

Table 14.A Summary of estimated costs per acre  
 Squash - summer, fresh market, irrigated  
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape,  
 Alabama, MALTAG, 2007

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	182.83	1.0000	182.83	_____
FUNGICIDE	acre	43.21	1.0000	43.21	_____
INSECTICIDE	acre	12.96	1.0000	12.96	_____
SEED/PLANTS	acre	330.00	1.0000	330.00	_____
OTHER	acre	1230.00	1.0000	1230.00	_____
IRRIGATION SUPPLIES	acre	637.50	1.0000	637.50	_____
FERTIGATION LABOR	hour	8.00	8.0000	64.00	_____
GRADE & PACK LABOR	hour	8.00	110.0000	880.00	_____
HAND LABOR	hour	8.00	3.5486	28.38	_____
HARVEST LABOR	hour	8.00	100.0000	800.00	_____
LABOR MULCH CLEANUP	hour	8.00	15.0000	120.00	_____
OPERATOR LABOR	hour	9.41	7.1016	66.83	_____
DIESEL FUEL	gal	2.41	27.4152	66.06	_____
REPAIR & MAINTENANCE	acre	46.12	1.0000	46.12	_____
INTEREST ON OP. CAP.	acre	61.89	1.0000	61.89	_____
				-----	
TOTAL DIRECT EXPENSES				4569.78	_____
TOTAL FIXED EXPENSES				643.34	_____
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TOTAL SPECIFIED EXPENSES				5213.12	_____

Note: Cost of production estimates are based on 2006 input prices.

Table 14.B Estimated resource use and costs for field operations, per acre  
 Squash - summer, fresh market, irrigated  
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Alabama, MALTAG, 2007

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			0.33	Feb							0.4950	34.00	16.83	16.83
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	2.25	1.48	0.17	0.36	0.22	2.07				6.33
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	4.06	2.66	1.01	2.60	0.39	3.73				14.06
Disk Bed +App Fert	4-Row	2WD 75 hp	0.141	1.00	Mar	1.44	0.94	0.42	1.34	0.21	1.89				6.03
Fert 13-13-13	cwt											9.0000	12.00	108.00	108.00
BS.lay/tape/Squash	5ftctr	2WD 75 hp	1.294	1.00	Mar	13.23	8.67	1.95	7.00	1.29	12.18				43.03
Plastic Mulch	roll											2.2000	150.00	330.00	330.00
Drip Tape	roll											1.5000	155.00	232.50	232.50
Plntr/H2O/pnch/seed	1Row	2WD 75 hp	2.578	1.00	Apr	26.36	17.27	3.62	7.50	5.15	44.88				99.63
Squash-Hybrid	lb											2.0000	165.00	330.00	330.00
Irrigation				1.00	Apr										
Rural Water	ac-in											6.0000	67.50	405.00	405.00
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.00				8.00
Calcium Nitrate	lbs											25.0000	0.29	7.25	7.25
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Apr	2.51	1.64	7.97	17.34	0.24	2.31				31.77
Asana XL	oz											6.0000	0.72	4.32	4.32
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.00				8.00
Calcium Nitrate	lbs											25.0000	0.29	7.25	7.25
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.00				8.00
Calcium Nitrate	lbs											25.0000	0.29	7.25	7.25
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Apr	2.51	1.64	7.97	17.34	0.24	2.31				31.77
Quadris	oz											11.0000	1.91	21.01	21.01
Fertigation				1.00	Apr										
FERTIGATION LABOR	hour									1.00	8.00				8.00
Calcium Nitrate	lbs											25.0000	0.29	7.25	7.25
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	2.00	Apr	5.02	3.29	15.95	34.67	0.49	4.62				63.55
Asana XL	oz											12.0000	0.72	8.64	8.64
Bravo Weather Stick	pt											4.0000	5.55	22.20	22.20
Fertigation				1.00	May										
FERTIGATION LABOR	hour									1.00	8.00				8.00
Calcium Nitrate	lbs											25.0000	0.29	7.25	7.25
Fertigation				1.00	May										
FERTIGATION LABOR	hour									1.00	8.00				8.00
Calcium Nitrate	lbs											25.0000	0.29	7.25	7.25
Fertigation				1.00	May										
FERTIGATION LABOR	hour									1.00	8.00				8.00
Calcium Nitrate	lbs											25.0000	0.29	7.25	7.25
Fertigation				1.00	May										
FERTIGATION LABOR	hour									1.00	8.00				8.00
Calcium Nitrate	lbs											25.0000	0.29	7.25	7.25
Trailer - Vegetables	16 ft	2WD 75 hp	0.090	10.00	Jun	9.20	6.03	0.40	0.83	1.80	15.67				32.13
HARVEST LABOR	hour			1.00	Jun					100.00	800.00				800.00
5-Gal Bucket	each											200.0000	3.00	600.00	600.00

