

Estimating 2004 Costs of Production

FALL BROCCOLI

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER	acre	136.50	1.0000	136.50	_____
FUNGICIDE	acre	48.24	1.0000	48.24	_____
HERBICIDE	acre	4.86	1.0000	4.86	_____
INSECTICIDE	acre	16.80	1.0000	16.80	_____
SEED/PLANTS	acre	501.30	1.0000	501.30	_____
OTHER	acre	676.00	1.0000	676.00	_____
OPERATOR LABOR	hour	9.54	4.9706	47.41	_____
HARVEST LABOR	hour	6.44	75.0000	483.00	_____
PLANTING LABOR	hour	6.44	30.0000	193.20	_____
GRADE & PACK LABOR	hour	6.44	65.0000	418.60	_____
HAND LABOR	hour	6.44	7.8598	50.62	_____
DIESEL FUEL	gal	1.05	19.1887	20.15	_____
REPAIR & MAINTENANCE	acre	74.69	1.0000	74.69	_____
INTEREST ON OP. CAP.	acre	24.02	1.0000	24.02	_____

TOTAL DIRECT EXPENSES				2695.39	_____
TOTAL FIXED EXPENSES				133.86	_____

TOTAL SPECIFIED EXPENSES				2829.25	_____

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Table 2. Estimated resource use and costs for field operations per acre, Fall Broccoli 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	Jul							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											8.0000	11.56	92.48	92.48
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
Plntr/H2O Wheel	2 Row	2WD 75 hp	1.473	1.00	Aug	9.01	6.44	4.08	6.61	8.83	61.49				87.63
PLANTING LABOR	hour									30.00	193.20				193.20
Broccoli	thou											18.0000	27.85	501.30	501.30
Cult + Apply Ins	2-Row	2WD 75 hp	0.390	1.00	Aug	2.39	1.71	0.19	0.51	0.58	4.99				9.79
Bravo Weather Stick	pt											1.5000	5.36	8.04	8.04
Diazinon 50W	lb.											1.0000	4.05	4.05	4.05
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Sep	1.51	1.07	8.39	14.56	0.24	2.34				27.87
Bravo Weather Stick	pt											1.5000	5.36	8.04	8.04
Dipel ES	pt											1.0000	4.35	4.35	4.35
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	1.00	Sep	2.39	1.71	0.44	1.16	0.58	4.99				10.69
Amm Nitrate (34%)	cwt											2.3000	12.95	29.78	29.78
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Sep	1.51	1.07	8.39	14.56	0.24	2.34				27.87
Diazinon 50W	lb.											1.0000	4.05	4.05	4.05
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	4.00	Sep	6.00	4.29	33.55	58.22	0.98	9.37				111.43
Bravo Weather Stick	pt											6.0000	5.36	32.16	32.16
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
Trailer - Vegetables		2WD 75 hp	0.090	1.00	Nov	0.55	0.39	0.04	0.07	0.09	0.86				1.91
HARVEST LABOR	hour									75.00	483.00				483.00
5-Gal Bucket	each											200.0000	1.00	200.00	200.00
GRADE & PACK LABOR	hour			1.00	Nov					65.00	418.60				418.60
Boxes-Waxed	each											238.0000	1.25	297.50	297.50
Ice + Cooling	box											238.0000	0.75	178.50	178.50
TOTALS						30.42	21.71	64.42	112.15	182.83	1192.83			1383.70	2805.23
INTEREST ON OPERATING CAPITAL															24.02
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															2829.25

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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