Bell Pepper Production Enterprise Budget

John McMinn, Dr. Ron Rainey, Dr Amanda McWhirt



Summary of Estimated Costs and Returns per Acre Bell pepper, Fresh Market, Irrigated 6 ft row spacing, 16 gpm with 7,260 ft of drip tape

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
INCOME					
TOTAL INCOME				0	
DIRECT EXPENSES					
CUSTOM	acre	\$233.75	1.0000	\$233.75	
FERTILIZER	acre	\$318.60	1.0000	\$318.60	
FUNGICIDE	acre	\$62.49	1.0000	\$62.49	
HERBICIDE	acre	\$26.65	1.0000	\$26.65	
INSECTICIDE	acre	\$63.43	1.0000	\$63.43	
SEED/PLANTS	acre	\$2,550.00	1.0000	\$2,550.00	
OTHER*	acre	\$5,678.98	1.0000	\$5,678.98	
IRRIGATION SUPPLIES	acre	\$823.26	1.0000	\$823.26	
FERTIGATION LABOR	hour	\$10.38	25.0000	\$259.50	
GRADE & PACK LABOR	hour	\$10.38	80.0000	\$830.40	
HAND LABOR	hour	\$10.38	48.3006	\$501.39	
OPERATOR LABOR	hour	\$12.55	5.3534	\$67.21	
UNALLOCATED LABOR	hour	\$12.59	1.0706	\$13.49	
DIESEL FUEL	gal	\$2.54	20.6664	\$52.44	
REPAIR & MAINTENANCE	acre	\$14.08	1.0000	\$14.08	
INTEREST ON OP. CAP.	acre	\$150.89	1.0000	\$150.89	
TOTAL DIRECT EXPENSES				\$11,646.56	_
RETURNS ABOVE DIRECT EXPEN	ISES			-\$11,646.56	
TOTAL FIXED EXPENSES				\$380.11	
TOTAL SPECIFIED EXPENSES				\$12,026.67	
RETURNS ABOVE TOTAL SPECIFIC	IED EXPENSE	S		-\$12,026.67	

^{*}Plastic Mulch, Wood Stakes, Plastic String, Harvest Labor Pepper, 1.75 bu tub bell pepper, Bins/Stacking 25 Bu, & Boxes-Waxed

This material is based upon work supported by the Natural Resources Conservation Service, U.S. Department of Agriculture, under agreement number 68-7103-16-536. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the views of the U.S. Department of Agriculture. USDA is an equal opportunity provider, employer and lender.

The University of Arkansas System Division of Agriculture offers all its Extension and Research programs and services without regard to race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.





Estimated Resource Use and Costs for Field Operations, per Acre Bell pepper, fresh market, irrigated 6 ft row spacing, 16 gpm with 7,260 ft of drip tape, Arkansas 2017



