

**BLACKEYE BEANS**

Cost Analysis Work Sheet

Sample costs to produce blackeye beans in Fresno County. Based on a yield of 2000 lbs. per acre, single cropped. Man labor and equipment operator \$1.50 per hour total. Medium wheel tractor per hour cash costs \$1.20, depreciation 60¢ and interest 30¢.

	<u>Sample Costs</u>		<u>My Costs</u>	
	<u>Per Acre</u>	<u>Per Cwt.</u>	<u>Per Acre</u>	<u>Per Cwt.</u>
<b><u>PRE-HARVEST CASH COSTS</u></b>				
Land preparation: 2½ hr. man & tractor	6.75			
Planting: seed; 20 lbs. @ 17¢	3.40			
½ hr. man & tractor	1.35			
Irrigate: 1 pre & 4 crop; 7 man hrs.	10.50			
water: power for 2½ ac. ft. @ \$4.00	10.00			
Cultivate 3 x: 1½ hrs. man & tractor	4.05			
Misc. labor 2 hrs. tractor ½ hr. material \$1.50	5.10			
County taxes:	10.75			
Repairs to equipment except tractor	3.00			
Office, car, operating capital, etc.	5.60			
<b>TOTAL PRE-HARVEST CASH COSTS</b>	<b>60.50</b>	<b>3.03</b>		
<b><u>HARVESTING COSTS</u></b>				
Cut and windrow - contract \$6.00	6.00			
Combine: \$5.00 acre plus 50¢ cwt.	15.00			
Haul: \$5.00/ton	5.00			
Reclean; fumigate; storage; sacks \$13.00/ton	13.00			
<b>TOTAL HARVESTING COSTS</b>	<b>39.00</b>	<b>1.95</b>		
<b>TOTAL CASH COSTS</b>	<b>99.50</b>	<b>4.98</b>		
<b><u>DEPRECIATION</u></b>				
Irrigation system & well: \$210.00 cost				
20 yr. life	10.50			
Tractor: 5 hrs. @ 60¢	3.00			
Equipment: \$40.00 cost; 10 yr. life	4.00			
<b>TOTAL DEPRECIATION</b>	<b>17.50</b>	<b>.87</b>		
<b><u>INTEREST ON INVESTMENT AT 6%</u></b>				
Irrigation system & well: ½ cost \$105.00	6.30			
Tractor: 5 hrs. @ 30¢	1.50			
Equipment: ½ cost \$20	1.20			
Land: \$700	42.00			
<b>TOTAL INTEREST ON INVESTMENT</b>	<b>51.00</b>	<b>2.55</b>		
<b>TOTAL COST OF PRODUCTION</b>	<b>168.00</b>	<b>8.40</b>		

Sample Costs at Varying Yields

	Average			Exceptional	
Yield: Pounds Per Acre	1600	2000	2400	2800	3200
Cash Costs of Production	5.87	4.98	4.38	3.95	3.63
Total Cost of Production	10.15	8.40	7.23	6.40	5.78

## BLACKKEYES

- Soils - Blackeyes are better adapted to sandy soils. Good yields can be produced on fine textured soils if the crown is not wetted nor the water allowed to stand following irrigation.
- Seeding - 20 to 25 pounds of seed per acre on 30 to 38 inch rows. Slightly higher yields may be obtained on the narrower spacing but many cotton and corn growers use the wider spacing to avoid frequent equipment changes.
- Planting Date - Successful crops of blackeyes have been planted from March 28 to July 1. The usual planting date is mid-May.
- Irrigations - Pre-irrigation is usually necessary. Plants should be supplied with adequate moisture throughout the growing season. Particular care should be taken to avoid moisture stress during heavy bloom period. Irrigations should be stopped when most pods are well filled and three to five weeks before harvesting.
- Fertilizing - Inoculating the seed with a proper bacterial culture may improve production in fields where blackeyes have not been grown before. Fertilizers are not usually profitable. In some areas, 60 to 100 pounds of  $P_2O_5$  per acre may improve yields.
- Pest Control - Lygus bugs, seedcorn maggot, lima bean pod borers, corn earworms and the bean weevils may infest fields. For possible control measures consult the Farm Advisor's Office.

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