

Agricultural Extension
 Santa Barbara County
 BUSH BEAN YIELD - 2000 lbs/acre
 (cleaned basis)

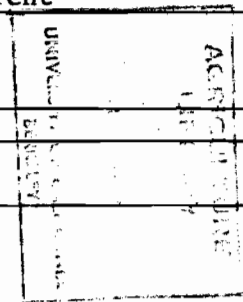
BUSH BEANS FOR SEED PRODUCTION
 Santa Barbara County - 1974
 Cost Analysis Work Sheet

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Operating Costs

						Fuel & Repairs	Deprec.	Interest	Total	
Equipment Operator - \$3.83* per hr. total						CT-Crawler tractor 80 hp	\$6.55	\$2.60	\$1.98	\$11.13
Other labor - 2.98* per hr. total						WT-Wheel tractor 60 hp	2.70	1.60	.80	5.10
						SWT-Wheel tractor 40 hp	2.10	1.45	.72	4.27
Operations	Tractor	Acres /hour	Hours /acre	Labor	Fuel & Repairs	Materials		Cost/Acre		
						Kind and Amount	Costs	Sample	Yours	
<u>Cultural Costs</u>		Ac.	Hr.	\$	\$			\$	\$	
Disc 2x	CT	2.0	.50	1.92	3.28				5.20	
Chisel	CT	2.0	.50	1.92	3.28				5.20	
Landplane	CT	2.0	.50	1.92	3.28				5.20	
Disc	CT	4.0	.25	.96	1.64				2.60	
Harrow	CT	5.0	.20	.77	1.31				2.08	
List & fertilize-custom						100 lbs N; 60 lbs P ₂ O ₅ - Applic.	\$4 46.00	46.00	46.00	
Weed control-custom						Herbicide & Application	15.00	15.00	15.00	
Plant	WT	3.3	.30	1.15	.81	125 lbs seed @ 35¢	43.75	45.57	45.57	
Cultivate 4x	SWT	.5	2.00	7.66	4.20			11.86	11.86	
Irrigate 6x total		1.5	9.00	26.82		Water 2.5 acre ft. @ \$7.50	18.75	45.57	45.57	
Repair equipment					8.00			8.00	8.00	
Total Cultural Costs			13.25	\$43.12	\$25.80		\$123.50	\$192.42		
<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 Labor		1.0	1.00	2.98					2.98	
Threshing-custom						\$1/cwt field run:20% over cleaned wt.	24.00	24.00	24.00	
Hauling-custom						.20/cwt field run:20% over cleaned wt.	4.80	4.80	4.80	
Cleaning						2.50/cwt clean basis	50.00	50.00	50.00	
Total Harvest Costs			1.60	\$ 5.28	\$ 1.26		\$78.80	\$ 85.34		
Rent						60% of \$125		\$ 75.00	\$ 75.00	
Business & Miscellaneous Costs						6% of cultural, harvest & rent		\$ 21.17	\$ 21.17	
<u>Depreciation & Interest</u>						Depreciation	Interest 8%			
						Tractors	\$ 9.32	\$ 5.97		
						Other equip.--\$110 - 10 yrs.	11.00	4.40		
Total Depreciation & Interest						\$20.32	\$10.37	\$ 30.69	\$ 30.69	
Total Cost Per Acre								\$404.62	\$404.62	
Total Cost Per CWT (cleaned beans)								20.23	20.23	

*Social Security, Workman's Compensation included



BUSH BEANS FOR SEED PRODUCTION - PROFITS AS AFFECTED BY YIELD AND PRICE

YIELD Cwt/Acre	Total Production Costs/Acre	Bean - Value per cwt.							
		\$ 32.00	\$ 34.00	\$ 36.00	\$ 38.00	\$ 40.00	\$ 42.00	\$ 44.00	\$ 46.00
Cwt		\$ Profit or Loss Per Acre							
14	\$380.98	67.02	95.02	123.02	151.02	179.02	207.02	235.02	263.02
16	388.86	123.14	155.14	187.14	219.14	251.14	283.14	315.14	347.14
18	396.74	179.26	215.26	251.26	287.26	323.26	359.26	395.26	431.26
20	404.62	235.38	275.38	315.38	355.38	395.38	435.38	475.38	515.38
22	412.50	291.50	335.50	379.50	423.50	467.50	511.50	555.50	599.50
24	420.38	347.62	395.62	443.62	491.62	539.62	587.62	635.62	683.62
26	428.26	403.74	455.74	507.74	559.74	611.74	663.74	715.74	767.74
28	436.14	459.86	515.86	571.86	627.86	683.86	739.86	795.86	851.86
30	444.02	515.98	575.98	635.98	695.98	755.98	815.98	875.98	935.98
32	451.90	572.10	636.10	700.10	764.10	828.10	892.10	956.10	1020.10

Agricultural Extension Service
 University of California
 Santa Barbara County

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