

DRY LIMA BEANS
Santa Barbara County - 1971
Cost Analysis Work Sheet

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LIMA BEAN YIELD - 2400 lbs/acre (clean beans)

Operating Costs/hour

Equipment Operator - \$2.60* per hour total
Irrigator - 2.30* " " "
Hand Labor - 2.10* " " "

	Fuel & Repairs	Deprec.	Interest	Total
CT-Crawler Tractor 75 hp	\$3.80	\$2.00	\$1.20	\$7.00
WT-Wheel Tractor 50 hp	1.20	1.40	.55	3.15
SWT-Wheel Tractor 30 hp	1.00	.60	.30	1.90

Operation	Tractor	Acres /hour	Hours /acre	Labor	Fuel & Repairs	Materials		Cost/Acre	
						Kind and Amount	Costs	Sample	Yours
<u>Cultural Costs</u>		Ac.	Hr.	\$	\$		\$	\$	
Disc 3 x	CT	1.25	.75	1.95	2.85			4.80	
Chisel	CT	2.0	.50	1.30	1.90			3.20	
Landplane	CT	2.0	.50	1.30	1.90			3.20	
Harrow	CT	5.0	.20	.52	.76			1.28	
Fertilize-custom						Materials & application	20.00	20.00	
Plant	WT	3.3	.30	.78	.36	Seed - 100 lbs @ 16¢	16.00	17.14	
Cultivate 4x	WT	.5	2.00	5.20	2.40			7.60	
Irrigate 3x			4.50	10.35		Water - 1 1/2 ac. ft. @ \$5	7.50	17.85	
Hand Hoe			5.00	10.50				10.50	
Pest Control-custom						Materials \$7 - application \$4	11.00	11.00	
Repairs to equipment					6.50			6.50	
Total Cultural Cost			13.75	\$31.90	\$16.67		\$54.50	\$103.07	
<u>Harvesting Costs</u>									
Cutting	SWT	3.3	.30	.78	.30			1.08	
Windrow	SWT	3.3	.30	.78	.30			1.08	
Hand work			1.00	2.10				2.10	
Threshing-custom						70¢/cwt field run:15% over cleaned wt.	19.32	19.32	
Haul-custom						15¢/cwt field run:15% over cleaned wt.	4.14	4.14	
Cleaning						1.15/cwt field run:15% over cleaned wt.	31.74	31.74	
Storage & bags						Storage 35¢/cwt - Bags 31¢/cwt	15.84	15.84	
Total Harvest Costs			1.60	\$ 3.66	\$.60		\$71.04	\$ 75.30	
<u>Rent (12 month basis)</u>								90.00	
<u>Business & Miscellaneous Costs</u>						6% of cultural, harvest costs & rent		16.10	
<u>Interest & Depreciation</u>						<u>Depreciation</u>	<u>Interest 7%</u>		
						Tractors \$ 7.48	\$ 3.78		
						Other equip.(\$90-10 yrs) 9.00	3.15		
Total Depreciation & Interest						\$16.48	\$ 6.93	23.41	
Total Cost Per Acre								\$307.88	
Cost per Cwt								12.82	

*Social Security, Workman's Compensation included.

DRY LIMA BEANS - PROFITS AS AFFECTED BY YIELD AND PRICE

YIELD Cwt/Acre	Harvesting & Storage Costs/Acre	Total Production Costs/Acre	Dry Lima Beans - Price Per Cwt.					
			\$12.00	\$13.00	\$14.00	\$15.00	\$16.00	\$17.00
cwt	\$	\$	\$ - Profit or Loss Per Acre					
14	45.71	278.29	-110.29	- 96.29	- 82.29	- 68.29	- 54.29	- 40.29
16	51.62	284.20	- 92.20	- 76.20	- 60.20	- 44.20	- 28.20	- 12.20
18	57.54	290.12	- 74.12	- 56.12	- 38.12	- 20.12	- 2.12	+ 15.88
20	63.46	296.04	- 56.04	- 36.04	- 16.04	+ 3.96	+ 23.96	+ 43.96
22	69.38	301.96	- 37.96	- 15.96	+ 6.04	+ 28.04	+ 50.04	72.04
24	75.30	307.88	- 19.88	+ 4.12	+ 28.12	52.12	76.12	100.12
26	81.22	313.80	- 1.80	+ 24.20	50.20	76.20	102.20	128.20
28	87.14	319.72	+ 16.28	44.28	72.28	100.28	128.28	156.28
30	93.06	325.64	+ 34.36	64.36	94.36	124.36	154.36	184.36
32	98.98	331.56	52.44	84.44	116.44	148.44	180.44	212.44
34	104.90	337.48	70.52	104.52	138.52	172.52	206.52	240.52
36	110.82	343.40	88.60	124.60	160.60	196.60	232.60	268.60

Cost is based on threshing @ 70¢/cwt on field run.
 " " " " hauling @ 15¢/cwt on field run.
 " " " " cleaning @ 1.15/cwt on field run.
 " " " " storage & bags @ 66¢/cwt.

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