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SUGARBEETS

Glenn, Butte and Tehama Counties

by
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***University of California, Davis
Cooperative Extension***

UC COOPERATIVE EXTENSION

1991
**U.C. COOPERATIVE EXTENSION
SAMPLE COSTS TO PRODUCE SUGARBEETS
IN GLENN, BUTTE AND TEHAMA COUNTY**

by

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The detailed costs for sugarbeet production in Glenn, Butte and Tehama Counties are presented in this study. The hypothetical farm used in this report consists of 1500 acres of which 250 acres are in sugarbeet production. The remainder of the farm is planted to different field crops.

Practices described are based on those production procedures considered typical for this crop and area. Sample costs given for labor, materials, equipment and contract services are based on current figures. Some costs and practices detailed in this study may not be applicable to your situation. This study is only intended as a guide and can be used in making production decisions, determining potential returns, preparing budgets and evaluating production loans. A blank *Your Costs* column is provided to enter your actual costs on Table 1, **Costs Per Acre To Produce Sugarbeets**.

This study consists of **General Assumptions for Producing Sugarbeets** and six tables.

Table 1.	Costs Per Acre To Produce Sugarbeets
Table 2.	Monthly Cash Costs Per Acre To Produce Sugarbeets
Table 3.	Annual Equipment, Investment And Business Overhead
Table 4.	Hourly Equipment Costs
Table 5.	Ranging Analysis
Table 6.	Costs And Returns / Breakeven Analysis.

For an explanation of calculations used for the study refer to the attached **General Assumptions**, call the Department of Agricultural Economics, Cooperative Extension, University of California, Davis, California, (916) 752-3589 or call the Farm Advisor in the county of interest.

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GENERAL ASSUMPTIONS FOR PRODUCING SUGARBEETS

Glenn, Butte and Tehama Counties - 1991

U.C. Cooperative Extension

The following is a description of some general assumptions pertaining to sample costs of sugarbeet production in Glenn, Butte and Tehama Counties. These costs are represented on an annual, per acre basis.

1. LAND:

This cost of production study is based on a 1,500 acre field and row crop operation of which 250 acres dedicated to growing sugarbeets. Other crops grown on the same acreage in rotation with sugarbeets might include small grains, safflower, alfalfa hay, ladino clover seed, sudangrass seed, grain sorghum, field corn, etc.

2. RENT AGREEMENT:

Land used for sugarbeet production can be rented on a tenant-landowner basis with the landowner receiving between 15-20% of the gross income. In this study the landowner receives 18% of the gross crop receipts from the sale of 25 tons per acre of clean beets. Clean beets in this study can also be referred to as net tons. The tenant pays all cash costs to produce the crop. Interest cost for land is incurred by the landowner. Land is not depreciated.

3. CULTURAL PRACTICES:

The cultural, pesticide and fertilizer inputs for the production of sugarbeets vary considerably from grower to grower and field to field. The practices and inputs used in this cost study serve only as a sample or a guide. Variations as to cultural practices and inputs can be significant. Contact your local Farm Advisor for advice on production practices.

4. YIELDS & RETURNS:

Percent sucrose and net selling price of sugar determine the per ton return on sugarbeets. The crop yield used in this study is 27 gross tons at 14% sugar. Seven and one half percent of the gross tonnage is lost in screenings and tare, leaving a net yield of 25 tons of sugarbeets per acre. An estimated price of a \$35.57 per net ton of beets is used in this study. Returns for different tonnage and sugar percentage levels will vary and the \$35.57 per net ton used in the cost study is, at best, an estimate taking into consideration current situations. Consult contracting sugar companies should you have interest in the price outlook for sugarbeets.

5. HARVEST:

Sugarbeets are often custom harvested as is assumed in this study. Varying yields and distance to processing plants will generate differences in harvest costs per ton. For more information on custom harvesting contact the farm advisor or company contracting for sugarbeets in the area of interest. If a grower is doing his own harvesting, equipment for the required operations should be inventoried and labor, fuel, repairs, depreciation and interest on investment, etc. would need to be added as a cost of production and custom charges should be subtracted.