-	SIZE/	POWER UNIT		TIMES OVER		POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE IN		INPUT	TOTAL
	UNIT					DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	COST
Line of (Control of)				1.00	Can							0.2200	ĆF0.00	Ć16 F0	¢16.50
Lime (Spread) Disk Harrow	ton 10'	2WD 75 hp	0.198	1.00 1.00			\$1.19	\$0.43	\$0.88	0.19	\$2.49	0.3300	\$50.00	\$16.50	\$16.50 \$7.13
Disk Harrow	10'	2WD 75 hp	0.198	1.00			\$1.19	\$0.43	\$0.88	0.19	\$2.49				\$7.13
	750 lb	2WD 75 lip 2WD 75 lip	0.198	1.00				\$0.43	\$0.88	0.19	\$2.49				\$2.89
Fert-Cyclone Spin Fert 13-13-13	cwt	2WD /5 IIP	0.064	1.00	UCI	\$0.92	\$0.50	\$0.09	\$0.52	0.08	\$1.00	9.0000	\$25.90	\$233.10	\$2.89
Disk Bed	4-Row	2WD 75 hp	0.14	2.00	Oct	\$3.05	\$1.69	\$0.55	\$1.41	0.28	\$3.54	9.0000	\$23.90	\$233.10	\$10.24
	Bed 6'cntr	2WD 75 lip 2WD 75 lip		1.00			\$6.46	\$0.55 \$2.88	\$1.41	1.07	\$3.54 \$13.53				\$10.24
BS, Lay/Tape BPepper Plastic Mulch	roll	2WD /5 IIP	1.076	1.00	UCI	\$11.08	\$0.40	\$2.00	\$7.05	1.07	\$15.55	1.8000	\$166.00	\$298.80	\$42.36
Drip Tape	roll											1.2000	\$182.50	\$238.80	\$238.80
Spray (Broadcast)	27'	2WD 75 hp	0.062	0.50	Nov	\$0.35	\$0.25	\$0.09	\$0.10	0.04	\$0.55	1.2000	\$162.50	\$219.00	\$219.00
Treflan 4D	pt	2WD /3 IIp	0.002	0.30	NOV	Ş0.55	30.23	Ş0.0 9	\$0.10	0.04	\$0.55	0.7500	\$3.40	\$2.55	\$2.55
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Mar	\$0.70	\$0.49	\$0.17	\$0.20	0.09	\$1.12	0.7300	\$3.40	\$2.55	\$2.53
Poast 1.53	pt	2WD /3 IIp	0.002	1.00	iviai	\$0.70	ŞU.43	ŞU.17	\$0.20	0.09	\$1.12	1.5300	\$11.95	\$18.28	\$18.28
Trailer Utility	10'	2WD 75 hp	0.6	1.00	Mar	\$6.69	\$4.73	\$0.10	\$0.32	0.60	\$7.53	1.5500	\$11.95	\$10.20	\$19.37
Pepper Plants	100plt	2000 /3 HP	0.0	1.00	iviai	\$0.09	Ş4.73	\$0.10	ŞU.32	0.00	\$7.55	170.0000	\$15.00	\$2,550.00	\$2,550.00
Contract Plt Bpepper	1000pit 1000pil											170.0000	\$13.75	\$2,550.00	\$2,550.00
	100001			1.00	Mar							17.0000	\$13.75	\$233.73	\$233.73
Irrigation Rural Water	ac-in			1.00	IVIdi							6.0000	\$100.71	\$604.26	\$604.26
Fertigate CAN03/KN03	aC-III			2.00	Mar							6.0000	\$100.71	\$604.26	\$604.26
FERTIGATION LABOR	hour			2.00	iviai					5.00	\$51.90				\$51.90
	hour Ib									5.00	\$51.90	30.0000	\$0.46	\$13.80	\$51.90
Calcium Nitrate Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	Apr	\$0.70	\$0.49	\$0.17	\$0.20	0.09	\$1.12	30.0000	\$0.46	\$13.80	\$13.80
Orthene 90 S	Ib	2WD 75 HP	0.062	1.00	Aþi	\$0.70	\$0.49	\$0.17	\$0.20	0.09	\$1.12	0.6700	\$6.55	\$4.39	\$4.39
Kocide 2000	lb											1.5000	\$5.99	\$4.39 \$8.99	\$8.99
Quadris	OZ											6.2000	\$5.99 \$1.91	\$8.99 \$11.84	\$8.99
Fertigate CAN03/KN03	02			2.00	Ann							6.2000	\$1.91	\$11.64	\$11.64
FERTIGATION LABOR	hour			2.00	Apr					5.00	\$51.90				\$51.90
Calcium Nitrate	hour Ib									5.00	\$51.90	30.0000	\$0.46	\$13.80	\$13.80
		2WD 75 hp	0.6	1.00	A	\$6.69	\$4.73	\$0.10	\$0.32	0.60	67.53	30.0000	\$0.46	\$13.60	
Trailer Utility HAND LABOR	10'	2WD 75 NP	0.6	1.00	Apr	\$6.69	\$4.73	\$0.10	\$0.32	15.00	\$7.53 \$155.70				\$19.37 \$155.70
Wood Stakes	hour									15.00	\$155.70	36.0000	\$2.08	\$74.88	\$155.70
	100 27'	214/D 75 has	0.062	1.00	A	\$0.70	\$0.49	\$0.17	\$0.20	0.09	\$1.12	30.0000	\$2.08	\$74.66	
Spray (Broadcast) Quadris	27 02	2WD 75 hp	0.062	1.00	Apr	\$0.70	\$0.49	\$0.17	\$0.20	0.09	\$1.12	6.2000	\$1.91	\$11.84	\$2.68 \$11.84
Kocide 2000	lb											1.5000	\$5.99	\$11.64	\$8.99
	ID			2.00	A							1.5000	\$5.99	\$6.55	\$6.99
Fertigate CAN03/KN03	hour			2.00	Apr					F 00	¢E1.00				¢E1.00
FERTIGATION LABOR Calcium Nitrate	hour Ib									5.00	\$51.90	30.0000	\$0.46	\$13.80	\$51.90 \$13.80
	27'	2WD 75 hp	0.062	1.00	N.A.	\$0.70	\$0.49	\$0.17	\$0.20	0.09	\$1.12	30.0000	ŞU.46	\$13.00	\$13.80
Spray (Broadcast) Quadris	27° 02	2WD /5 NP	0.062	1.00	May	\$0.70	ŞU.49	\$0.17	\$0.20	0.09	\$1.12	6.2000	\$1.91	\$11.84	\$2.68 \$11.84
Kocide 2000	oz Ib											1.5000	\$1.91 \$5.99	\$11.84	\$11.84
		2WD 75 h-	0.193	1.00	N.A.	\$2.10	\$1.16	\$0.10	\$0.26	0.29	\$3.44	1.5000	\$5.99	56.05	\$8.99
Cultivate+App Herb Select MAX	4-Row oz	2WD 75 hp	0.193	1.00	May	\$2.10	\$1.10	ŞU.1U	ŞU.20	0.29	33.44	6.0000	\$0.97	\$5.82	\$7.06
	UZ			2.00	Mari							0.0000	ŞU.97	<i>3</i> 3.62	\$5.82
Fertigate CAN03/KN03 FERTIGATION LABOR	hour			2.00	May					5.00	\$51.90				\$51.90
Calcium Nitrate	lb									5.00	JJ1.30	30.0000	\$0.46	\$13.80	\$13.80
Continued on n ?	ID					I						30.0000	JU.40	713.00	1 713.60

