

SUGAR BEETS - SPRINKLER IRRIGATED
1983 - Cost Analysis Work Sheet

University of California
Cooperative Extension

YIELD: 28 tons/acre

Operating Costs/Hour

Equipment Operator - \$8.61* per hr. total
Other Labor 7.56* per hr. total

	Fuel & Repairs	Deprec.	Interest	Total
HWT - Heavy wheel tractor 150 hp	\$23.09	\$4.00	\$3.80	\$29.88
MWT - Medium wheel tractor 80 hp	11.15	2.10	1.50	14.75
SWT - Small wheel tractor 50 hp	6.12	1.48	1.04	8.64

*Social Security, Workman's Comp, Insurance included

Operations	Trac- tor	Acres /Hour	Hours /Acre	Labor \$	Fuel & Repairs \$	Materials		Cost/Acre	
						Kind and Amount	Costs	Sample	Sample
Cultural Costs									
Disc 2x	HWT	5.0	.4	3.44	9.23				12.67
Chisel 1x	HWT	2.5	.4	3.44	9.23				12.67
Landplane	HWT	2.0	.5	4.31	11.54				15.85
Harrow	HWT	6.0	.17	1.46	3.92				5.38
List & Fertilize Custom Applic.						Custom: Applic \$8 80# N 100# P ₂ O ₅ Material \$70	78.00	78.00	
Plant	MWT	4.0	.25	2.15	2.79	Coated Seed 10 lbs @ \$1.45/lb.	14.50	19.44	
Herbicide-custom						Materials & application	55.00	55.00	
Roll beds 2x	SWT	4.0	.5	4.31	3.06			7.37	
Aphid control-custom						Materials & application	16.00	16.00	
Hand thin-contract						Contract	80.00	80.00	
Fertilize-custom						70# N Material \$25 Applic \$7.25	32.25	32.25	
Cultivation 5x	SWT	2.0	2.50	21.53	15.30			36.83	
Hand weed contract						Contract	40.00	40.00	
Irrigate 8x			12.00	90.72	10.00	3 acre ft. @ \$30.00/acre foot	90.00	190.72	
Powdery mildew control 2x						custom-materials & application	40.00	40.00	
Repairs to Equipment					19.39			19.39	
Interest on operating capital							40.42	40.42	
TOTAL CULTURAL COSTS				\$131.36	\$84.46		\$486.17	\$701.99	
Harvesting Costs - Mechanical Digger						Cont: \$2.10(screened wt.8%over clean wt)		\$ 63.50	
Hauling						Cont: \$2.05(field wt.12% over clean wt)		64.29	
TOTAL HARVESTING COSTS								\$127.79	
Rent								\$225.00	
Business & Miscellaneous Costs 6% of cultural, harvest costs and rent								63.29	
Depreciation and Interest						Depreciation	Interest 14%		
						Irrigation system, \$500.00	\$33.33	\$35.00	
						Tractors	10.85	7.62	
						Other equipment, \$250.00	25.00	17.50	
TOTAL DEPRECIATION & INTEREST							\$69.18	\$60.12	
TOTAL COST PER ACRE								\$1247.37	
TOTAL COST PER TON @ 28 tons per acre								\$ 44.55	