

LIMA BEANS

1990 COST ANALYSIS WORK SHEET
WARREN E. BENDIXEN
FARM ADVISOR

DRYLAND
YIELD: 1000 lbs/acre
(clean basis)

UNIVERSITY OF CALIFORNIA
COOPERATIVE EXTENSION
SANTA BARBARA COUNTY

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

Operations	Tractor	Acres/Hour	Hours/Acre	Labor	Fuel & Repairs	Materials: Kind & Amount	Costs	Sample	Your Cost
CULTURAL COSTS									
Disc 2x	MWT	5.0	.40	3.78	6.40			10.18	
Harrow 2x	MWT	6.0	.34	3.21	5.44			8.65	
Soil Tooth Chisel	MWT	2.0	.50	4.73	4.00			8.73	
Springtooth 1x	MWT	4.0	.25	2.36	2.00			4.36	
Weed Control - custom						Material \$18.00 + Application \$9.00	27.00	27.00	
Plant	MWT	3.3	.30	2.84	2.40	Seed 80 lbs. @ \$.65 lb.	52.00	57.24	
Light Harrow	MWT	10.0	.10	.95	.80			1.75	
Cultivation 3x	SWT	1.0	1.00	9.45	5.20			14.65	
Repairs to Equipment					10.00			10.00	
Hand Hoe			2.00	16.86				16.86	
Interest on Operating Capital - 12%								19.13	
TOTAL CULTURAL COSTS			4.89	\$44.18	\$36.24		\$79.00	\$178.55	
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			.10	.84				0.84	
Threshing - custom						\$2.75 cwt. field run; 15% over clean wt.		31.63	
Haul - custom						\$.50 cwt. field run; 15% over clean wt.		5.75	
Cleaning - custom						\$4.25 cwt. field run; 15% over clean wt.		48.88	
Storage and Bags						Storage \$.75 cwt; bags \$.60 cwt. clean wt.		13.50	
TOTAL HARVESTING COSTS			.70	\$6.52	\$3.12			\$109.40	
Rent - 25% of 1,000 lbs. @ \$50/cwt								125.00	
Business and Office Costs - 4% of cultural, harvest and rent costs								16.52	
DEPRECIATION AND INTEREST									
			Depreciation		Interest 11%				
Tractors			\$7.85		\$4.72				
Other Equipment \$250 10 yrs. 50% cost			12.50		6.88				
TOTAL DEPRECIATION AND INTEREST			\$20.35		\$11.60			\$31.95	
TOTAL COST PER ACRE								\$461.42	
TOTAL COST PER CWT - clean beans								\$46.14	

*Social Security, Workman's Compensation, Insurance Included

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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
600	\$371.50	-155.50	-131.50	-107.50	-83.50	-59.50	-35.50	-11.50	+12.50	+36.50
700	\$393.98	-141.98	-113.98	-85.98	-57.98	-29.98	-1.98	+26.02	+54.02	+82.02
800	\$416.46	-128.46	-96.46	-64.46	-32.46	-00.46	+31.54	+63.54	+95.54	+127.54
900	\$438.94	-114.94	-78.94	-42.94	-6.94	+29.06	+65.06	+101.06	+137.06	+173.06
1000	\$461.42	-101.42	-61.42	-21.42	+18.58	+58.58	+98.58	+138.58	+178.58	+218.58
1100	\$483.90	-87.90	-43.90	+00.10	+44.10	+88.10	+132.10	+176.10	+220.10	+264.10
1200	\$506.38	-74.38	-26.38	+21.62	+69.62	+117.62	+165.62	+213.62	+261.62	+309.62
1300	\$528.86	-60.86	-8.86	+43.14	+95.14	+147.14	+199.14	+251.14	+303.14	+355.14
1400	\$551.34	-47.34	+8.66	+64.66	+120.66	+176.66	+232.66	+288.66	+344.66	+400.66
1500	\$573.82	-33.82	+26.18	+86.18	+146.18	+206.18	+266.18	+326.18	+386.18	+446.18
1600	\$596.30	-20.30	+43.70	+107.70	+171.70	+235.70	+299.70	+363.70	+427.70	+491.70

WEB/mgs
 7/90
 CC. 1000

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