

SAMPLE COSTS OF PRODUCING SUGAR BEETS

San Benito County, 1973

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70 acres of sugar beets on a 300 acre farm
Yield -- 25 tons per acre

Operation	Hrs. Per Acre	Cash and Labor Costs per Acre				Total
		Fuel & Labor	Repairs	Materials	Cost	
<u>Cultural Costs</u>						
Land Preparation	3.08	\$ 9.86	\$12.44			\$ 22.30
Fertilize, preplant (contract)				450# 12-12-12	\$ 29.31	29.31
Fertilize, sidedress (contract)				400# 21-0-0	15.25	15.25
Plant	.42	1.34	1.07	2½ lbs. @ \$1.50	3.75	6.16
Irrigate, sprinklers 2x	4.00	15.20		4 acre inches	4.11	19.31
Irrigate, furrows, 5x	10.00	28.80		20 acre inches	13.70	42.50
Cultivate, 5x	3.90	2.86	2.47			5.33
Thin & hoe, 1x	16.00	41.60				41.60
hoe, 1x						
TOTAL CULTURAL COST		\$ 99.66	\$15.98		\$ 66.12	\$181.76
<u>Harvest Costs</u>						
Harvest (contract)				\$1.40 per ton	\$ 35.00	\$ 35.00
Haul to dump (contract)				\$1.50 per ton	37.50	37.50
TOTAL HARVEST COST					\$ 72.50	\$ 72.50
<u>Cash Overhead</u>						
Misc., office, pickup truck, insurance, interest on operating capital, 12% of cultural costs						\$ 21.81
Taxes on equipment						8.19
Rent, including well						115.00
TOTAL CASH OVERHEAD						\$145.00
TOTAL CASH COST						\$399.26
TOTAL CASH COST PER TON						\$ 15.97
<u>MANAGEMENT</u>						
5% of 25 tons @ \$18.00						\$ 22.50
<u>Investment Cost</u>						
		<u>Per Acre</u>		<u>Annual Cost Per Acre</u>	<u>Depreciation</u>	<u>Interest</u>
TOTAL INVESTMENT COST		\$441.73		\$37.37	\$18.59	\$ 55.96
TOTAL COST PER ACRE						\$477.72
TOTAL COST PER TON						\$ 19.11

COST OF PRODUCTION AT VARYING YIELDS

YIELD -- Tons per Acre	15	20	25	30	35
COST PER TON	\$29.31	\$22.94	\$19.11	\$16.56	\$14.73

SUGAR BEETS
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APPENDIX --- COSTS USED

DETAILS OF LAND PREPARATION COSTS USED

	Size	Cash and Labor Cost Per Acre			Total Each Time	Total All Times
		(1) hrs/acre	Labor	Fuel, Repairs		
Plow, 1x					5.22	5.22
Tractor, diesel crawler	60 hp	.54	1.72	2.14		
Plow, hydraulic, 2-way	4-16	.54		1.36		
Chisel, 1x					2.75	2.75
Tractor, diesel crawler	60 hp	.35	1.11	1.39		
Chisel, 10' ft		.35		.25		
Landplane, 2x					2.82	5.64
Tractor, diesel crawler	60 hp	.66	2.10	2.62		
Landplane	10 x 40'	.66		.92		
Disc, 3x					1.93	5.78
Tractor, diesel wheel	60 hp	.99	3.15	1.49		
Disc, hydraulic	10 ft	.99		1.14		
List, 1x					1.81	1.81
Tractor, gas wheel	40 hp	.32	1.08	.59		
Lister	3-row	.32		1.14		
Shape & Harrow, 1x					1.10	1.10
Tractor, gas wheel	20 hp	.22	.70	.22		
Bedshaper	3-bed	.22		.22		
Harrow, spike	16 ft.	.22		.06		
TOTAL LAND PREPARATION		3.08	9.86	12.44		22.30
(1)Horsepower at 75% maximum						

INVESTMENT COSTS INCLUDED

INVESTMENT	PER ACRE	ANNUAL COST PER ACRE		
		Depreciation	Interest	Total
Shop equipment & storage	50.00	1.25	2.00	3.25
Trucks, two ½-ton pickups	22.67	3.24	.91	4.15
Tractor, 60-hp, diesel crawler	120.67	8.04	4.49	12.53
Tractor, 60 hp, diesel wheel	41.00	4.10	1.64	5.74
Tractors, 20-hp & 40-hp, gas wheel	43.92	4.39	1.76	6.15
Plow, 2-way hydraulic, 4-16	20.00	2.00	.80	2.80
Chisel, 10-ft.	5.17	.52	.21	.73
Landplane, 10 ft. x 40 ft.	19.67	1.31	.79	2.10
Disc, hydraulic, 10-ft.	10.33	1.03	.41	1.44
Lister, 3-row; Bed shaper, 3-bed	5.41	.54	.21	.75
Planter, 6-row	8.00	.80	.32	1.12
Cultivating sled, 3-bed	6.67	.67	.27	.94
Harrow, spike, 16 ft.	1.87	.09	.07	.16
Roller, 21 ft.	8.33	.42	.33	.75
Sprinklers, laterals, risers, gated pipe	31.35	3.14	2.51	5.65
Booster pumps, two, 50 hp	46.67	5.83	1.87	7.70
TOTAL INVESTMENT OVERHEAD	441.73	37.37	18.59	55.96

HOURLY-LABOR-RATES-USED

	Base Rate	Fringes & Other	Total		Base Rate	Fringes & Other	Total
Lister Operator	\$2.80	\$.56	\$3.36	Irrigators	\$2.40	\$.48	\$2.88
Tractor Drivers	2.65	.53	3.18	Field Hands	2.25	.35	2.60