

DRY LIMA BEANS - SPRINKLER IRRIGATED  
1983 Cost Analysis Work Sheet

University of California  
Cooperative Extension

YIELDS: 2400 lbs/acre clean beans

Operating Costs

		Fuel & Repairs	Deprec.	Interest	Total
Class I Equipment Operator - \$8.61* per hr. total	HWT Heavy Wheel Tractor 150 hp	\$23.09	\$4.00	\$2.80	\$29.88
Other Labor 7.56* per hr. total	MWT Med Wheel Tractor 80 hp	11.15	2.10	1.50	14.75
*Social Security, Workman's Comp, Insurance included	SWT Small Wheel Tractor 50 hp	6.12	1.48	1.04	8.64

Operation	Tractor	Acres /Hour	Hours /Acre	Labor	Fuel & Repairs	Kind and Amount	Costs	Sample	Sample
		Ac	Hr.	\$	\$		\$	\$	\$
<b>Cultural Costs</b>									
Disc 3x	HWT	5.0	.60	5.17	13.85			19.02	
Chisel	HWT	2.5	.40	3.44	9.23			12.67	
Harrow 2x	HWT	6.0	.17	1.46	3.92			5.38	
Fertilize-custom						60 lb N, 60 lb P <sub>2</sub> O <sub>5</sub> Applic. \$7.00	46.00	46.00	
Weed Control-custom						Material \$23.00 Applic. \$10.00	33.00	33.00	
Plant	MWT	3.3	.30	2.59	3.46	Seed 100# @ 45¢ per pound	45.00	51.05	
Post emergence Herb.						Material \$17.25 Applic. \$12.75	30.00	30.00	
Cultivate 4x	SWT	2.0	2.00	17.22	12.24			29.46	
Irrigate 3x			3.00	22.68	5.00	Water 1 acre foot @ \$30.00	30.00	57.68	
Reparis to equip.					10.17			10.17	
Hand hoe			5.00	37.80				37.80	
Pest Control-custom 2x						Material \$8.30 Applic. \$14.00	58.47	58.47	
Interest on Operating Capital							22.30	22.30	
<b>TOTAL CULTURAL COSTS</b>				\$90.36	\$57.87		\$264.77	\$413.00	
<b>Harvesting Costs</b>									
Cutting	SWT	3.3	.30	2.58	1.84			4.42	
Windrow	SWT	3.3	.30	2.58	1.84			4.42	
Hand Labor			1.00	7.56				7.56	
Threshing-custom						3.50 cwt. field run; 15% over clean wt.		82.80	
Haul-custom						.50 cwt. field run; 15% over clean wt.		13.80	
Cleaning-custom						4.00 cwt. field run; 15% over clean wt.		110.40	
Storage and bags						Storage 75¢ cwt; bags 60¢ cwt clean wt.		32.40	
<b>TOTAL HARVEST COSTS</b>				1.60	\$12.72	\$3.68		\$255.80	
Rent - 12 month basis								\$225.00	
Business & miscellaneous costs 6% of cultural, harvest costs, and rent								53.63	
<b>Depreciation &amp; Interest</b>						<b>Depreciation</b>	<b>Interest 14%</b>		
Irrigation System \$500.00				\$33.33	\$35.00				
Tractors				9.16	6.43				
Other equipment \$250 10 years				25.00	17.50				
<b>TOTAL DEPRECIATION AND INTEREST</b>						\$67.49	\$58.93	\$126.42	
<b>TOTAL COST PER ACRE</b>								\$1073.85	
<b>TOTAL COST PER CWT (clean beans)</b>								\$ 44.74	