6. LABOR:

Basic hourly wages for workers are \$7.09 and \$5.00 per hour for machine operators and non-machine (irrigators) workers respectively. Adding 34% for SDI, FICA, insurance and other benefits gives the labor rates shown of \$9.50 per hour for machine operators and \$6.70 per hour for non-machine labor. The labor for operations

involving machinery are 10% higher than the machine hours to account for the extra labor involved in equipment set-up, moving, maintenance and repair.

7. INVESTMENT:

The investments shown in Table 3 are those that are partially allocated to sugarbeet production. Investments such as fuel tanks and pumps, shop buildings, tools, etc., can be used by the whole farm so only a portion of the costs can be assigned to the sugarbeet operation and the rest of the costs are distributed to the other farm enterprises. Annual investments shown in Table 1 represent the depreciation and opportunity cost for each investment on an annual per acre basis.

8. OVERHEAD:

County taxes are calculated as 1% of the average of the equipment, buildings and improvements. Insurance is charged at 1% of the average value of the equipment over its useful life. Office and business costs are estimated at \$30 per acre for the ranch. These expenses include office supplies, telephones, bookkeeping, accounting, legal fees, road preparation and maintenance, etc.

9. INTEREST:

Interest on operating capital is based on cash costs and is calculated monthly for nine months until harvest at the rate of 11.75% per year. Interest is also charged on investment at 12.05% per year to account for income foregone that could be received from an alternative investment (opportunity cost) and is based on the average value of the buildings and equipment.

10. EQUIPMENT COSTS:

In allocating the equipment costs per acre, the following calculations were made and shown in Table 3 and Table 7: (a) **Original Cost** of equipment is the cost of the new equipment plus sales tax. (b) **Depreciation** is straight line with a 10% salvage value. (c) **Interest** on investment is calculated as one-half of the new cost per acre (the average value of the equipment during its useful life) multiplied by an interest rate of 12.05%. (d) The total investment costs are also calculated as 60% of the depreciation and the interest costs for all new equipment to reflect a mix of the new and used equipment. These values are also used in Table 1. Most of this equipment is used on the entire 1500 acre ranch.

11. FUEL & REPAIR:

The fuel and repair cost per acre for each operation in Table 1 is determined by multiplying the total hourly operating cost for each piece of equipment in Table 4 by the number of hours per acre for that operation. Prices for on-farm delivery of gasoline and diesel are \$0.85 per gallon and \$1.03 per gallon, respectively

12. ACKNOWLEDGEMENT:

Several sugarbeet producers assisted in furnishing information for this study. Appreciation is expressed to those growers and other individuals who provided assistance.

Table 1.

U.C. COOPERATIVE EXTENSION
 COSTS PER ACRE TO PRODUCE SUGAR BEETS
 GLENN, BUTTE & TENAMA COUNTIES - 1991

Labor Rate: \$ 9.50/hr. machine labor Interest Rate: 11.75%
 \$ 6.70/hr. non-machine labor Yield per Acre: 25 ton

