

Estimating 2004 Costs of Production

TURNIPS

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 AG-812-04-04

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	96.55	1.0000	96.55	_____
FUNGICIDE	acre	12.66	1.0000	12.66	_____
HERBICIDE	acre	4.86	1.0000	4.86	_____
INSECTICIDE	acre	15.79	1.0000	15.79	_____
SEED/PLANTS	acre	190.87	1.0000	190.87	_____
OTHER	acre	881.45	1.0000	881.45	_____
OPERATOR LABOR	hour	9.54	3.0759	29.33	_____
HARVEST LABOR	hour	6.44	78.0000	502.32	_____
GRADE & PACK LABOR	hour	6.44	12.0000	77.28	_____
MARKETING LABOR	hour	6.44	9.0000	57.96	_____
HAND LABOR	hour	6.44	0.1031	0.66	_____
DIESEL FUEL	gal	1.05	11.8742	12.47	_____
REPAIR & MAINTENANCE	acre	65.77	1.0000	65.77	_____
INTEREST ON OP. CAP.	acre	10.70	1.0000	10.70	_____

TOTAL DIRECT EXPENSES				1958.67	_____
TOTAL FIXED EXPENSES				115.70	_____

TOTAL SPECIFIED EXPENSES				2074.37	_____

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

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	Jan							0.4950	28.77	14.24	14.24
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Aug	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	Aug	2.43	1.73	0.42	0.89	0.39	3.78				9.25
Cyclone Spin	600 Lb	2WD 75 hp	0.084	1.00	Aug	0.51	0.37	0.03	0.13	0.08	0.80				1.84
Fert 13-13-13	cwt											6.0000	11.56	69.36	69.36
Disk + Incorporate	10 Ft	2WD 75 hp	0.206	1.00	Aug	1.27	0.90	0.35	0.62	0.30	2.63				5.77
Treflan HFP	pt											1.5000	3.24	4.86	4.86
Cultipacker	12 Ft	2WD 75 hp	0.124	1.00	Aug	0.76	0.54	0.09	0.12	0.12	1.19				2.70
Plntr - Vacuum	2 Row	2WD 75 hp	0.396	1.00	Sep	2.43	1.73	7.99	12.71	0.39	3.78				28.64
Turnips-Hybrid	lb											3.3000	57.84	190.87	190.87
Cyclone Spin	600 Lb	2WD 75 hp	0.084	1.00	Sep	0.51	0.37	0.03	0.13	0.08	0.80				1.84
Amm Nitrate (34%)	cwt											1.0000	12.95	12.95	12.95
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	3.00	Sep	4.51	3.22	25.16	43.67	0.73	7.03				83.59
Kocide DF	lb											6.0000	2.11	12.66	12.66
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	2.00	Sep	3.00	2.15	16.77	29.11	0.49	4.68				55.71
Malathion 5E	pt											4.0000	2.86	11.44	11.44
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Oct	1.51	1.07	8.39	14.56	0.24	2.34				27.87
Dipel ES	pt											1.0000	4.35	4.35	4.35
Stacking Bins	each			1.00	Oct							20.0000	2.00	40.00	40.00
Trailer - Vegetables		2WD 75 hp	0.090	1.00	Oct	0.55	0.39	0.04	0.07	0.09	0.86				1.91
HARVEST LABOR	hour									78.00	502.32				502.32
GRADE & PACK LABOR	hour			1.00	Oct					12.00	77.28				77.28
Ice	cwt											12.0000	7.10	85.20	85.20
MARKETING LABOR	hour			1.00	Oct					9.00	57.96				57.96
Hauling	trip											3.0000	25.00	75.00	75.00
Boxes-Waxed	each											545.0000	1.25	681.25	681.25
TOTALS						18.82	13.43	59.42	102.27	102.17	667.55			1202.18	2063.67
INTEREST ON OPERATING CAPITAL															10.70
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															2074.37

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

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AG-812-04-04