

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

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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 | | | | | | |
| <u>Cultural Costs</u> | | | | | | |
| 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 |
| <u>Harvest Costs</u> | | | | | | |
| 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 |
| <u>Cash Overhead</u> | | | | | | |
| 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 |
| <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 | | | | | | 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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