Operation	Operation Time (Hrs/A)	Cash and Labor Costs per Acre					Total Cost
		Labor Cost	Fuel & Repairs	Material Cost	Custom/ Rent		
Cultural:							
Rip	0.26	2.96	6.87	0.00	0.00	9.83	
Disc stubble	0.20	2.28	5.86	0.00	0.00	8.14	
Finish disc 2X	0.20	2.28	4.95	0.00	0.00	7.23	
Laser, contract every 8 years	0.00	0.00	0.00	0.00	5.00	5.00	
Chisel	0.10	1.14	1.93	0.00	0.00	3.07	
Land plane field	0.32	3.65	4.48	0.00	0.00	8.12	
List beds	0.16	1.82	2.19	0.00	0.00	4.02	
Pre/post-emergent herb. (early season)	0.59	6.70	3.23	53.28	0.00	63.21	
Cultivate & Fertilize, pre/post-plant	0.57	6.50	7.55	35.55	0.00	49.60	
Plant	0.27	3.12	5.63	24.65	0.00	33.41	
Make ditches	0.10	1.14	1.15	0.00	0.00	2.29	
Irrigate	5.50	36.85	0.00	67.50	0.00	104.35	
Close ditches	0.08	0.91	0.72	0.00	0.00	1.63	
Cultivate	0.50	5.70	6.87	0.00	0.00	12.57	
Hand thin & weed, contract	0.00	0.00	0.00	0.00	75.00	75.00	
Apply layby herbicide	0.50	5.70	5.47	19.67	0.00	30.83	
Apply mildew control	0.00	0.00	0.00	45.98	20.00	65.98	
Apply insect control	0.13	1.48	0.28	31.12	6.00	38.88	
Pickup use	0.18	2.03	1.74	0.00	0.00	3.76	
CULTURAL COSTS	9.66	84.27	58.91	277.74	106.00	526.92	
Harvest:							
Dig and top beets	0.00	0.00	0.00	0.00	50.00	50.00	
Load and haul beets	0.00	0.00	0.00	0.00	49.20	49.20	
TOTAL HARVEST COSTS	0.00	0.00	0.00	0.00	99.20	99.20	
Interest on operating capital @ 11.75%						36.83	
TOTAL OPERATING COSTS/ACRE		84.27	58.91	277.74	205.20	662.95	
TOTAL OPERATING COSTS/TON						26.52	
CASH OVERHEAD:							
Landowner share						161.00	
Office expense						30.00	
Property Taxes						1.92	
Equipment Insurance						0.96	
Investment Repairs						0.42	
TOTAL CASH OVERHEAD COSTS						194.29	
TOTAL CASH COSTS/ACRE						857.24	
TOTAL CASH COSTS/TON						34.29	

U.C. COOPERATIVE EXTENSION
Table 1. continued.

CASH OVERHEAD:

Investment	Per producing Acre	Annual Cost		
		Depreciation	Interest @ 11.75%	
Storage building	5.00	0.25	0.30	0.55
Bait applicator	2.33	0.21	0.15	0.36
Shop tools	6.67	0.40	0.44	0.84
Fuel tanks & pumps	5.37	0.27	0.32	0.59
Shop Building	24.67	1.23	1.49	2.72
Equipment	307.90	24.86	20.41	45.26
TOTAL NON-CASH OVERHEAD COSTS	351.93	27.22	23.11	50.33

TOTAL COSTS/ACRE 907.57

TOTAL COSTS/TON 36.30

Table 2.

U.C. COOPERATIVE EXTENSION
MONTHLY CASH COSTS PER ACRE TO PRODUCE SUGARBEETS
GLENN, BUTTE & TENHAMA COUNTIES - 1991

	SEP 90	OCT 90	NOV 90	DEC 90	JAN 91	FEB 91	MAR 91	APR 91	MAY 91	JUN 91	JUL 91	AUG 91	SEP 91	OCT 91	TOTAL
Beginning SEP 90															
Ending OCT 91															
Cultural:															
Rip	9.8														10
Disc stubble	8.1														8
Finish disc 2X	7.2														7
Laser, contract every 8 yrs.	5.0														5
Chisel	3.1														3
Land plane field	8.1														8
List beds	4.0														4
Apply pre/post emerge. herb.		15.7	17.5	17.7	12.3										63
Cult. & fert., pre/post-plant			20.8	28.8											50
Plant			25.0	8.4											33
Make ditches			0.5	0.5	0.9	0.5									2
Irrigate			10.9	9.4	9.4	9.4				18.7	28.1	9.6	9.4		104
Close ditches			0.4	0.8									0.4		2
Cultivate				6.3											13
Hand thin & weed, contract				75.0											75
Apply layby herbicide				15.4											31
Apply mildew control					15.4						15.6	14.8			66
Apply insect control											38.9				39
Pickup use														3.8	4
TOTAL CULTURAL COSTS	33.3	12.1		15.7	63.7	44.1	148.9	60.8	18.7	82.5	33.5	9.8	9.8	3.8	527
Harvest:															
Dig end top beets														50.0	50
Load and haul beets														49.2	49
TOTAL HARVEST COSTS											4.0	99.2	99.2	99.2	99
Interest on oper. capital	0.3	0.4	0.4	0.4	0.6	1.2	1.7	3.1	3.7	3.9	4.7	6.3	5.1	6.1	37
TOTAL OPERATING COSTS/ACRE	33.6	12.6	0.4	0.4	16.3	64.9	45.8	152.1	64.5	22.6	87.2	16.3	14.9	109.1	663
TOTAL OPERATING COSTS/TON	1.3	0.5	0.0	0.0	0.7	2.6	1.8	6.1	2.6	0.9	3.5	0.7	0.6	4.4	27
OVERHEAD:															
Landowner share														161.0	161
Office expense														30.0	30
Property Taxes				1.9											2
Equipment Insurance					1.0										1
Investment Repairs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTAL CASH OVERHEAD COSTS	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194
TOTAL CASH COSTS/ACRE	33.6	12.6	0.5	2.4	17.3	65.0	45.8	152.1	64.6	22.6	87.3	16.3	14.9	300.1	857
TOTAL CASH COSTS/TON	1.3	0.5	0.0	0.1	0.7	2.6	1.8	6.1	2.6	0.9	3.5	0.7	0.6	12.0	34

