

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

Prepared by:

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SAMPLE COSTS TO PRODUCE LARGE LIMA BEANS
Lower Sacramento Valley - 1974

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

Operation	Hours per acre	Cash and labor cost per acre				
		Labor	repairs	Materials		Total
				Kind and Quantity	Cost	
dollars						
<u>Cultural Costs</u>						
Disc	.2	.70	1.40			2.10
Subsoil	.5	1.75	4.00			5.75
Disc 2X	.3	1.15	2.30			3.45
Chisel & harrow 2X	.6	2.10	4.55			6.65
Harrow & roll	.3	1.05	1.05			2.10
Plant - 2 men	.5	3.50	1.90	Seed 90# @ \$.60	54.00	59.40
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 3X					25.25	25.25
Miscellaneous	1.0	3.50	1.60		4.00	9.10
Crop loan interest					1.80	1.80
TOTAL CULTURAL COSTS		31.90	29.65		89.05	141.60
<u>Harvest Costs</u>						
Cut	.3	1.05	.95			2.00
Rake	.3	1.05	.90			1.95
Thresh				Custom @ \$.80 cwt.	16.00	16.00
Haul				Custom @ \$3.00 ton	3.00	3.00
Clean				Custom @ \$10.50 ton	10.50	10.50
Hand pick				20 sacks @ \$3.20	64.00	64.00
Storage				Custom @ \$8.00 ton	8.00	8.00
TOTAL HARVEST COSTS		2.10	1.85		101.50	105.45
<u>Cash Overhead</u>						
Misc., office, etc.					13.20	
Taxes on equipment					2.05	
Rent				25% of 2000# @ \$.41	205.00	
TOTAL CASH OVERHEAD						220.25
TOTAL CASH COST		34.00	22.50		410.80	467.30
Management 5% of 2,000 @ \$.41						41.00
<u>Annual Cost</u>						
<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						537.00
Cost per cwt. @ 2000 lb. yield						26.85

COST OF PRODUCTION AT VARYING YIELDS

Yield per acre-cwt.	12	16	20	24	28
Cost of production per cwt.	\$33.17	\$29.22	\$26.85	\$25.27	\$24.14

DRY 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: Usually May 1-10--range April 20 - May 25.

Harvest Dates: September-October 15.

Varieties: White Ventura 65.

Seeding Rate: 90 lb/AF

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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