

Agricultural Extension
 Santa Barbara County

S M A L L W H I T E B E A N S
 1974 - Cost Analysis Work Sheet

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SMALL WHITE BEAN YIELD - 2400 lbs/acre
 (clean beans)

Equipment Operator - \$3.83* per hr. total

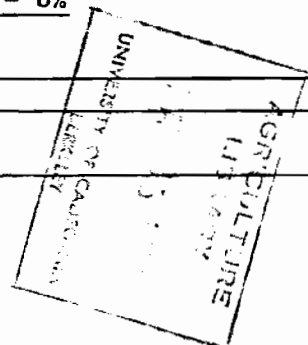
Other Labor - \$2.98* per hr. total

Operating Costs/hour

	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

Operation	Trac- tor	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	6.0	.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 Plant	WT	3.3	.30	1.15	.81	Material 50#N-50#P ₂ O ₅ + Applic. \$4	31.00	31.00	
Cultivate 3x	SWT	.5	1.50	5.75	3.15	Seed - 30 lbs. @ .50	15.00	16.96	8.90
Irrigate 3x			4.50	13.41		Water - 1.5 ac. ft. @ \$7.50	11.25	24.66	
Hand Hoe			5.00	14.90				14.90	
Repairs to Equipment				8	8.00			8.00	
Total Cultural Costs			13.25	\$ 42.69	\$24.74		\$57.25	124.68	
<u>Harvesting Costs</u>									
Cutting	SWT	3.3	.30	1.15	.63				1.78
Windrow	SWT	3.3	.30	1.15	.63				1.78
Implement repairs					.35				.35
Hand Work			1.00	2.98					2.98
Threshing-custom						\$1/cwt field run:10% over cleaned wt.	26.40	26.40	
Haul - custom						.20/cwt field run: 10% over cleaned wt.	5.28	5.28	
Cleaning - custom						.75/cwt field run: 10% over cleaned wt.	19.80	19.80	
Storage & bags						Storage .35/cwt - Bags .42/cwt	18.48	18.48	
Total Harvest Costs			1.60	\$ 5.28	\$ 1.61		\$69.96	76.85	
Rent - 60% of annual rate \$125									75.00
Business & Miscellaneous Costs						6% of cultural, harvest costs & rent			16.59
<u>Depreciation & Interest</u>						<u>Depreciation</u>	<u>Interest - 8%</u>		
	Tractors					\$ 8.60	\$ 5.61		
	Other equip. (\$110-10 yrs-60%)					6.60	2.64		
Total Depreciation & Interest						\$15.20	\$ 8.25		23.45
Total Cost Per Acre									316.57
Cost Per Cwt.									13.19

*Social Security, Workman's Compensation included.



SMALL WHITE BEANS - PROFITS AS AFFECTED BY YIELD AND PRICE

YIELD Cwt./Acre cwt.	Total Production Costs Per Acre \$	Small White Beans - Value per CWT.							
		\$ 15.00	\$ 20.00	\$ 25.00	\$ 30.00	\$ 35.00	\$ 40.00	\$ 45.00	\$ 50.00
		\$ - Profit or Loss Per Acre							
14	287.42	-77.42	-7.42	+62.58	132.58	202.58	272.58	342.58	412.58
16	293.25	-53.25	+26.75	106.75	186.75	266.75	346.75	426.75	506.75
18	299.08	-29.08	60.92	150.92	240.92	330.92	420.92	510.92	600.92
20	304.91	-4.91	95.09	195.09	295.09	395.09	495.09	595.09	695.09
22	310.74	+19.26	129.26	239.26	349.26	459.26	569.26	679.26	789.26
24	316.57	43.43	163.43	283.43	403.43	523.43	643.43	763.43	883.43
26	322.40	67.60	197.60	327.60	457.60	587.60	717.60	847.60	977.60
28	328.23	91.77	231.77	371.77	511.77	651.77	791.77	931.77	1071.77
30	334.06	115.94	265.94	415.94	565.94	715.94	865.94	1051.94	1165.94
32	339.89	140.11	300.11	460.11	620.11	780.11	940.11	1100.11	1260.11

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University of California
SANTA BARBARA COUNTY

WEB/EAY:sd
2/8/74: 200c.