

Table 13.A Estimated costs per acre

Watermelons

Alabama, MALTA, 2004

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Lime (Spread)	ton	28.77	1.5000	43.16	_____
Amm Nitrate (34%)	cwt	9.83	2.0000	19.66	_____
FUNGICIDE					
Bravo	pt	5.22	4.0000	20.88	_____
Quadris	oz	2.14	11.0000	23.54	_____
HERBICIDE					
Curbit	pt	4.05	4.0000	16.20	_____
INSECTICIDE					
Thiodan 3EC	qt	7.44	2.6600	19.79	_____
Asana XL	oz	0.70	6.0000	4.20	_____
SEED/PLANTS					
Watermelon-OP	lb	19.32	2.2000	42.50	_____
OTHER					
Plastic Mulch	roll	50.00	2.0000	100.00	_____
Custom Harvest Melon	cwt	2.00	100.0000	200.00	_____
Hauling	trip	25.00	1.0000	25.00	_____
OPERATOR LABOR					
Tractors	hour	9.02	2.6250	23.69	_____
DIESEL FUEL					
Tractors	gal	0.95	10.1335	9.61	_____
REPAIR & MAINTENANCE					
Implements	acre	3.79	1.0000	3.79	_____
Tractors	acre	5.44	1.0000	5.44	_____
INTEREST ON OP. CAP.	acre	7.10	1.0000	7.10	_____
TOTAL DIRECT EXPENSES				564.57	_____
FIXED EXPENSES					
Implements	acre	6.05	1.0000	6.05	_____
Tractors	acre	12.15	1.0000	12.15	_____
TOTAL FIXED EXPENSES				18.20	_____
TOTAL SPECIFIED EXPENSES				582.77	_____

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

Table 13.B Estimated resource use and costs for field operations, per acre
 Watermelons
 Alabama, MALTA, 2004

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			1.00	Jan							1.5000	28.77	43.16	43.16
Chisel Plow	9 Ft	2WD 75 hp	0.204	1.00	Feb	1.17	0.94	0.15	0.27	0.20	1.84				4.37
Disk Harrow	10 Ft	2WD 75 hp	0.194	1.00	Feb	1.11	0.90	0.33	0.51	0.19	1.75				4.60
Disk Harrow	10 Ft	2WD 75 hp	0.194	1.00	Mar	1.11	0.90	0.33	0.51	0.19	1.75				4.60
Bed Shaper		2WD 75 hp	0.280	1.00	Mar	1.61	1.30	0.14	0.26	0.28	2.53				5.84
Plastic Mulch Layer		2WD 75 hp	0.280	1.00	Mar	1.61	1.30	0.21	0.40	0.28	2.53				6.05
Plastic Mulch	roll											2.0000	50.00	100.00	100.00
Plant	2-Row	2WD 75 hp	0.278	1.00	Mar	1.59	1.29	0.21	0.38	0.27	2.51				5.98
Watermelon-OP	lb											2.2000	19.32	42.50	42.50
Curbit	pt											4.0000	4.05	16.20	16.20
Spray- Air Blast		2WD 75 hp	0.061	1.00	Apr	0.35	0.28	0.25	0.36	0.06	0.55				1.79
Thiodan 3EC	qt											1.3300	7.44	9.90	9.90
Spray- Air Blast		2WD 75 hp	0.061	1.00	Apr	0.35	0.28	0.25	0.36	0.06	0.55				1.79
Thiodan 3EC	qt											1.3300	7.44	9.90	9.90
Cultivate+Sidedress	2-Row	2WD 75 hp	0.400	2.00	Apr	4.58	3.70	1.13	1.84	0.80	7.22				18.47
Amm Nitrate (34%)	cwt											2.0000	9.83	19.66	19.66
Spray- Air Blast		2WD 75 hp	0.061	1.00	May	0.35	0.28	0.25	0.36	0.06	0.55				1.79
Bravo	pt											2.0000	5.22	10.44	10.44
Quadris	oz											11.0000	2.14	23.54	23.54
Spray- Air Blast		2WD 75 hp	0.061	1.00	May	0.35	0.28	0.25	0.36	0.06	0.55				1.79
Bravo	pt											2.0000	5.22	10.44	10.44
Spray- Air Blast		2WD 75 hp	0.061	1.00	Jun	0.35	0.28	0.25	0.36	0.06	0.55				1.79
Asana XL	oz											6.0000	0.70	4.20	4.20
Trailer - Vegetables		2WD 75 hp	0.090	1.00	Jun	0.52	0.42	0.04	0.08	0.09	0.81				1.87
Custom Harvest Melon	cwt											100.0000	2.00	200.00	200.00
Hauling	trip			1.00	Jun							1.0000	25.00	25.00	25.00
TOTALS						15.05	12.15	3.79	6.05	2.62	23.69			514.94	575.67
INTEREST ON OPERATING CAPITAL															7.10
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															582.77

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

Table 13.C Breakeven price above total expenses and net returns for price/yield combinations, per acre
 Watermelons
 Alabama, MALTA, 2004

			-----BREAKEVEN PRICE-----										
Watermelons			4.55	4.73	4.94	5.19	5.48	5.82	6.25	6.78	7.46	8.37	9.64
PERCENT	YIELD	UNIT	-----dollars-----										
50	50.00	cwt	-236	-227	-216	-204	-190	-172	-151	-124	-90	-45	18
			-254	-245	-234	-222	-208	-190	-169	-143	-109	-63	0
60	60.00	cwt	-210	-199	-187	-172	-155	-134	-109	-77	-36	18	94
			-229	-218	-205	-190	-173	-152	-127	-95	-54	0	76
70	70.00	cwt	-185	-172	-158	-140	-120	-96	-66	-29	18	81	170
			-203	-190	-176	-159	-138	-114	-84	-47	0	63	152
80	80.00	cwt	-159	-145	-128	-109	-85	-58	-24	18	72	145	247
			-178	-163	-146	-127	-104	-76	-42	0	54	127	229
90	90.00	cwt	-134	-118	-99	-77	-51	-19	18	65	127	209	323
			-152	-136	-117	-95	-69	-38	0	47	109	190	305
100	100.00	cwt	-109	-90	-69	-45	-16	18	60	113	181	272	400
			-127	-109	-88	-63	-34	0	42	95	163	254	381
110	110.00	cwt	-83	-63	-40	-13	18	56	103	161	236	336	476
			-101	-81	-58	-31	0	38	84	143	218	318	458
120	120.00	cwt	-58	-36	-11	18	52	94	145	209	290	400	552
			-76	-54	-29	0	34	76	127	190	272	381	534
130	130.00	cwt	-32	-9	18	50	87	132	187	256	345	463	629
			-50	-27	0	31	69	114	169	238	327	445	610
140	140.00	cwt	-7	18	47	81	122	170	230	304	400	527	705
			-25	0	29	63	104	152	212	286	381	509	687
150	150.00	cwt	18	45	76	113	157	209	272	352	454	590	781
			0	27	58	95	138	190	254	334	436	572	763

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.