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SUGAR BEETS  
SANTA BARBARA COUNTY - 1974  
Cost Analysis Work Sheet

SUGAR BEET YIELD - 28 tons/acre

Operating Costs/Hour

		Fuel & Repairs	Deprec.	Interest	Total
Equipment Operator - \$3.83 per hr. total	SWT - Wheel Tractor 40 hp	\$2.10	\$1.45	\$ .72	\$ 4.27
	CT - Crawler tractor 80 hp	6.55	2.60	1.98	11.13
Other labor - 2.98 " " "	WT - Wheel Tractor 60 hp	2.70	1.60	.80	5.10

Operations	Tractor	Acres /hour	Hours /acre	Labor	Fuel & Repairs	Materials		Cost/Acre	
						Kind and Amount	Cost	Sample	Yours
		Ac	Hr	\$	\$		\$	\$	
<u>Cultural Costs</u>									
Disc	CT	4.0	.25	.96	1.64				2.60
Plow	CT	1.3	.75	2.87	4.91				7.78
Landplane	CT	2.0	.50	1.92	3.28				5.20
Disc 2x	CT	2.0	.50	1.92	3.28				5.20
List & fertilize-custom						Materials 80# N--100#P <sub>2</sub> O <sub>5</sub> Appl. \$4	53.20	53.20	
Plant	WT	2.0	.50	1.92	1.35	Seed - 3 lb. @ \$1.75	5.25	8.52	
Herbicide-custom							16.00	16.00	
Roll beds 2x	SWT	2.0	.50	1.92	1.05			2.97	
Hand thin-contact						\$35.00 plus 20%	42.00	42.00	
Irrigate 8x			12.00	35.76		3 acre ft. water @ \$7.50	22.50	58.26	
Fertilize - custom						Materials 70# N Appl. \$4	20.80	20.80	
Cultivation	SWT	.4	2.50	9.58	5.25			14.83	
Repairs to equipment					8.00			8.00	
<b>Total Cultural Costs</b>			17.50	\$56.85	\$28.76		\$159.75	\$245.36	
<u>Harvesting Costs</u>									
Mechanical Digger						Contract \$1.50 ton (cleaned beets)		42.00	
Haul						Contract \$1.50 ton (in-the-dirt.10% over cleaned weight)		46.20	
<b>Total Harvest Costs</b>								88.20	
Rent								\$125.00	
Business & miscellaneous costs						6% of cultural, harvest costs & rent		27.52	
<u>Interest &amp; Depreciation</u>									
						Depreciation	Interest 8%		
						Tractors \$10.80	\$6.76		
						Other equipment \$110 11.00	4.40		
<b>Total Depreciation &amp; Interest</b>						\$21.80	\$11.16	\$32.96	
<b>Total Cost per Acre</b>								\$519.04	
<b>Total Cost per ton @ 28 tons per acre</b>								18.54	

SUGAR BEETS - PROFITS AS AFFECTED BY YIELD & PRICE

YIELD TONS/ACRE	TOTAL PRODUCTION COSTS/ACRE	SUGAR BEETS - PRICE PER TON							
		\$ 16.50	\$ 17.00	\$ 17.50	\$ 18.00	\$ 18.50	\$ 19.00	\$ 19.50	\$ 20.00
Cwt.	\$	\$ - Profit or Loss Per Acre							
18	487.50	-190.50	-181.50	-172.50	-163.50	-154.50	-145.50	-136.50	-127.50
20	493.80	-163.80	-153.80	-143.80	-133.80	-123.80	-113.80	-103.80	- 93.80
22	500.10	-137.10	-126.10	-115.10	-104.10	- 93.10	- 82.10	- 71.10	- 60.10
24	506.40	-110.40	- 98.40	- 86.40	- 74.40	- 64.40	- 50.40	- 38.40	- 26.40
26	512.70	- 83.70	- 70.70	- 57.70	- 44.70	- 32.70	- 18.70	- 5.70	+ 7.30
28	519.04	- 57.04	- 43.04	- 29.04	- 15.04	- 1.04	+ 12.96	26.96	40.96
30	525.30	- 30.30	- 15.30	- .30	+ 14.70	29.70	44.70	59.70	74.70
32	531.60	- 3.60	+ 12.40	28.40	44.40	60.40	76.40	92.40	108.40
34	537.90	+ 23.10	40.10	57.10	74.10	91.10	108.10	125.10	142.10
36	544.20	49.80	67.80	85.80	103.80	121.80	139.80	157.80	175.80
38	550.50	76.50	95.50	114.50	133.50	152.50	171.50	190.50	209.50
40	556.80	103.20	123.20	143.20	163.20	183.20	203.20	223.20	243.20
42	563.10	129.90	150.90	171.90	192.90	213.90	234.90	255.90	276.90

Cost of digging - below 20 tons/acre - \$30.00/acre.  
 20 tons/acre and above - \$1.50/ton.  
 Cost of hauling - @ \$1.50/ton.

Agricultural Extension  
 University of California  
 Santa Barbara County

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 2/6/74:200c.