

DRY LIMA BEANS
1974 - Cost Analysis Work Sheet

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

Operating Costs/hour

Equipment Operator - \$3.83*per hr. total

	Fuel & Repairs	Deprec.	Interest	Total
CT-Crawler Tractor 80 hp	\$6.55	\$2.60	\$1.98	\$11.13
WT-Wheel Tractor 60 hp	2.70	1.60	.80	5.10
SWT-Wheel Tractor 40 hp	2.10	1.45	.72	4.27

Other Labor - \$2.98* " " "

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 3x	CT	1.25	.75	2.87	4.91				7.78
Chisel	CT	2.0	.50	1.92	3.28				5.20
Landplane	CT	2.0	.50	1.92	3.28				5.20
Harrow	CT	5.0	.20	.77	1.31				2.08
Fertilize-custom						60 lbs N - 60 lbs P ₂ O ₅ + App.ic. \$4	36.40	36.40	
Plant	WT	3.3	.30	1.15	.81	Seed - 100 lbs @ 45¢	45.00	46.96	
Cultivate 4x	WT	.5	2.00	7.66	5.40			13.06	
Irrigate 3x			4.50	13.41		Water - 1 1/2 ac. ft. @ \$7.50	11.25	24.66	
Hand Hoe			5.00	14.90				14.90	
Pest Control-custom						Insecticide \$8 - Applic. \$4	12.00	12.00	
Repairs to equipment					8.00			8.00	
Total Cultural Costs			13.75	\$44.60	\$26.99		\$104.65	\$176.24	
<u>Harvesting Costs</u>									
Cutting	SWT	3.3	.30	1.15	.63			1.78	
Windrow	SWT	3.3	.30	1.15	.63			1.78	
Hand work			1.00	2.98				2.98	
Threshing-custom						\$1/cwt field run:15% over cleaned wt.	27.60	27.60	
Haul-custom						.20/cwt field run:15% over cleaned wt.	5.52	5.52	
Cleaning						1.65/cwt field run:15% over cleaned wt.	45.54	45.54	
Storage & bags						Storage 35¢/cwt - Bags .42/cwt	18.48	18.48	
Total Harvest Costs			1.60	\$ 5.28	\$ 1.26		\$97.14	\$103.68	
Rent (12 month basis)								125.00	
Business & miscellaneous costs						6% of cultural, harvest costs & rent		24.30	
<u>Interest & Depreciation</u>						Depreciation	Interest - 8%		
	Tractors					\$ 9.63	\$ 6.13		
	Other equip. (\$110-10 yrs.)					11.00	4.40		
Total Depreciation & Interest						\$20.63	\$10.53	\$ 31.16	
Total Cost Per Acre								\$460.38	
Cost Per CWT								19.18	

*Social Security, Workman's Compensation included.

DRY LIMA BEANS - PROFITS AS AFFECTED BY YIELDS AND PRICE

YIELD Cwt/Acre	Total Production Costs/Acre \$	Dry Lima Beans - Price Per Cwt.							
		\$ 20.00	\$ 24.00	\$ 28.00	\$ 32.00	\$ 36.00	\$ 40.00	\$ 44.00	\$ 48.00
Cwt		\$ - Profit or Loss Per Acre							
14	419.91	-139.91	-83.91	-27.91	+28.09	84.09	140.09	196.09	252.09
16	428.00	-108.00	-44.00	+20.00	84.00	148.00	212.00	276.00	340.00
18	436.09	- 76.09	- 4.09	+67.91	139.91	211.91	283.91	355.91	427.91
20	444.18	- 44.18	+35.82	115.82	195.82	275.82	355.82	435.82	515.82
22	452.27	- 12.27	+75.73	163.73	251.73	339.73	427.73	515.73	603.73
24	460.38	+ 19.62	115.62	211.62	307.62	403.62	499.62	595.62	691.62
26	468.47	+ 51.53	155.53	259.53	363.53	467.53	511.53	675.53	779.53
28	476.56	83.44	195.44	307.44	419.44	531.44	643.44	755.44	867.44
30	484.65	115.35	235.35	355.35	475.35	595.35	715.35	835.35	955.35
32	492.74	147.26	275.26	403.26	531.26	659.26	787.26	915.26	1043.26
34	500.83	179.17	315.17	451.17	587.17	723.17	859.17	995.17	1131.17
36	508.92	211.08	355.08	499.08	643.08	787.08	931.08	1075.08	1219.08

Cost is based on threshing @\$1.00/cwt on field run.
 " " " " hauling @.20/cwt on field run.
 " " " " cleaning @1.65/cwt on field run.
 " " " " storage & bags @.77/cwt.

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