

1990 COST ANALYSIS WORK SHEET
WARREN E. BENDIXEN
FARM ADVISOR

SPRINKLER IRRIGATED
YIELD: 2600 lbs/acre
(clean basis)

UNIVERSITY OF CALIFORNIA
COOPERATIVE EXTENSION
SANTA BARBARA COUNTY

LABOR COSTS*

	Wages/Hour	TRACTOR OPERATING COSTS/HOUR				Total
		Fuel & Repairs	Depreciation	Interest		
Equipment Operator	\$9.45 per hr. total	HWT - Wheel Diesel 150 hp	\$16.00	\$3.97	\$2.38	\$22.35
Other Labor	\$8.43 per hr. total	MWT - Wheel Diesel 80 hp	8.00	1.96	1.18	11.14
		SWT - Small Wheel 50 hp	5.20	1.66	1.00	7.86

Operations	Tractor	Acres/Hour	Hours/Acre	Labor	Fuel & Repairs	Materials: Kind & Amount	Cost/Acre		Your Cost
							Costs	Sample	
CULTURAL COSTS									
Disc 3x	HWT	5.0	.60	5.67	9.60		\$	\$	15.27
Chisel	HWT	2.5	.40	3.78	6.40				10.18
Harrow 2x	HWT	6.0	.17	1.61	2.72				4.33
Fertilize - custom						60# N, 60# P ₂ O ₅ \$42.00 + Application \$10.50	52.50	52.50	
Weed Control - custom						Herbicide \$34.40 + Application \$9.00	43.40	43.40	
Plant	MWT	3.3	.30	2.84	2.40	Seed 110 lbs @ \$.65	71.50	76.74	
Post Emergence Herbicide						Herbicide \$18.75 + Application \$10.90	29.65	29.65	
Cultivate 4x	SWT	2.0	2.00	18.90	10.40		29.30	29.30	
Irrigate 5x			2.00	16.86	5.00	Water 1 acre-foot @ \$45/acre foot	45.00	66.86	
Repairs to Equipment								12.00	
Hand Hoe			3.00	25.29				25.29	
Insect Control - custom 1x						Insecticide \$5.27 + Application \$13.00	18.27	18.27	
Interest on Operating Capital - 12%								46.05	
TOTAL CULTURAL COSTS			8.47	\$74.95	\$48.52		\$260.32	\$429.84	
HARVESTING COSTS									
Cutting	SWT	3.3	.30	2.84	1.56			4.40	
Windrow	SWT	3.3	.30	2.84	1.56			4.40	
Hand Labor			.20	1.89				1.89	
Threshing - custom						\$2.75 cwt. field run: 15% over clean wt.		82.23	
Haul - custom						\$.50 cwt. field run: 15% over clean wt.		14.95	
Cleaning - custom						\$4.25 cwt. field run: 15% over clean wt.		127.08	
Storage and Bags						Storage \$.75 cwt. Bags \$.65 cwt. clean wt.		36.40	
TOTAL HARVESTING COSTS			.80	7.57	3.12			\$271.35	
Rent								250.00	
Business and Office Costs - 4% of cultural, harvest and rent costs								38.05	
DEPRECIATION AND INTEREST									
			Depreciation		Interest 11%				
Irrigation System \$600 10 yrs. 50% cost			\$30.00		\$16.50				
Tractors			9.53		5.73				
Other Equipment \$250 10 yrs. 50% cost			25.00		13.75				
TOTAL DEPRECIATION AND INTEREST			\$64.53		\$35.98			\$100.51	
TOTAL COST PER ACRE								\$1,089.75	
TOTAL COST PER CWT - clean beans								\$41.91	

*Social Security, Workman's Compensation, Insurance Included

LIMA BEANS

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PROFIT AS AFFECTED BY BEAN YIELD AND PRICE

Yield lbs/acre Clean Basis	Total Production Costs/Acre	Price in Dollars Per Cwt.								
		\$36	\$40	\$44	\$48	\$52	\$56	\$60	\$64	\$68
2000	\$1,027.20	-307.20	-227.20	-147.20	-67.20	+12.80	+92.80	+172.80	+252.80	+332.80
2200	\$1,048.05	-256.05	-168.05	-80.05	+7.95	+95.95	+183.95	+271.95	+359.95	+447.95
2400	\$1,068.90	-204.90	-108.90	-12.90	+83.10	+179.10	+275.10	+371.10	+467.10	+563.10
2600	\$1,089.75	-153.75	-49.75	+54.25	+158.25	+262.25	+366.25	+470.25	+574.25	+678.25
2800	\$1,110.60	-102.60	+9.40	+121.40	+233.40	+345.40	+457.40	+569.40	+681.40	+793.40
3000	\$1,131.45	-51.45	+68.55	+188.55	+308.55	+428.55	+548.55	+668.55	+788.55	+908.55
3200	\$1,152.30	-00.30	+127.70	+255.70	+383.70	+511.70	+639.70	+767.70	+895.70	+1,023.70
3400	\$1,173.15	+50.85	+186.85	+322.85	+458.85	+594.85	+730.85	866.85	+1,002.85	+1,138.85
3600	\$1,194.00	+102.00	+246.00	+390.00	+534.00	+678.00	+822.00	+966.00	+1,110.00	+1,254.00
3800	\$1,214.85	+153.15	+305.15	+457.15	+609.15	+761.15	+913.15	+1,065.15	+1,217.15	+1,369.15
4000	\$1,235.70	+204.30	+364.30	+524.30	+684.30	+844.30	+1,004.30	+1,164.30	+1,324.30	+1,484.30

WEB/mgs
6/90
CC. 1000

UC COOPERATIVE EXTENSION

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