

SAMPLE COSTS TO PRODUCE SUGAR BEETS ON HEAVY CLAY SOILS
IN SAN JOAQUIN COUNTY - UPDATED APRIL 1983

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Yield: 30 tons clean beets.

Operation	Hours per Acre	Cash and Labor Cost per Acre				Total
		Labor	Fuel and Repairs	Materials Kind and Quantity	Cost	
Cultural costs						
Plow	0.50	\$3.25	\$ 7.75			\$ 11.00
Disc	0.50	3.25	7.75			11.00
Smooth, level	0.50	3.25	7.75			11.00
Chisel, harrow	0.33	2.16	5.12			7.28
List & fertilize				Contract applied/A + 20 gal 8-24-6 @ \$1.52/gal	\$11.25 30.40	41.65
Plant, incorp. herbicide	0.40	2.60	2.80	Seed, 2# @ \$4.00 Herbicide	8.00 12.00	25.40
Sidedress, fertilizer				Contract applied + 150# nitrogen @ .20/lb	10.25 30.00	40.25
Cultivate, 2x	1.00	6.50	7.00			13.50
Thin, electronic				Custom	18.00	18.00
Sulfur dust, 2x				Contract applied + material 80# @ .14/lb	10.50 11.20	21.70
Irrigate, 7x	7.00	38.50		Water, 5 ac. ft. @ \$13.50	67.50	106.00
Hand hoeing, (trim, pull weeds, hoe)				Contract	50.00	50.00
Open & close ditches	1.00	6.50	7.00			13.50
Equipment repairs		6.50	10.00			16.50
Misc. tractor work	1.00	6.50	7.00			13.50
TOTAL CULTURAL COSTS						\$400.28
Harvest costs (custom)						
Top & dig				33 tons @ \$2/ton	\$66.00	\$ 66.00
Haul field-run beets				33 tons @ \$1.60/ton + .06/T mile, 10 mi.	52.80 19.80	72.60
TOTAL HARVEST COSTS						\$138.60
Cash overhead						
Misc. office, etc.		(5% of cultural & harvest costs)			\$ 26.94	\$ 26.94
Taxes (equipment)					1.50	1.50
Rent					150.00	150.00
TOTAL CASH OVERHEAD						\$178.44
TOTAL CASH COST						\$717.32
Investment						
		<u>Annual Cost</u>				
	<u>Per Acre</u>	<u>Depreciation</u>	<u>Interest 12% on 50% of cost</u>			
Equip., tractors	\$150	\$15.00	\$9.00			\$ 24.00
TOTAL COST PER ACRE						\$741.32
COST PER TON @ 30-TON YIELD						\$ 24.71

COMMENTS ON
SAMPLE COSTS TO PRODUCE SUGAR BEETS

1. Operations and costs are typical of many growers; however, both may vary greatly. Heavy clay soils were assumed.
2. Equipment operating costs are listed under fuel and repairs. The figure is supposed to include costs of fuel, maintenance, replacement parts, tires, etc. Actual costs may be higher than these.
3. In allocating equipment costs, a value of \$150 per acre was assumed, which was depreciated over a 10-year period. Annual interest was charged on one-half of the amount at 12% per annum. Actual situations could vary greatly from the sample.
4. Labor is charged at a cost to the grower of \$6.50 per hour for tractor driver and \$5.50 for other labor.
5. No management charge is figured, or interest on production loan.
6. Events or needs that may add to the costs are: fumigation for nematode control, aphid or worm sprays, higher water costs, need for more hand weeding, higher equipment or tractor operating or overhead costs, interest on operating capital and taxes.
7. Digging and hauling charges are based on 10% tare, i.e., 33 tons were dug to deliver 30 tons of clean beets to factory.
8. Rents are quite variable--20% of the net tons delivered is not uncommon.
9. Returns to grower are based on the net selling price of sugar and the sugar content of the beets.
10. All costs are subject to changes.



CALIFORNIA
SUGAR BEET PRICES PER TON



*NSP Per Cwt. Sugar	13%	14%	15%	16%	17%	18%
\$15.00	\$20.18	\$21.77	\$23.37	\$24.98	\$26.59	\$28.21
16.00	21.48	23.17	24.87	26.58	28.29	30.01
17.00	22.78	24.57	26.37	28.18	29.99	31.81
18.00	24.08	25.97	27.87	29.78	31.69	33.61
19.00	25.38	27.37	29.37	31.38	33.39	35.41
20.00	26.68	28.77	30.87	32.98	35.09	37.21
21.00	27.98	30.17	32.37	34.58	36.79	39.01
22.00	29.28	31.57	33.87	36.18	38.49	40.81
23.00	30.58	32.97	35.37	37.78	40.19	42.61
24.00	31.88	34.37	36.87	39.38	41.89	44.41
25.00	33.18	35.77	38.37	40.98	43.59	46.21
26.00	34.48	37.17	39.87	42.58	45.29	48.01
27.00	35.78	38.57	41.37	44.18	46.99	49.81
28.00	37.08	39.97	42.87	45.78	48.69	51.61
29.00	38.38	41.37	44.37	47.38	50.39	53.41
30.00	39.68	42.77	45.87	48.98	52.09	55.21
31.00	40.98	44.17	47.37	50.58	53.79	57.01
32.00	42.28	45.57	48.87	52.18	55.49	58.81
33.00	43.58	46.97	50.37	53.78	57.19	60.61
34.00	44.88	48.37	51.87	55.38	58.89	62.41

*NSP (Net Selling Price) is the net return for sugar sold during a 12-month sales period, after deducting from the gross sales price all such charges and expenditures that are customarily considered selling expenses.