr										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	2.00	May	2.96	2.63	17.68	31.93	0.49	4.82				60.02
Guthion 2L	pt											6.0000	2.75	16.50	16.50
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	2.00	May	2.96	2.63	17.68	31.93	0.49	4.82				60.02
Asana XL	oz											12.0000	0.71	8.52	8.52
Fertigation				1.00	May										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
HAND.&STORAGE LABOR	hour			1.00	May					10.00	64.40				64.40
Stakes	thou											4.4000	105.00	462.00	462.00
Plastic string	5000ft											4.0000	1.00	4.00	4.00
Fertigation				1.00	May										
Fertigation Labor	hour									1.00	6.44				6.44

Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Fertigation				1.00	May										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Fertigation				1.00	May										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Sucker Control				1.00	Jun										
HAND LABOR	hour									5.00	32.20				32.20
Fertigation				1.00	Jun										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Jun	1.48	1.31	8.84	15.96	0.24	2.41				30.00
Asana XL	oz											6.0000	0.71	4.26	4.26
Fertigation				1.00	Jun										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Fertigation				1.00	Jun										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Fertigation				1.00	Jun										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											30.0000	0.35	10.50	10.50
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Jul	1.48	1.31	8.84	15.96	0.24	2.41				30.00
Asana XL	oz											6.0000	0.71	4.26	4.26
Trailer - Vegetables		2WD 75 hp	0.090	1.00	Jul	0.55	0.48	0.04	0.08	0.18	1.46				2.61
CustomHarvest Tomato	box			1.00	Jul							1600.0000	1.00	1600.00	1600.00
5-Gal Bucket	each											200.0000	1.00	200.00	200.00
Grade & Pack Labor	hour			1.00	Jul					320.00	2060.80				2060.80
Boxes-Waxed	each											1600.0000	1.25	2000.00	2000.00
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Jul	3.56	3.15	0.11	2.10	0.58	5.79				14.71
Labor Mulch Cleanup	hour									15.00	96.60				96.60
TOTALS						39.79	35.26	86.66	161.88	407.17	2644.52			6260.47	9228.58
INTEREST ON OPERATING CAPITAL															84.54
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															9313.12

Note: Cost of production estimates are based on last year's input prices.

Table 11.C: Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Tomatoes, Fresh Market, Irrigated  
 5 ft spacing with 20gpm with 8712 ft of drip tape, Alabama - MALTA, 2005

			BREAKEVEN PRICE										
Tomatoes			4.63	4.80	4.99	5.22	5.49	5.82	6.21	6.71	7.34	8.19	9.38
PERCENT	YIELD	UNIT	<i>dollars</i>										
50	800	251b	-3600	-3464	-3308	-3125	-2910	-2651	-2334	-1939	-1430	-752	197
			-3797	-3662	-3505	-3323	-3107	-2848	-2531	-2136	-1627	-949	0
60	960	251b	-3220	-3058	-2870	-2651	-2392	-2081	-1701	-1227	-616	197	1336
			-3417	-3255	-3067	-2848	-2589	-2278	-1898	-1424	-813	0	1139
70	1120	251b	-2841	-2651	-2432	-2176	-1874	-1511	-1068	-514	197	1146	2475
			-3038	-2848	-2629	-2373	-2071	-1708	-1265	-712	0	949	2278
80	1280	251b	-2461	-2244	-1993	-1701	-1356	-942	-435	197	1010	2096	3615
			-2658	-2441	-2191	-1898	-1553	-1139	-632	0	813	1898	3417
90	1440	251b	-2081	-1837	-1555	-1227	-838	-372	197	909	1824	3045	4754
			-2278	-2034	-1752	-1424	-1035	-569	0	712	1627	2848	4557
100	1600	251b	-1701	-1430	-1117	-752	-320	197	830	1621	2638	3994	5893
			-1898	-1627	-1314	-949	-517	0	632	1424	2441	3797	5696
110	1760	251b	-1321	-1023	-679	-277	197	766	1463	2333	3452	4944	7033
			-1519	-1220	-876	-474	0	569	1265	2136	3255	4747	6835
120	1920	251b	-942	-616	-241	197	715	1336	2096	3045	4266	5893	8172
			-1139	-813	-438	0	517	1139	1898	2848	4069	5696	7975
130	2080	251b	-562	-209	197	671	1232	1906	2728	3757	5079	6843	9311
			-759	-406	0	474	1035	1708	2531	3560	4882	6646	9114
140	2240	251b	-182	197	635	1146	1750	2475	3361	4469	5893	7792	10451
			-379	0	438	949	1553	2278	3164	4272	5696	7595	10253
150	2400	251b	197	604	1073	1621	2268	3045	3994	5181	6707	8742	11590
			0	406	876	1424	2071	2848	3797	4984	6510	8544	11393

The top number in each cell is Returns Above Direct Expenses.

The bottom number in each cell is Returns Above Total Specified Expenses.

Only the product listed has been varied to calculate net returns.

Note: Cost of production estimates are based on last year's input prices