

Sutter County - March 1970

Production Data: Yield 2,000 lb. Labor \$2.20 and \$1.90 including Social Security, compensation, insurance, etc. Based on 200 acres in a 1,000 acre farm operation.

Operation	Hours Per Acre	Labor	Fuel and repairs	Cash and labor cost per acre		Total
				Kind and Quantity	Materials Cost	
Cultural costs						
Disk	Fall	.2	.45	.85		1.30
Subsoil	"	.5	1.10	2.00		3.10
Disc 2x	Spring	.4	.90	1.70		2.60
Chisel & Harrow 2x		.6	1.30	1.85		3.15
Harrow & roll		.1	.20	.15		.35
Plant, 2 men	May	.2	.85	.70	Seed 90 lb. @ 20¢ 18.00	19.55
Cultivate 2x		1.0	2.20	1.50		3.70
Ditch		.1	.20	.30		.50
Irrigate		.5	.90		Water 4.00	4.90
Hoe		5.0	9.50			14.50
Pest control 3x					18.00	18.00
Misc.		1.0	2.20	1.15	4.00	7.35
TOTAL CULTURAL COSTS			19.80	10.20	44.00	74.00

Harvest Costs						
Misc.		1.0	2.20	1.15	4.00	7.35
Cut		.3	.65	.35		1.00
Rake		.3	.65	.45		1.10
Thresh					Custom @ 65¢ cwt.	13.00
Haul					Custom @ 2.50 ton	2.50
Clean					Custom @ 8.00 ton	8.00
Hand pick					20 sacks @ 2.00	40.00
Storage					Custom @ 6.25 ton	6.25
TOTAL HARVEST COSTS						71.85

Cash Overhead						
Misc., office, etc.					14.35	
Taxes					10.00	
Rent						
TOTAL CASH OVERHEAD						24.35

TOTAL CASH COST						170.20
Management 5% of 2,000 lb. @ 12¢ - 240.00						12.00

INVESTMENT	Per Acre	Annual Cost		
		Depreciation	Interest (7%)	
Land	900		63.00	
Trees				
Irrigation System				
Buildings				
Equipment	80	8.00	2.80	
TOTAL	980	8.00	65.80	73.80
TOTAL COST PER ACRE				256.00
Cost Per Cwt.	@ 2,000 lbs. yield			12.85

SAMPLE COSTS TO PRODUCE Baby Lima Beans - Sub-irrigated

*Leonard L. Buschmann, Farm Advisor - Dr. A.D. Reed, Extension Economist
Sutter County - March 1970

Production Data: Yield 2,200. Labor \$2.20 and \$1.90 including Social Security, Compensation Insurance, etc. Based on 200 acres in a 1,000 acre farm operation.

Operation	Hours Per Acre	Cash and labor cost per acre				Total
		Labor	Fuel and repairs	Materials Kind and quantity	Cost	
Cultural costs						
Disk	Fall .2	.45	.85			1.30
Subsoil	" .5	1.10	2.00			3.10
Disc 2x	.4	.90	1.70			2.60
Chisel & harrow 2x	.6	1.30	1.85			3.15
Harrow & roll	.1	0.20	.15			.35
Plant - 2 men	May .2	.85	.70	Seed 50/lb. @ 10¢	5.00	6.55
Cultivate 2x	1.0	2.20	1.50			3.70
Ditch	0.1	0.20	.30			.50
Irrigate	0.5	.90		Water	4.00	4.90
Hoe	5.0	9.50				9.50
Pest Control 2x	-				11.50	11.50
Misc.	1.0	2.20	1.15		2.00	5.35
TOTAL CULTURAL COSTS		19.80	10.20		22.50	52.50

Harvest Costs						
Cut	.3	.65	.35			1.00
Make	.3	.65	.45			1.10
Wash				Custom @ 65¢ cwt.		14.30
Haul				" @ 2.50 ton		2.75
Clean				" @ 8.00 ton		8.80
Storage				" @ 6.25 ton		6.90
TOTAL HARVEST COSTS		.80	.45		26.95	34.85

Cash Overhead						
Misc., office, etc.					9.05	
Taxes					10.00	
Rent						
TOTAL CASH OVERHEAD						19.05

TOTAL CASH COST 106.40

Management 5% of 2200 lbs. @ 8¢ - \$176.00 8.80

INVESTMENT	Per Acre	Annual Cost		
		Depreciation	Interest (7%)	
Land	900			63.00
Equipment	80	8.00		2.80
Total	980	8.00		65.80

TOTAL COST PER ACRE 189.00
 Cost per cwt. @ 2200 lb. yield 8.59 UC Cooperative Extension

DRY BEAN CULTURAL BRIEFS

Soil Requirements: Fertile, fairly deep and well drained soils. Texture can range from sandy loam to clay. Major production area in Sutter County is in the Marvin and Sacramento soil types of the Meridian and Sutter Basins. Row crop areas primarily. Some grown in orchard soils prior to orchard planting.

Planting Dates: Large Limas usually May 1-10 - range April 20 - May 25. Small Limas May 7-15 - range April 25 to June 1. Blackeyes May 10-May 20 - range April 20-June 10. Pinks and California Reds June 25-July 5, range June 15 to July 15.

Harvest Dates: September-October 15.

Varieties: Large Limas - White Ventura 65. Small seeded Limas - Wilbur, Mezcla, others - California Blackeye #5 and #3, Red Kidney, Sutter Pinks, etc.

Seeding Rate: Large Limas - 90 lb/A, Small Limas - 50 lb/A, colored beans - 30-40 lb/A, Blackeyes - 25-35 lb/A.

Fertilizer Requirements: Generally none applied to crop. Need to run tests with Large Limas in our area.

Irrigation: Our major production areas are sub-irrigated. In other areas - furrow, sprinkler, or in some areas flood irrigation may be used. Frequency and amount of irrigation should vary according to varieties and their root systems. Limas and Blackeyes have the most extensive root systems. Colored beans normally have smaller root systems.

Rotations: Largely determined by economic outlook. Lima beans may be rotated with a number of crops such as alfalfa, tomatoes, sugar beets, cereals, etc. Colored beans frequently double cropped with barley.

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

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

Weed Control: Cultivation, sub-irrigation, hoeing, and herbicides. Currently EPTC (Eptam^(R)) is recommended for most colored beans. Trifluralin (Treflan^(R)) is recommended for most beans. We are experimenting with other herbicides. Check current University of California recommendations for proper use.