

GARBANZO BEANS
 Santa Barbara County - 1971
 Cost Analysis Work Sheet

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GARBANZO BEAN YIELD - 1000 lbs/acre
 (cleaned basis)

Operating Costs/hour

	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

Equipment Operator - \$2.60*/hr. total
 Hand Labor - 2.10* " "

Operations	Tractor	Acres /hour	Hours /acre	Labor	Fuel & Repairs	Materials		Cost/acre	
						Kind and Amount	Costs	Sample	Yours
Cultural Costs		Ac	Hr	\$	\$		\$	\$	
Disc 2 x	CT	5	.40	1.04	1.52				2.56
Plow 1x	CT	2	.50	1.30	1.90				3.20
Harrow 3x	CT	3.3	.30	.78	1.14				1.92
Coil tooth chisel	WT	2	.50	1.30	.60				1.90
Springtooth 2x	CT	4	.25	.65	.95				1.60
Plant (4 rows)	WT	4	.25	.65	.30	Seed - 25 lbs @ \$16/cwt	\$4.00		4.95
Light harrow	WT	10	.10	.26	.12				.38
Cultivate 3x	SWT	1	1.00	2.60	1.00				3.60
Hoeing (hand)			3.00	6.30					6.30
Insect Control-custom						Material \$6 - applic. \$3.50	\$9.50		9.50
Foliar Spray-custom						Copper sulphate spray \$1 - Appl. \$3.50	4.50		4.50
Repair equipment					3.00				3.00
Total Cultural Costs			6.30	\$14.88	\$10.53		\$18.00		\$43.41
Harvesting Costs									
Cutting	SWT	4	.25	.65	.25				.90
Rake 2x	SWT	3	.60	1.56	.60				2.16
Hand labor			.10	.21					.21
Threshing (1200 lbs)						70¢/cwt field run:12% over cleaned wt.	\$ 7.84		7.84
Hauling (1200 lbs)						15¢ cwt field run:12% over cleaned wt.	1.68		1.68
Cleaning						55¢ cwt clean basis	5.50		5.50
Storage & bags						35¢ cwt + 31¢/bag	6.60		6.60
Total Harvest Costs			.95	\$ 2.42	\$.85		\$21.62		\$24.89
Rent - Value of 1/4 share, 250 lbs @ 12¢									30.00
Business & miscellaneous costs						6% of cultural, harvest cost & rent			5.89
Depreciation & Interest						Depreciation	Interest 7%		
				Tractors		\$ 5.20	\$ 2.77		
				Other equip. \$30-10 yrs.		3.00	1.05		
Total Depreciation & Interest						\$ 8.20	\$ 3.82		12.02
Total Cost Per Acre									\$116.21
Total Cost Per cwt.									11.62

*Social Security, Workmen's Compensation included.

GARBANZO BEANS - PROFITS AS AFFECTED BY YIELD & PRICE

YIELD Cwt/Acre cwt.	Harvesting Costs/Acre \$	Garbanzo Beans - Price Per Cwt.								
		\$10.00	\$11.00	\$12.00	\$13.00	\$14.00	\$15.00	\$16.00	\$18.00	\$20.00
		\$ - Profit or Loss Per Acre								
600	12.97	-32.58	-28.08	-23.58	-19.08	-14.58	-10.08	- 5.58	- 1.08	+ 3.42
800	17.30	-21.90	-15.90	- 9.90	- 3.90	+ 2.09	+ 8.10	+14.10	+20.10	26.10
1000	21.62	-11.23	- 3.73	+ 3.77	+11.27	18.77	26.27	33.77	41.27	48.77
1200	25.94	- 0.52	+ 8.45	17.45	26.45	35.45	44.45	53.45	62.45	71.45
1400	30.27	+10.12	20.62	31.12	41.62	52.12	62.62	73.12	83.62	94.12
1600	34.59	20.80	32.80	44.80	56.80	68.80	80.80	92.80	104.80	116.80
1800	38.92	31.48	44.98	58.48	71.98	85.48	98.98	112.48	125.98	139.48
2000	43.24	42.15	57.15	72.15	87.15	102.15	117.15	132.15	147.15	162.15
2200	47.56	52.83	69.33	85.83	102.33	118.83	135.33	151.83	168.33	184.83
2400	51.89	63.50	81.50	99.50	117.50	135.50	153.50	171.50	189.50	207.50
2600	56.21	74.18	93.68	113.18	132.68	152.18	171.68	191.18	210.68	230.18
2800	60.54	84.86	105.86	126.86	147.86	168.86	189.86	210.86	231.86	252.86
3000	64.86	95.53	118.03	140.53	163.03	185.53	208.03	230.53	253.03	275.53
3200	69.18	106.21	130.21	154.21	178.21	202.21	226.21	250.21	274.21	298.21

Rent is based on 1/4 crop yield.

The cost of rent, threshing, hauling, cleaning and storage vary with yield per acre.

The market value of the beans also vary the rent cost per acre.

Cost is based on threshing @ 15¢/cwt on field run.

" " " " hauling @ 15¢/cwt on field run.

" " " " cleaning @ 55¢/cwt.

" " " " storage & bags @ 66¢/cwt.

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