

Estimating 2004 Costs of Production

SWEET POTATOES

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
	dollars		dollars		
DIRECT EXPENSES					
CUSTOM	acre	16.50	1.0000	16.50	_____
FERTILIZER	acre	125.00	1.0000	125.00	_____
HERBICIDE	acre	35.01	1.0000	35.01	_____
INSECTICIDE	acre	85.24	1.0000	85.24	_____
SEED/PLANTS	acre	209.00	1.0000	209.00	_____
OTHER	acre	1313.50	1.0000	1313.50	_____
OPERATOR LABOR	hour	9.54	8.9965	85.83	_____
HARVEST LABOR	hour	6.44	25.0000	161.00	_____
PLANTING LABOR	hour	6.44	15.0000	96.60	_____
HAND LABOR	hour	6.44	12.4730	80.32	_____
DIESEL FUEL	gal	1.05	15.0447	15.79	_____
GASOLINE	gal	1.51	11.4000	17.23	_____
REPAIR & MAINTENANCE	acre	26.88	1.0000	26.88	_____
INTEREST ON OP. CAP.	acre	20.87	1.0000	20.87	_____
TOTAL DIRECT EXPENSES				2288.77	_____
TOTAL FIXED EXPENSES				72.79	_____
TOTAL SPECIFIED EXPENSES				2361.56	_____

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

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Estimated resource use and costs for field operations per acre, Sweet Potatoes
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-----			
Trapping	acre			1.00	Apr							1.0000	0.50	0.50	0.50
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Apr	0.26	0.19	0.13	0.16	0.09	0.80				1.54
Roundup Ultra	oz											16.0000	0.36	5.76	5.76
Disk Harrow	14 Ft	2WD 50 hp	0.141	2.00	Apr	1.17	0.85	0.58	1.22	0.28	2.70				6.52
Custom Apply Fert	acre			1.00	Apr							4.0000	4.00	16.00	16.00
Fert 5-20-30+S+B	cwt											10.0000	12.50	125.00	125.00
Lorsban 4E	pt											4.0000	4.74	18.96	18.96
Disk Bed	4-Row	2WD 50 hp	0.140	2.00	May	1.16	0.85	0.45	1.19	0.28	2.69				6.34
Trailer utility	10 ft	2WD 50 hp	0.600	1.00	May	2.47	1.81	0.25	0.83	0.60	5.72				11.08
Sweetpotato Plants	thous											11.0000	19.00	209.00	209.00
Trailer water	10 ft	2WD 50 hp	0.600	1.00	May	2.47	1.81	0.58	1.69	0.60	5.72				12.27
Plnt/Transplants	4R 36-48"	2WD 75 hp	0.687	1.00	May	4.21	3.00	0.17	12.50	6.87	46.41				66.29
PLANTING LABOR	hour									15.00	96.60				96.60
Crate Sweetpotato	each											2.0000	6.00	12.00	12.00
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May	0.26	0.19	0.13	0.16	0.09	0.80				1.54
Command 3ME	pt											2.0000	10.59	21.18	21.18
Thiodan 3EC	qt											1.0000	7.86	7.86	7.86
Ditcher		2WD 50 hp	0.020	1.00	May	0.08	0.06	0.02	0.02	0.02	0.19				0.37
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	May	0.26	0.19	0.13	0.16	0.09	0.80				1.54
Imidan 70-WP	lb											1.3000	7.30	9.49	9.49
Cultivate (Early)	4R-40	2WD 50 hp	0.193	1.00	May	0.80	0.58	0.29	0.77	0.19	1.85				4.29
Ditcher		2WD 50 hp	0.020	1.00	May	0.08	0.06	0.02	0.02	0.02	0.19				0.37
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jun	0.26	0.19	0.13	0.16	0.09	0.80				1.54
PennCap-M 2F	pt											2.0000	3.35	6.70	6.70
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jun	0.26	0.19	0.13	0.16	0.09	0.80				1.54
Imidan 70-WP	lb											1.3000	7.30	9.49	9.49
Cultivate (Late)	4R-40	2WD 50 hp	0.129	1.00	Jun	0.53	0.39	0.19	0.51	0.12	1.23				2.85
Ditcher		2WD 50 hp	0.020	1.00	Jun	0.08	0.06	0.02	0.02	0.02	0.19				0.37
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jul	0.26	0.19	0.13	0.16	0.09	0.80				1.54
PennCap-M 2F	pt											2.0000	3.35	6.70	6.70
Poast 1.53	pt											1.0000	8.07	8.07	8.07
Spray (Broadcast)	27'	2WD 50 hp	0.062	1.00	Jul	0.26	0.19	0.13	0.16	0.09	0.80				1.54
Spintor	oz											6.0000	4.34	26.04	26.04
Stalk Shredder-Flail	15 ft	2WD 50 hp	0.110	1.00	Sep	0.46	0.33	0.29	0.86	0.11	1.06				3.00
Trailer utility	10 ft	2WD 50 hp	0.600	1.00	Sep	2.47	1.81	0.25	0.83	0.60	5.72				11.08
HARVEST LABOR	hour									1.00	6.44				6.44
Truck		1/2 ton	1.000	1.00	Sep	6.90	7.37			1.00	9.54				23.81
Truck		1 ton +	1.000	1.00	Sep	7.77	6.59			1.00	9.54				23.90

Estimated resource use and costs for field operations per acre, Sweet Potatoes
 Arkansas, 2004 (MALTA Project) (continued)

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-----			
Harvester, Swt. Potato	2-Row	2WD 75 hp	1.011	1.00	Sep	6.18	4.42	5.69	8.67	7.07	48.72				73.68
HARVEST LABOR	hour									24.00	154.56				154.56
Bin Sweetpotato	each											2.0000	42.00	84.00	84.00
Fork Lift			1.000	1.00	Sep	3.77	4.63			1.00	9.54				17.94
Truck		1 ton +	1.000	1.00	Sep	7.77	6.59			1.00	9.54				23.90
Storage Sweetpotato	cwt			1.00	Sep							112.0000	1.00	112.00	112.00
Clean, grade, pack	box			1.00	Sep							330.0000	1.75	577.50	577.50
Box Sweetpotato	each											330.0000	1.10	363.00	363.00
Broker Sweetpotato	box			1.00	Sep							330.0000	0.50	165.00	165.00
TOTALS						50.19	42.54	9.71	30.25	61.46	423.75			1784.25	2340.69
INTEREST ON OPERATING CAPITAL															20.87
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															2361.56

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

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not named, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

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