

Table 8.A: Estimated costs per acre
 Summer Squash, 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					
FERTILIZER					
Lime (Spread)	ton	28.77	0.4950	14.24	_____
Fert 13-13-13	cwt	18.32	9.0000	164.88	_____
Calcium Nitrate	lbs	0.35	200.0000	70.00	_____
INSECTICIDE					
Asana XL	oz	0.71	18.0000	12.78	_____
SEED/PLANTS					
Squash-Hybrid	lb	108.35	2.0000	216.70	_____
OTHER					
Plastic Mulch 5ft	4000ft	120.00	3.0000	360.00	_____
Drip Tape (6000Ft)	Roll	131.00	2.0000	262.00	_____
Cost of Water	6" ac	24.00	1.0000	24.00	_____
Irri. Setup 5' 20gpm	8712ft	374.87	1.0000	374.87	_____
5-Gal Bucket	each	1.00	200.0000	200.00	_____
Bushel Box	each	1.25	250.0000	312.50	_____
OPERATOR LABOR					
Tractors	hour	9.82	6.8561	67.33	_____
Harvest Labor					
Special Labor	hour	6.44	100.0000	644.00	_____
Grade & Pack Labor					
Special Labor	hour	6.44	110.0000	708.40	_____
HAND LABOR					
Implements	hour	6.44	3.5486	22.85	_____
Fertigation Labor					
Special Labor	hour	6.44	8.0000	51.52	_____
Labor Mulch Cleanup					
Special Labor	hour	6.44	15.0000	96.60	_____
DIESEL FUEL					
Tractors	gal	1.34	26.4674	35.47	_____
REPAIR & MAINTENANCE					
Implements	acre	35.89	1.0000	35.89	_____
Tractors	acre	5.88	1.0000	5.88	_____
INTEREST ON OP. CAP.	acre	35.99	1.0000	35.99	_____
TOTAL DIRECT EXPENSES				3715.90	_____
FIXED EXPENSES					
Implements	acre	68.84	1.0000	68.84	_____
Tractors	acre	36.66	1.0000	36.66	_____
TOTAL FIXED EXPENSES				105.50	_____
TOTAL SPECIFIED EXPENSES				3821.40	_____

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

Table 8.B: Estimated resource use and costs for field operations, per acre
 Summer squash, 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							0.4950	28.77	14.24	14.24
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
Disk Bed +App Fert	4-Row	2WD 75 hp	0.141	1.00	Mar	0.85	0.75	0.37	1.00	0.21	1.83				4.80
Fert 13-13-13	cwt											9.0000	18.32	164.88	164.88
BS.lay/tape/Squash	5ftctr	2WD 75 hp	1.294	1.00	Mar	7.80	6.92	1.79	5.28	1.29	12.71				34.50
Plastic Mulch 5ft	4000ft											3.0000	120.00	360.00	360.00
Drip Tape (6000Ft)	Roll											2.0000	131.00	262.00	262.00
Plntr/H20/pnch/seed	1Row	2WD 75 hp	2.578	1.00	Apr	15.55	13.79	5.29	8.95	5.15	41.92				85.50
Squash-Hybrid	lb											2.0000	108.35	216.70	216.70
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											25.0000	0.35	8.75	8.75
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
Asana XL	oz											6.0000	0.71	4.26	4.26
Fertigation				1.00	Apr										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											25.0000	0.35	8.75	8.75
Fertigation				1.00	Apr										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											25.0000	0.35	8.75	8.75
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	May										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											25.0000	0.35	8.75	8.75
Fertigation				1.00	May										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											25.0000	0.35	8.75	8.75
Fertigation				1.00	May										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											25.0000	0.35	8.75	8.75
Fertigation				1.00	May										
Fertigation Labor	hour									1.00	6.44				6.44
Calcium Nitrate	lbs											25.0000	0.35	8.75	8.75
Trailer - Vegetables		2WD 75 hp	0.090	10.00	Jun	5.43	4.81	0.43	0.76	1.80	14.64				26.07
Harvest Labor	hour			1.00	Jun					100.00	644.00				644.00
5-Gal Bucket	each											200.0000	1.00	200.00	200.00
Bushel Box	each											250.0000	1.25	312.50	312.50
Grade & Pack Labor	hour			10.00	Jun					110.00	708.40				708.40
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Jun	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	41.35	36.66	35.89	68.84	243.40	1590.70	2011.97	3785.41
INTEREST ON OPERATING CAPITAL								35.99
UNALLOCATED LABOR								0.00
TOTAL SPECIFIED COST								3821.40

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

Table 8.C: Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Summer Squash, Fresh Market, Irrigated
 5 ft spacing with 20gpm with 8712 ft of drip tape, Alabama - MALTA, 2005

			BREAKEVEN PRICE										
Squash			10.60	11.27	12.04	12.94	14.01	15.28	16.84	18.79	21.29	24.63	29.31
PERCENT	YIELD	UNIT	<i>dollars</i>										
50	125	421b	-2232	-2149	-2052	-1940	-1807	-1648	-1453	-1209	-896	-479	105
			-2338	-2254	-2158	-2046	-1913	-1753	-1558	-1315	-1002	-584	0
60	150	421b	-1998	-1898	-1783	-1648	-1488	-1297	-1063	-771	-395	105	806
			-2104	-2004	-1888	-1753	-1594	-1402	-1169	-876	-501	0	701
70	175	421b	-1765	-1648	-1513	-1355	-1169	-946	-673	-332	105	690	1508
			-1870	-1753	-1618	-1461	-1275	-1052	-779	-438	0	584	1402
80	200	421b	-1531	-1397	-1243	-1063	-851	-595	-284	105	606	1274	2209
			-1636	-1503	-1349	-1169	-956	-701	-389	0	501	1169	2104
90	225	421b	-1297	-1147	-973	-771	-532	-245	105	543	1107	1859	2911
			-1402	-1252	-1079	-876	-637	-350	0	438	1002	1753	2805
100	250	421b	-1063	-896	-703	-479	-213	105	495	982	1608	2443	3612
			-1169	-1002	-809	-584	-318	0	389	876	1503	2338	3507
110	275	421b	-829	-646	-434	-186	105	456	884	1420	2109	3028	4314
			-935	-751	-539	-292	0	350	779	1315	2004	2922	4208
120	300	421b	-595	-395	-164	105	424	806	1274	1859	2610	3612	5015
			-701	-501	-269	0	318	701	1169	1753	2505	3507	4910
130	325	421b	-362	-145	105	397	743	1157	1664	2297	3111	4197	5717
			-467	-250	0	292	637	1052	1558	2192	3006	4092	5611
140	350	421b	-128	105	375	690	1062	1508	2054	2736	3612	4782	6418
			-233	0	269	584	956	1402	1948	2630	3507	4676	6313
150	375	421b	105	356	645	982	1380	1859	2443	3174	4114	5366	7120
			0	250	539	876	1275	1753	2338	3069	4008	5261	7014

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.