

SUGAR BEETS
Santa Barbara County - 1971
Cost Analysis Work Sheet

SUGAR BEET YIELD - 28 tons/acre

Operating Costs/Hour

						Fuel & Repairs	Deprec.	Interest	Total	
Equipment Operator - \$2.60* per hr. total										
Irrigator - 2.30* " " "						CT - Crawler tractor 75 hp	\$3.80	\$2.00	\$1.20	\$7.00
Hand labor - 2.10* " " "						WT - Wheel tractor 50 hp	1.20	1.40	.55	3.15
Operations	Tractor	Acres /hour	Hours /acre	Labor	Fuel & Repairs	Materials		Cost/Acre		
						Kind and Amount	Costs	Sample	Yours	
		Ac	Hr	\$	\$		\$	\$		
Cultural Costs										
Disc	CT	4.0	.25	.65	.95				1.60	
Plow	CT	1.3	.75	1.95	2.85				4.80	
Landplane	CT	2.0	.50	1.30	1.90				3.20	
Disc 2x	CT	2.0	.50	1.30	1.90				3.20	
List & fertilize-custom						Materials \$20 Application \$3	\$23.00		23.00	
Plant	WT	2.0	.50	1.30	.60	Seed - 3 lbs @ \$1.25	3.75		5.65	
Herbicide-custom							16.00		16.00	
Roll beds 2x	WT	2.0	.50	1.30	.60				1.90	
Hand thin-contract						\$29.50 plus 17.5%	34.66		34.66	
Irrigate 8x			12.00	27.60		3 acre ft. water @ \$5	15.00		42.60	
Fertilize - custom						Materials \$15 Application \$3	18.00		18.00	
Cultivation	WT	.4	2.50	6.50	3.00				9.50	
Repairs to equipment					8.00				8.00	
Total Cultural Costs							\$110.41	\$172.11		
Harvesting Costs										
Mechanical Digger						Contract \$1.25 ton (cleaned beets)			35.00	
Haul						Contract 1.25 ton (in-the-dirt:10% over cleaned weight)			38.50	
Total Harvest Costs									73.50	
Rent									90.00	
Business & miscellaneous costs						6% of cultural, harvest costs & rent			20.14	
Interest & Depreciation										
						Depreciation	Interest 7%			
						Tractors	\$ 8.90	\$ 4.32		
						Other equipment \$90	9.00	3.15		
Total Depreciation & Interest						\$17.90	\$ 7.47		25.37	
Total Cost per Acre									\$381.12	
Total Cost per Ton @ 28 tons per acre									13.61	

*Social Security, Workman's Compensation included.

SUGAR BEETS - PROFITS AS AFFECTED BY YIELD & PRICE

YIELD Tons/Acre Cwt.	Harvesting Costs/Acre \$	Total Production Costs/Acre \$	Sugar Beets - Price Per Ton						
			\$15.00	\$15.50	\$16.00	\$16.50	\$17.00	\$17.50	\$18.00
			\$ - Profit or Loss Per Acre						
18	49.75	357.37	- 87.37	- 78.37	- 69.37	- 60.37	- 51.37	- 42.37	- 33.37
20	52.50	360.12	- 60.12	- 50.12	- 40.12	- 30.12	- 20.12	- 10.12	- 0.12
22	57.75	365.37	- 35.37	- 24.37	- 13.37	- 2.37	+ 8.63	+ 19.63	+ 30.63
24	63.00	370.62	- 10.62	+ 1.38	+ 13.38	+ 25.38	+ 37.38	+ 49.38	+ 61.38
26	68.25	375.87	+ 14.13	+ 27.13	+ 40.13	+ 53.13	66.13	79.13	92.13
28	73.50	381.12	+ 38.88	52.88	66.88	80.88	94.88	108.88	122.88
30	78.75	386.37	63.63	78.63	93.63	108.63	123.63	138.63	153.63
32	84.00	391.62	88.38	104.38	120.38	136.38	152.38	168.38	184.38
34	89.25	396.87	113.13	130.13	147.13	164.13	181.13	198.13	215.13
36	94.50	402.12	137.88	155.88	173.88	191.88	209.88	227.88	245.88
38	99.75	407.37	162.63	181.63	200.63	219.63	238.63	257.63	276.63
40	105.00	412.62	187.38	207.38	227.38	247.38	267.38	287.38	307.38
42	110.25	417.87	212.13	233.13	254.13	275.13	296.13	317.13	338.13

Cost of digging - Below 20 tons/acre - \$25.00/acre.
 20 tons/acre and above - \$1.25/ton.
 Cost of hauling - @ \$1.20/ton.

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WEB/EAY:sd
 5/3/71:300c.

UC Cooperative Extension

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