

COST ANALYSIS WORKSHEET

SAMPLE COSTS TO PRODUCE BLACK EYE BEANS IN TULARE COUNTY - 1974

Based on yield of 2,400 pounds per acre (single cropping). Field Labor @ \$2.90 and equipment operator @ \$3.50 per hour including Social Security and Compensation Insurance; large wheel tractor per hour cash costs \$3.00; depreciation \$2.00; and interest \$1.20.

William D. McClellan, Farm Advisor

Edward A. Yeary, Farm Advisor-Statewide

	Sample Costs		Your Costs	
	Per	Per	Per	Per
	Acres	CWT	Acres	CWT
Pre-Harvest Cash Costs:				
Land Preparation - man and tractor 3 hours		\$ 19.50		
Planting - man and tractor ½ hour		3.25		
Seed - 25 lbs. @ 20¢		5.00		
Irrigate - 1 pre and 4 crop 7½ man hours		21.75		
Water - power 2½ acre feet @ \$4.50; district tax \$6.00		17.25		
Cultivation - 2 times, man and tractor 1 hr.		6.50		
Herbicides - contract		9.50		
Insect control**: 1 air application		6.85		
Misc. labor 2 hrs; tractor ½ hr; material \$1		8.60		
County taxes		20.00		
Office, car, operating capital, etc		12.00		
Repairs - irrig. system and equip. except tractor		10.00		
TOTAL PRE-HARVEST CASH COSTS		\$140.20		\$ 5.84
Harvesting Costs:				
Cut and windrow - contract @ \$10 per acre		10.00		
Combine - contract @ \$8/A + 80¢/CWT		27.20		
Haul @ \$4.50 per ton		5.40		
Reclean, fumigate, storage and sacks @ \$35.10/ton		42.12		
TOTAL HARVESTING COSTS		\$ 84.72		\$ 3.53
TOTAL CASH COSTS		\$224.92		9.37
Depreciation:				
Irrigation system (original cost \$220)		\$ 14.67		
Tractor 4½ hrs. @ \$2		9.00		
Equipment - cost \$50 - 10 years life		5.00		
TOTAL DEPRECIATION		\$ 28.67		\$ 1.19
TOTAL CASH AND DEPRECIATION COSTS		\$253.59		\$10.56

** More than one application is sometimes required for insect control. When fertilizer is used, the cost should be added in the Pre-Harvest Cash Costs.

(Continued on Reverse Side)

	<u>Sample Costs</u>		<u>Your Costs</u>	
	Per Acre	Per CWT	Per Acre	Per CWT
<u>Interest on Investment @ 8%</u>				
Land @ \$900	\$ 72.00			
Irrigation system on $\frac{1}{2}$ cost (\$110)	8.80			
Tractor 4 $\frac{1}{2}$ hrs. @ \$1.20	5.40			
Equipment on $\frac{1}{2}$ cost (\$25)	2.00			
TOTAL INTEREST AT 8%	\$ 88.20	\$ 3.67		
TOTAL COST OF PRODUCTION (8%)	\$341.79	\$14.24		

Interest on Investment @ 10%

Land @ \$900	\$ 90.00			
Irrigation system on $\frac{1}{2}$ cost (\$110)	11.00			
Tractor 4 $\frac{1}{2}$ hrs. @ \$1.20	6.75			
Equipment on $\frac{1}{2}$ cost (\$25)	2.50			
TOTAL INTEREST AT 10%	\$110.25	\$ 4.59		
TOTAL COST OF PRODUCTION (10%)	\$363.84	\$15.15		

TOTAL COST PER CWT AT VARYING YIELDS

Yield-pounds per acre	1600	2000	2400	2800	3200	3600
Total cost per CWT (8% interest)	21.36	17.89	14.24	12.21	10.68	9.49
Total cost per CWT (10% interest)	22.74	18.19	15.15	12.99	11.37	10.11

COSTS ON RENTED OR LEASED LAND FOR BLACKEYES

	<u>Sample Costs</u>	<u>Your Costs</u>
Cash costs for 2400 lb. yield, except rent	\$237.38	\$ 9.89
Depreciation and interest on equipment - (8% interest)	21.40	.90
TOTAL COST EXCEPT RENT	\$258.78	\$10.89
Rent		
TOTAL COST		

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Tulare County

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9/23/74
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