

BUSH BEANS FOR SEED PRODUCTION
 Santa Barbara County - 1971
 Cost Analysis Work Sheet

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BUSH BEAN YIELD - 2000 lbs/acre
 (cleaned basis)

					Operating Costs				
					Fuel & Repairs	Deprec.	Interest	Total	
Equipment Operator -	\$2.60*	per hr.	total		CT-Crawler tractor 75 hp	\$3.80	\$2.00	\$1.20	\$7.00
Irrigator -	2.30*	"	"		WT-Wheel tractor 50 hp	1.20	1.40	.55	3.15
Hand Labor -	2.10*	"	"		SWT-Wheel tractor 30 hp	1.00	.60	.30	1.90
Operations	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 2x	CT	2.0	.50	1.30	1.90			3.20	
Chisel	CT	2.0	.50	1.30	1.90			3.20	
Landplane	CT	2.0	.50	1.30	1.90			3.20	
Disc	CT	4.0	.25	.65	.95			1.60	
Harrow	CT	5.0	.20	.52	.76			1.28	
List & fertilize-custom						Material-\$20.50, Applic. -\$3	23.50	23.50	
Weed Control-custom						Materials & Application	15.00	15.00	
Plant	WT	3.3	.30	.78	.36	125 lbs seed @ 18¢	22.50	23.64	
Cultivate 4x	SWT	.5	2.00	5.20	2.00			7.20	
Irrigate 6x total		1.5	9.00	20.70		Water-2.5 acre ft. @ \$5	12.50	33.20	
Repair equipment					6.50			6.50	
<u>Total Cultural Costs</u>			13.25	31.75	16.27		73.50	121.52	
<u>Harvesting Costs</u>									
Cutting	SWT	3.3	.30	.78	.30			1.08	
Windrow	SWT	3.3	.30	.78	.30			1.08	
Implement Repairs					.25			.25	
Hand Labor		1.0	1.00	2.10				2.10	
Threshing-custom						70¢/cwt field run:20% over cleaned wt.	16.80	16.80	
Hauling-custom						15¢/cwt field run:20% over cleaned wt.	3.60	3.60	
Cleaning						2.50/cwt clean basis	50.00	50.00	
<u>Total Harvest Costs</u>			1.60	3.66	.85		70.40	74.91	
Rent						60% of \$90		54.00	
Business & Miscellaneous Costs						6% of cultural, harvest & rent		15.03	
<u>Depreciation & Interest</u>						<u>Depreciation</u>	<u>Interest 7%</u>		
				Tractors		\$5.88	\$3.28		
				Other equip.-\$90-10 yrs.		3.24	1.13		
<u>Total Depreciation & Interest</u>						9.12	4.41		13.53
<u>Total Cost Per Acre</u>									278.99
<u>Total Cost Per CWT (cleaned beans)</u>									13.95

*Social Security, Workman's Compensation included

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

YIELD Cwt./Acre	Harvesting Cost Per Acre	Total Production Cost Per Acre	Bean - Value per cwt.						
			\$15.00	\$16.00	\$17.00	\$18.00	\$19.00	\$20.00	\$21.00
			\$ Profit or Loss Per Acre						
14	\$ 53.79	\$ 257.87	- 47.87	- 33.87	- 19.87	- 5.87	+ 8.13	+ 22.13	+ 36.13
16	60.83	264.91	- 24.91	- 8.91	+ 7.09	+ 23.09	+ 39.09	+ 55.09	+ 71.09
18	67.87	271.95	- 1.95	+ 16.05	+ 34.05	+ 52.05	+ 70.05	+ 88.05	+106.05
20	74.91	278.99	+ 21.01	+ 41.01	+ 61.01	+ 81.01	+101.01	+121.01	+141.01
22	81.95	286.03	+ 43.97	+ 65.97	+ 87.97	+109.97	+131.97	+153.97	+175.97
24	88.99	293.07	+ 66.93	+ 90.93	+114.93	+138.93	+162.93	+186.93	+210.93
26	96.03	300.11	+ 89.89	+115.89	+141.89	+167.89	+193.89	+219.89	+245.89
28	103.07	307.15	+112.85	+140.85	+168.85	+196.85	+224.85	+252.85	+280.85
30	110.11	314.19	+135.81	+165.81	+195.81	+225.81	+255.81	+285.81	+315.81
32	117.15	321.23	+158.77	+190.77	+222.77	+254.77	+286.77	+318.77	+350.77

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WEB/EAY:sd
4/15/71:300c.

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