

Estimating 2004 Costs of Production

ARKANSAS IRRIGATED TOMATOES

Kelly J. Bryant, Extension Economist – Farm Management

Ronald L. Rainey, Extension Economist

Hunter Hauk, Program Technician

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM		2545.07	1.0000	2545.07	_____
FERTILIZER		104.65	1.0000	104.65	_____
FUNGICIDE		148.48	1.0000	148.48	_____
INSECTICIDE		113.85	1.0000	113.85	_____
SEED/PLANTS		303.38	1.0000	303.38	_____
HARVEST MATERIALS		3904.00	1.0000	3904.00	_____
OPERATOR LABOR	hour	9.54	6.2858	59.98	_____
PLANTING LABOR	hour	6.44	30.0000	193.20	_____
GRADE & PACK LABOR	hour	6.44	160.0000	1030.40	_____
MARKETING LABOR	hour	6.44	30.0000	193.20	_____
HAND.&STORAGE LABOR	hour	6.44	15.0000	96.60	_____
HAND LABOR	hour	6.44	6.7284	43.34	_____
DIESEL FUEL	gal	1.05	24.2658	25.47	_____
REPAIR & MAINTENANCE		20.09	1.0000	20.09	_____
INTEREST ON OP. CAP.		246.30	1.0000	246.30	_____

TOTAL DIRECT EXPENSES				9028.01	_____
TOTAL FIXED EXPENSES				41.14	_____

TOTAL SPECIFIED EXPENSES				9069.15	_____

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Table 2. Estimated resource use and costs for field operations per acre, Irrigated Tomatoes
Arkansas, 2004

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-----			
Lime (Spread)	ton			0.33	Feb							0.1089	28.77	3.13	3.13
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
Cyclone Spin	600 Lb	2WD 75 hp	0.084	1.00	Mar	0.51	0.37	0.03	0.13	0.08	0.80				1.84
Amm Nitrate (34%)	cwt											1.1700	12.95	15.15	15.15
Phosphorus(46% P205)	cwt											2.6000	11.80	30.68	30.68
Potash (60% K20)	cwt											2.0000	8.87	17.74	17.74
Disk + Incorporate	10 Ft	2WD 75 hp	0.206	1.00	Mar	1.27	0.90	0.35	0.62	0.30	2.63				5.77
Dual II Magnum	pt.											1.0000	13.08	13.08	13.08
Prowl	pt.											0.7500	2.80	2.10	2.10
Bd Shaper/LayTomato	Bed 6ftctr	2WD 75 hp	1.078	1.00	Mar	6.59	4.71	1.62	4.58	2.15	17.24				34.74
Plastic Mulch 5ft	4000ft											2.0000	120.00	240.00	240.00
Plntr/H2O Tomato	1R 6ftcrt	2WD 75 hp	1.718	1.00	Apr	10.51	7.51	1.76	2.86	6.87	49.61				72.25
PLANTING LABOR	hour									30.00	193.20				193.20
Tomato Plants-Hybrid	thous											4.4000	68.95	303.38	303.38
Fert 15-30-15	lb											37.5000	0.05	1.88	1.88
Sprayer, boom	12	2WD 75 hp	0.190	2.00	Apr	2.32	1.66	0.42	0.43	0.38	3.63				8.46
Bravo Weather Stick	pt											8.0000	5.36	42.88	42.88
Asana XL	oz											24.0000	0.69	16.56	16.56
DRIP IRR. City Water	ACHR			2.00	Apr							16.0000	1.93	30.88	30.88
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
Fert 13-13-13	cwt											2.0000	11.56	23.12	23.12
Sprayer, boom	12	2WD 75 hp	0.190	1.00	Apr	1.16	0.83	0.21	0.22	0.19	1.81				4.23
Guthion 2L	pt											3.0000	4.83	14.49	14.49
Quadris	oz											5.0000	2.08	10.40	10.40
Sprayer, boom	12	2WD 75 hp	0.190	2.00	May	2.32	1.66	0.42	0.43	0.38	3.63				8.46
Quadris	oz											20.0000	2.08	41.60	41.60
Guthion 2L	pt											12.0000	4.83	57.96	57.96
Sprayer, boom	12	2WD 75 hp	0.190	2.00	May	2.32	1.66	0.42	0.43	0.38	3.63				8.46
Asana XL	oz											24.0000	0.69	16.56	16.56
Bravo Weather Stick	pt											8.0000	5.36	42.88	42.88
DRIP IRR. City Water	ACHR			2.00	May							16.0000	1.93	30.88	30.88
HAND.&STORAGE LABOR	hour			1.00	May										64.40
Stakes	thou											4.4000	105.00	462.00	462.00
Plastic string	roll											2.0000	1.00	2.00	2.00
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											1.0000	12.95	12.95	12.95
HAND.&STORAGE LABOR	hour			1.00	Jun										32.20
Sprayer, boom	12	2WD 75 hp	0.190	1.00	Jun	1.16	0.83	0.21	0.22	0.19	1.81				4.23
Bravo Weather Stick	pt											2.0000	5.36	10.72	10.72
Asana XL	oz											6.0000	0.69	4.14	4.14
DRIP IRR. City Water	ACHR			10.00	Jun							650.0000	1.93	1254.50	1254.50
Sprayer, boom	12	2WD 75 hp	0.190	1.00	Jul	1.16	0.83	0.21	0.22	0.19	1.81				4.23
Asana XL	oz											6.0000	0.69	4.14	4.14

Table 2. Estimated resource use and costs for field operations per acre, Irrigated Tomatoes Arkansas, 2004 (continued).

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-----			
DRIP IRR. City Water	ACHR			5.00	Jul							162.5000	1.93	313.63	313.63
Trailer - Vegetables		2WD 75 hp	0.090	1.00	Jul	0.55	0.39	0.04	0.07	0.09	0.86				1.91
Harvest	box											750.0000	0.50	375.00	375.00
Harvest Labor	days											30.0000	30.00	900.00	900.00
GRADE & PACK LABOR	hour			1.00	Jul					160.00	1030.40				1030.40
5-Gal Bucket	each											200.0000	1.00	200.00	200.00
Boxes-Waxed	each											1800.0000	1.25	2250.00	2250.00
MARKETING LABOR	hour			1.00	Jul					30.00	193.20				193.20
Hauling	trip											15.0000	25.00	375.00	375.00
TOTALS						38.42	27.46	7.14	13.68	248.01	1616.72			7119.43	8822.85
INTEREST ON OPERATING CAPITAL															246.30
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															9069.15

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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