Continued on p.2

·	SIZE/	POWER UNIT	PERF RATE	TIMES OVER		POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL
	UNIT					DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	COST
1st Tieing DB String				1.00	May										
HAND LABOR	hour									8.00	\$83.04				\$83.04
Plastic string	6000'											7.0000	\$11.00	\$77.00	\$77.00
Fertigate CAN03/KN03				2.00	May										
FERTIGATION LABOR	hour									5.00	\$51.90				\$51.90
Calcium Nitrate	lb											30.0000	\$0.46	\$13.80	\$13.80
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	\$0.70	\$0.49	\$0.17	\$0.20	0.09	\$1.12				\$2.68
Radiant 1SC	OZ											8.0000	\$6.81	\$54.48	\$54.48
Spray (Broadcast)	27'	2WD 75 hp	0.062	1.00	May	\$0.70	\$0.49	\$0.17	\$0.20	0.09	\$1.12				\$2.68
Mustang Max	OZ											4.0000	\$1.14	\$4.56	\$4.56
2nd Tieing DB String				1.00	Jun										
HAND LABOR	hour									5.00	\$51.90				\$51.90
Plastic string	6000'											5.0000	\$11.00	\$55.00	\$55.00
Cultivate	4-Row	2WD 75 hp	0.155	1.00	Jun	\$1.68	\$0.93	\$0.33	\$0.83	0.15	\$1.95				\$5.72
Trailer Utility	10'	2WD 75 hp	0.6	1.00	Jun	\$6.69	\$4.73	\$0.10	\$0.32	0.60	\$7.53				\$19.37
HAND LABOR	hour									8.00	\$83.04				\$83.04
Harvest Labor Pepper	bu											1800.0000	\$0.83	\$1,494.00	\$1,494.00
1.75bu tub Bell Pepp	each											25.0000	\$18.98	\$474.50	\$474.50
Bins/Stacking 25bu	each											16.0000	\$20.30	\$324.80	\$324.80
Pack Line B. Peppers				1.00	Jun										
GRADE & PACK LABOR	hour									80.00	\$830.40				\$830.40
Boxes-Waxed	each											1800.0000	\$1.60	\$2,880.00	\$2,880.00
Rotary Cutter	7'	2WD 75 hp	0.169	1.00	Jul	\$1.83	\$1.01	\$0.60	\$0.41	0.16	\$2.13				\$5.98
Take Up Reel (Mulch)	1-Row	2WD 75 hp	0.588	1.00	Jul	\$6.38	\$3.53	\$0.59	\$2.25	0.58	\$7.38				\$20.13
HAND LABOR	hour									12.00	\$124.56				\$124.56
Disk Harrow	10'	2WD 75 hp	0.198	1.00	Jul	\$2.14	\$1.19	\$0.43	\$0.88	0.19	\$2.49				\$7.13
Irrigation Setup	acre				Mar							1.0000			\$325.67
TOTALS						\$58.68	\$36.23	\$7.84	\$18.21	158.65	\$1,658.50			\$9,757.16	\$11,862.29
INTEREST ON OPERATING CAI	PITAL														\$150.89
UNALLOCATED LABOR															\$13.49
TOTAL SPECIFIED COST															\$12,026.67
-															