

Estimating 2004 Costs of Production

SUMMER SQUASH

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	150.66	1.0000	150.66	_____
FUNGICIDE	acre	44.32	1.0000	44.32	_____
INSECTICIDE	acre	12.42	1.0000	12.42	_____
SEED/PLANTS	acre	194.20	1.0000	194.20	_____
OTHER	acre	778.75	1.0000	778.75	_____
OPERATOR LABOR	hour	9.54	6.8742	65.59	_____
HARVEST LABOR	hour	6.44	70.0000	450.80	_____
GRADE & PACK LABOR	hour	6.44	11.0000	70.84	_____
HAND LABOR	hour	6.44	3.0392	19.57	_____
DIESEL FUEL	gal	1.05	26.5374	27.86	_____
REPAIR & MAINTENANCE	acre	56.08	1.0000	56.08	_____
INTEREST ON OP. CAP.	acre	17.66	1.0000	17.66	_____

TOTAL DIRECT EXPENSES				1888.75	_____
TOTAL FIXED EXPENSES				103.50	_____

TOTAL SPECIFIED EXPENSES				1992.25	_____

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Table 2. Estimated resource use and costs for field operations per acre, Summer Squash Arkansas, 2004 (MALTA Project)

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	28.77	14.24	14.24
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	1.34	0.96	0.15	0.26	0.22	2.10					4.81
Disk Harrow	10 Ft	2WD 75 hp	0.198	2.00	Mar	2.43	1.73	0.42	0.89	0.39	3.78					9.25
Disk Bed +App Fert	4-Row	2WD 75 hp	0.141	1.00	Mar	0.86	0.62	0.34	0.91	0.21	1.80					4.53
Fert 13-13-13	cwt											9.0000	11.56	104.04	104.04	
Plastic Layer Squash	Bd 5ftctr	2WD 75 hp	1.294	1.00	Mar	7.92	5.65	1.12	1.91	1.29	12.35					28.95
Plastic Mulch 5ft	4000ft											3.0000	120.00	360.00	360.00	
Plntr/H20/pnch/seed	1Row	2WD 75 hp	2.578	1.00	Apr	15.76	11.26	5.24	8.49	5.15	41.20					81.95
Squash-Hybrid	lb											2.0000	97.10	194.20	194.20	
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Apr	1.51	1.07	8.39	14.56	0.24	2.34					27.87
Asana XL	oz											6.0000	0.69	4.14	4.14	
Cultivate	2-Row	2WD 75 hp	0.390	1.00	Apr	2.39	1.71	0.15	0.39	0.39	3.73					8.37
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Apr	1.51	1.07	8.39	14.56	0.24	2.34					27.87
Quadris	oz											11.0000	2.08	22.88	22.88	
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	1.00	Apr	2.39	1.71	0.44	1.16	0.58	4.99					10.69
Amm Nitrate (34%)	cwt											1.2500	12.95	16.19	16.19	
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	2.00	Apr	3.00	2.15	16.77	29.11	0.49	4.68					55.71
Asana XL	oz											12.0000	0.69	8.28	8.28	
Bravo Weather Stick	pt											4.0000	5.36	21.44	21.44	
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	1.00	May	2.39	1.71	0.44	1.16	0.58	4.99					10.69
Amm Nitrate (34%)	cwt											1.2500	12.95	16.19	16.19	
Trailer - Vegetables		2WD 75 hp	0.090	1.00	Jun	0.55	0.39	0.04	0.07	0.09	0.86					1.91
HARVEST LABOR	hour											70.00				450.80
5-Gal Bucket	each												200.0000	1.00	200.00	200.00
GRADE & PACK LABOR	hour			1.00	Jun							11.00				70.84
Hauling	trip			1.00	Jun								4.0000	25.00	100.00	100.00
Bushel Box	each			1.00	Jun								95.0000	1.25	118.75	118.75
TOTALS							42.05	30.03	41.89	73.47	90.91	606.80			1180.35	1974.59
INTEREST ON OPERATING CAPITAL																17.66
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																1992.25

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

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