

SAMPLE COSTS TO PRODUCE SUGAR BEETS IN MONTEREY COUNTY - 1988

By Harry Agamalian, Farm Advisor

YIELD: 35 Tons Per Acre
 HARVEST: Sept. - Oct.
 PLANT: Dec. - Jan.

TOTAL LABOR COSTS/HOUR*					HOURLY TRACTOR COSTS		
					Cash Costs	Depreciation	Interest
Equipment Operator	11.65						
Irrigator	10.15	80 h.p. Crawler Diesel			12.52	4.72	4.25
Other Labor	10.00	80 h.p. Wheel Diesel			7.18	1.88	1.13
Operation	Tractor Used	Hours/Acre	Labor	Fuel & Repairs	Contract and Materials	Total/Acre	Your Cost
Disc & Roll 3x	C-80	0.69	8.04	13.36		21.40	
Chisel 2x	C-80	0.66	7.69	9.74		17.43	
Land Plane 2x	C-80	0.52	6.06	8.16		14.22	
List & Preplant Fert. Application					Appl. with Telone	10.00	
					400# 5-17-17	52.00	
Fumigant (Telone)					6 gal @ \$10.50/gal	63.00	
Seed Coating & Seed						39.00	
Shape Beds & Roll	WD-80	0.25	2.91	2.05		4.96	
Plant 4 Beds					Contract @ \$15.00/ac	15.00	
Herbicide 2x	Preemergence 1x				Pyramin + Nortron	53.52	
					(1qt+1qt/A) & band appl.		
	Post Emergence 1x				Betamix (1qt/A)band appl.	36.05	
Insecticide	Application				Contract appl.	26.50	
	Temik				10# @ 3.10 lb.	31.00	
Mildew 1x	sulfur				50# @ .22 lb.	11.00	
	Application				50# @ .32 lb.	16.00	
Irrigation 9x**		13.5	137.02		3.0/ac/ft @ 30	227.02	
Fertilizer-Sidedress 1x					300# 20-0-0-5 & Appl.	45.75	
	Water run				200# 20% incl.tank set-up	21.10	
Electronic Thin***						28.00	
Cultivate 5x	WD-80	2.5	25.00	17.95		42.75	
Hoe & Weed****		2.0	20.00			20.00	
Misc. (inc. Setup & Moving)		4.0	43.30	16.00		59.30	
CULTURAL & MATERIAL COSTS						828.80	
Overhead							
Business Costs: Office & bus. expense @ 5% of cultural costs						41.44	
Taxes						5.00	
Rent						200.00	
TOTAL OVERHEAD COSTS						246.44	
TOTAL COSTS UP TO HARVEST							1,075.24
Harvest							
Dig: \$2.25 per ton (Est. 35 TPA)						78.75	
Haul: \$1.75 + .07/T/M (Est. 10 miles)						85.75	
TOTAL HARVEST						164.50	
TOTAL CULTURAL, OVERHEAD, AND HARVESTING COSTS						1,239.74	

*See Reverse for all Footnotes

- *Does not include fringe benefits paid by grower
- **This will depend on soil texture
- ***This depends if it was planted to stand
- ****Depending on herbicide control

Note: These costs were compiled in cooperation with several growers and Union Sugar personnel

CLARIFICATION OF CONTRACT MATERIALS

<u>Preplant Fertilizers:</u>	Cost represents 400 lb/A 5-17-17 applied The application charge includes Telone where needed.
Nematicide:	Telone 6 gallons/a. @ \$10.50/gal. Application charge included with preplant fertilizer.
Herbicides:	Cost established on the use of Pyramin plus Nortron. (1 qt. + 1 qt/A). Band application. Post emergence application Betamix (1 qt/A.) Banded.
Insecticide:	Temik - 10 lb/A. Application and material.
Fungicide:	Sulfur dusting for mildew control. 50 lb/A. @ .22/Lb. Application @ .32/Lb
Irrigation:	3.0/ac/ft. @ 30.00/ac/ft.
<u>Sidedress Fertilizers</u>	300 lb. 20-0-0-5 and Application 200 lb. 20% include tank set up for water-run.

SUMMARY OF COST AND PROFIT WITH VARYING YIELDS, % SUGAR

YIELD: TONS PER ACRE	35	40	45	50
GROWING COSTS PER ACRE	\$1,075.24	\$1,075.24	\$1,075.24	\$1,075.24
HARVEST COST \$4.70/TON	104.74	188.00	211.50	235.00
TOTAL COST PER ACRE	1,239.98	1,263.24	1,286.74	1,310.24
TOTAL COST PER TON	35.42	31.58	28.59	26.20

INCOME AT:	% SUGAR	NSP \$22.00				
	13	\$29.28	\$1,024.80	\$1,171.20	\$1,317.60	1,464.00
	14	31.57	1,104.95	1,262.80	1,420.65	1,578.50
	15	33.87	1,185.45	1,354.80	1,524.15	1,693.50
	16	35.18	1,266.30	1,447.20	1,628.10	1,809.00
	17	38.49	1,347.15	1,539.60	1,732.05	1,924.50