



UNIVERSITY OF ARKANSAS
 DIVISION OF AGRICULTURE
 Cooperative Extension Service

Estimating 2004 Costs of Production

TOMATOES

Kelly J. Bryant, Extension Economist – Farm Management
Ronald L. Rainey, Extension Economist
Hunter Hauk, Program Technician
 AG-820-09-04

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM	acre	15.18	1.0000	15.18	_____
FERTILIZER	acre	111.01	1.0000	111.01	_____
FUNGICIDE	acre	84.80	1.0000	84.80	_____
INSECTICIDE	acre	68.31	1.0000	68.31	_____
SEED/PLANTS	acre	303.38	1.0000	303.38	_____
HARVEST MATERIALS	acre	2341.50	1.0000	2341.50	_____
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	15.0000	96.60	_____
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	acre	20.09	1.0000	20.09	_____
INTEREST ON OP. CAP.	acre	38.69	1.0000	38.69	_____

TOTAL DIRECT EXPENSES				4528.55	_____
TOTAL FIXED EXPENSES				41.14	_____

TOTAL SPECIFIED EXPENSES				4569.69	_____

Visit our web site at <http://www.aragriculture.org>

View or print Arkansas horticulture crop budgets at http://www.aragriculture.org/farmplanning/horticulture_resources.asp

University of Arkansas, United States Department of Agriculture and County Governments cooperating

The Arkansas Cooperative Extension Service offers its programs to all eligible person
 Regardless of race, color, national origin, religion, gender, age, or disability, marital or veteran's status,
 or any other legally protected status, and is an Equal Opportunity Employer.

Table 2. Estimated resource use and costs for field operations per acre, Tomatoes
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	Feb							0.3300	28.77	9.49	9.49
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											4.0000	5.36	21.44	21.44
Asana XL	oz											12.0000	0.69	8.28	8.28
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											10.0000	2.08	20.80	20.80
Guthion 2L	pt											6.0000	4.83	28.98	28.98
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											12.0000	0.69	8.28	8.28
Bravo Weather Stick	pt											4.0000	5.36	21.44	21.44
HAND.&STORAGE LABOR	hour			1.00	May					10.00	64.40				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					5.00	32.20				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
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
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

Table 2. Estimated resource use and costs for field operations per acre, Tomatoes 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	AMOUNT	PRICE	COST			
						-----dollars-----				dollars	-----dollars-----					
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											750.0000	1.25	937.50	937.50	
MARKETING LABOR	hour			1.00	Jul					15.00	96.60				96.60	
Hauling	trip											5.0000	25.00	125.00	125.00	
TOTALS							38.42	27.46	7.14	13.68	233.01	1520.12			2924.18	4531.00
INTEREST ON OPERATING CAPITAL																38.69
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																4569.69

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.

View or print all of the Arkansas crop budgets at <http://www.aragriculture.org/farmplanning/Budgets/default.asp>

AG-820-09-04