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SAMPLE COSTS TO PRODUCE SMALL WHITE BEANS IN MONTEREY COUNTY - 1981

By S. D. Mendivil and E. A. Yeary

Yield: Based on 2,200 lbs/acre--cleaned^{1/}
 Harvest: September 15 to October 15
 Plant: May to June 15

Total Labor Costs/Hr.^{2/}

Hourly Tractor Costs

			<u>Cash Costs</u>	<u>Depreciation</u>	<u>Interest</u>
Class I Tractor Driver	9.32	80 h.p. Crawler Diesel	14.51	6.33	4.75
Class II Tractor Driver	9.11				
Irrigator	8.15	60 h.p. Wheel Diesel	6.35	2.25	1.69
Other Labor	8.02				

<u>Operation</u>	<u>Tractor Used</u>	<u>Hours/Acre</u>	<u>Labor</u>	<u>Fuel & Repairs</u>	<u>Contract & Materials</u>	<u>Total/Acre</u>
<u>CULTURAL</u>						
Subsoil 2x	C-80	1.24	11.29	21.63		32.92
Disc & Roll 3x	C-80	0.69	6.29	12.24		18.53
Chisel 2x	C-80	1.0	9.11	16.17		25.28
Level 2x	C-80	0.52	4.73	9.61		14.34
List & Preplant Fertilizer					Contract @ 8.00/ac. 400# 13-13-13 @ 51.20	59.20
Shape Beds & Roll	WD-60	0.25	2.28	1.84		4.12
Plant 4-Bed Planter	WD-60	0.5	4.55	3.68	50 lbs. seed @ .50/lb.	25.00
Herbicide ^{3/}					Contract @ 12.00/ac. materials 17.60	32.60
Irrigation 5x (incl. pre-irrigation)		12.0	97.80	10.00	2.5 ac. ft. @ 36.00/ ac. ft. for power, 4.00 for booster pump	201.80
Cultivations 4x	WD-60	1.0	9.32	6.35		15.67
Pest Control 1x					Contract @ 8.25/ac. materials 3.25	11.50
Hoe & Weed 2x		5.0	40.10			40.10
Miscellaneous		4.0	33.17	8.27		41.44

CULTURAL COSTS 522.50

<u>OVERHEAD:</u>	Business Costs: Office & Business Expense, etc. @ 15% Cultural Costs	78.38
	Taxes: Equipment, Except Tractors	5.00
	Rent: 450.00/ac., 6 months to small white beans	225.00

OVERHEAD COSTS 308.38

<u>HARVEST:</u>	Cut and Rake Vines: 2 hrs. man and wheel tractor (WD-60)	30.92
	Hand Work on Windrows: 3 hrs.	24.06
	Combine: custom basis, includes hauling \$1.85 cwt. field run basis	40.70
	Cleaning: 37.00 ton, field weight	40.70
	Sacks: 44-50 lb. sacks @ 0.55 ea.	24.20

HARVEST COSTS 160.58

TOTAL CULTURAL, OVERHEAD, AND HARVEST COSTS 991.46

<u>ANNUAL COSTS:</u>	<u>Investment</u>	<u>Per Acre</u>	<u>Depreciation</u>	<u>Interest-15%</u>
50% charged to small white beans	Buildings	60.00	6.00	4.50
tractors are on an hourly basis	Irrig. System	300.00	30.00	22.50
	Tractors	205.00	32.53	24.42
	Equipment	200.00	20.00	15.00
		765.00	88.53	66.42

6 months (except tractors and equipment) to small white beans 123.45

TOTAL COST PER ACRE UP TO HARVEST 1114.91

COST PER CWT 50.67

(see reverse side)

Management has not been included as a cost of production in this study.

SAMPLE COSTS OF PRODUCTION AT VARYING YIELDS

YIELD: Pounds Per Acre	1800	2000	2200	2400
Cultural and Overhead Costs	830.88	830.88	830.88	830.88
Harvest Cost	141.38	150.98	160.58	170.18
Annual Costs	123.45	123.45	123.45	123.45
Total Cost Per Acre	1095.71	1105.31	1114.91	1124.51
Cost Per CWT	60.87	55.27	50.68	46.85

1/ Sample Costs to produce small white beans, single-cropped, on rented land. Costs are based on 2200 lbs. per acre of cleaned beans from a field run yield of 2400 lbs.

2/ Labor costs per hour include fringe benefits paid by the farmer. Include FDI, Social Security, workmen's compensation, unemployment, health plan, vacation, paid holidays, and pension plan.

3/ For herbicide materials, rates, and application follow label instructions, contact a Pest Control Advisor, or your local Agricultural Extension office.