

SAMPLE COSTS
TO PRODUCE
BABY LIMA BEANS
IN THE LOWER
SACRAMENTO VALLEY
1974



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COOPERATIVE EXTENSION

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Lower Sacramento Valley - 1974

Based on 200 acres of beans on a 1,000 acre ranch. Yield: 2,200 pounds. Labor rates including fringe benefits \$3.50 and \$2.60 per hour.

Operation	Hours per acre	Cash and labor cost per acre				Total
		Labor	Fuel & repairs	Materials Kind and Quantity	Cost	
dollars						
Cultural Costs						
Disc, fall	.2	.70	1.40			2.10
Subsoil, fall	.5	1.75	4.00			5.75
Disc 2X	.3	1.15	2.30			3.45
Chisel and harrow 2X	.6	2.10	4.55			6.65
Harrow and roll	.3	1.05	1.05			2.10
Plant - 2 men	.5	3.50	1.90	Seed 50# @ \$.60	30.00	35.40
Cultivate 2X	1.0	3.50	3.55			7.05
Ditch	.1	.35	.30			.65
Irrigate	.5	1.30		Water	4.00	5.30
Hoe	5.0	13.00				13.00
Pest control 2X					17.00	17.00
Misc.	1.0	3.50	1.60		2.00	7.10
Crop loan interest					1.75	1.75
TOTAL CULTURAL COSTS		31.90	20.65		54.74	107.30
Harvest Costs						
Cut	.3	1.05	.95			2.00
Rake	.3	1.05	.90			1.95
Thresh				Custom @ \$.80 cwt.	17.60	17.60
Haul				Custom @ \$3.00 ton	3.30	3.30
Clean				Custom @ \$10.50 ton	11.55	11.55
Storage				Custom @ \$8.00 ton	8.80	8.80
TOTAL HARVEST COSTS		2.10	1.85		41.25	45.20
Cash Overhead						
Misc., office, etc.					12.75	
Taxes on equipment					2.05	
Rent				25% 2200 lbs. @ \$.40	220.00	
TOTAL CASH OVERHEAD					234.80	234.80
TOTAL CASH COST		34.00	22.50		330.80	387.30
Management 5% of 2200 lbs. @ \$.40 - \$880						44.00
Annual Cost						
<u>Investment</u>	<u>Per Acre</u>	<u>Depreciation</u>		<u>Interest 8%</u>		
Equipment	\$205	\$20.50		\$8.20		
Total						28.70
TOTAL COST PER ACRE						460.00
Cost per cwt. @ 2200 lb. yield						20.90

COST OF PRODUCTION AT VARYING YIELDS

Yield per acre-cwt.	14	18	22	26	30
Cost of production per cwt.	\$24.93	\$22.47	\$20.90	\$19.83	\$19.03

BABY LIMA BEAN CULTURAL BRIEFS

Soil Requirements: Fertile, fairly deep and well drained soils. Texture can range from sandy loam to clay. Row crop areas primarily. Some grown in orchard soils prior to orchard planting.

Planting Dates: May 7-15--range April 25 to June 1.

Harvest Dates: September-October 15.

Varieties: Wilbur, Mezcla, others.

Seeding Rate: 50 lb/A.

Fertilizer: Generally none applied to crop.

Irrigation: Major production areas are sub-irrigated. In other areas--furrow, sprinkler, or in some areas flood irrigation may be used. 1-2 acre feet of water, 3-5 irrigations.

Rotations: Largely determined by economic outlook. May be rotated with a number of crops such as alfalfa, tomatoes, sugar beets, cereals, etc.

Weed Control: Cultivation, sub-irrigation, hoeing, and herbicides. Trifluralin (Treflan (R)) is recommended for most beans. Check current University of California recommendations for proper use.

Insect Control: Lygus bugs, spider mites, corn earworm, cutworms, darkling ground beetles, nematodes, wireworms, and sometimes others. See current U.C. Pest Control Program.

Diseases: Stem and root rots, (fusarium wilt, pithium, Rhizoctonia, etc.), virus diseases such as Mosaic. In some years molds and mildews are a problem.

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