Bushel Box	each											250.0000	1.20	300.00	300.00
GRADE & PACK LABOR	hour		10.00	Jun						110.00	880.00				880.00
Mulch Lifter	1 Row	2WD 75 hp	0.589	1.00	Jun	6.02	3.95	0.12	2.96	0.58	5.55				18.60
LABOR MULCH CLEANUP	hour									15.00	120.00				120.00
Irrigation Setup	acre			Apr								1.0000			503.83
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TOTALS						72.60	47.57	39.58	91.94	243.65	1959.21			2436.50	5151.23
INTEREST ON OPERATING CAPITAL															61.89
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															5213.12

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Note: Cost of production estimates are based on 2006 input prices.

Table 14.C Breakeven price above total expenses and net returns for price/yield combinations, per acre  
 Squash - summer, fresh market, irrigated  
 5 ft row spacing, 20 gpm with 8,712 ft of drip tape, Alabama, MALTAG, 2007

			-----BREAKEVEN PRICE-----										
Squash			14.30	15.23	16.31	17.57	19.06	20.85	23.03	25.76	29.27	33.94	40.49
PERCENT	YIELD	UNIT	-----dollars-----										
50	125.00	42lb	-2630	-2513	-2378	-2221	-2035	-1812	-1539	-1198	-759	-175	643
			-3273	-3157	-3022	-2864	-2678	-2455	-2182	-1841	-1403	-818	0
60	150.00	42lb	-2303	-2162	-2001	-1812	-1588	-1321	-993	-584	-58	643	1625
			-2946	-2806	-2644	-2455	-2232	-1964	-1636	-1227	-701	0	982
70	175.00	42lb	-1975	-1812	-1623	-1402	-1142	-829	-447	29	643	1461	2607
			-2619	-2455	-2266	-2046	-1785	-1473	-1091	-613	0	818	1964
80	200.00	42lb	-1648	-1461	-1245	-993	-696	-338	97	643	1344	2280	3589
			-2291	-2104	-1888	-1636	-1339	-982	-545	0	701	1636	2946
90	225.00	42lb	-1321	-1110	-867	-584	-249	152	643	1257	2046	3098	4572
			-1964	-1753	-1511	-1227	-892	-491	0	613	1403	2455	3928
100	250.00	42lb	-993	-759	-489	-175	196	643	1189	1871	2748	3917	5554
			-1636	-1403	-1133	-818	-446	0	545	1227	2104	3273	4910
110	275.00	42lb	-666	-409	-112	234	643	1134	1734	2484	3449	4735	6536
			-1309	-1052	-755	-409	0	491	1091	1841	2806	4092	5893
120	300.00	42lb	-338	-58	265	643	1089	1625	2280	3098	4151	5554	7518
			-982	-701	-377	0	446	982	1636	2455	3507	4910	6875
130	325.00	42lb	-11	292	643	1052	1536	2116	2826	3712	4852	6372	8500
			-654	-350	0	409	892	1473	2182	3069	4209	5729	7857
140	350.00	42lb	315	643	1021	1461	1982	2607	3371	4326	5554	7191	9483
			-327	0	377	818	1339	1964	2728	3683	4910	6547	8839
150	375.00	42lb	643	994	1398	1871	2429	3098	3917	4940	6255	8009	10465
			0	350	755	1227	1785	2455	3273	4297	5612	7366	9821

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 2006 input prices.