U.C. COOPERATIVE EXTENSION

Table 3.

ANNUAL EQUIPMENT, INVESTMENT AND BUSINESS OVERHEAD COSTS
GLENN, BUTTE & TEHAMA COUNTIES

ANNUAL EQUIPMENT COSTS

Yr	Description	Price	- Non-Cash Over. -			- Cash Overhead -		Total
			Yrs Life	Depre- ciation	Interest	Insur- ance	Taxes	
90	100hp 2wd tractor	51700	10	4653.00	3426.42	142.18	284.35	8505.95
90	120hp 2wd tractor	57000	10	5130.00	3777.67	156.75	313.50	9377.92
90	200hp 4wd tractor	100500	10	9045.00	6660.64	276.37	552.75	16534.76
90	270 hp crawler	148500	10	13365.00	9841.84	408.38	816.75	24431.97
90	ATV & sprayer	3400	5	612.00	225.34	9.35	18.70	865.39
90	Bed shaper, 6 row	3850	15	231.00	255.16	10.59	21.18	517.93
90	Chisel MD 16'	7500	15	450.00	497.06	20.63	41.25	1008.94
90	Cultivator sled 15	4000	15	240.00	265.10	11.00	22.00	538.10
90	Cultivator, field 32'	10500	15	630.00	695.89	28.88	57.75	1412.52
90	Cultivator, rolling	6500	15	390.00	430.79	17.88	35.75	874.42
90	Disc offset 21'	26500	15	1590.00	1756.29	72.88	145.75	3564.92
90	Disc stbl 16'	20000	15	1200.00	1325.50	55.00	110.00	2690.50
90	Ditcher, 5ft	11200	20	504.00	742.28	30.80	61.60	1338.68
90	Pickup, new	22000	7	2828.57	1458.05	60.50	121.00	4468.12
90	Pickup, used	8500	5	1530.00	563.34	23.38	46.75	2163.47
90	Planter sled 6 row	24400	10	2196.00	1617.11	67.10	134.20	4014.41
90	Saddle tank, #1	1500	10	135.00	99.41	4.13	8.25	246.79
90	Saddle tank, #2	1500	10	135.00	99.41	4.13	8.25	246.79
90	Scaper, 3pt. 10'	2450	15	147.00	162.37	6.74	13.47	329.58
90	Spray boom, 25' #1	3500	10	315.00	231.96	9.63	19.25	575.84
90	Subsoiler, 7 shank	10000	15	600.00	662.75	27.50	55.00	1345.25
90	Triplane, 16'	22500	15	1350.00	1491.19	61.88	123.75	3026.82
TOTAL		547500		47276.57	36285.57	1505.68	3011.25	88079.07
60% of New Cost *		328500		28365.94	21771.34	903.41	1806.75	52847.44

* Used to reflect a mix of new and used equipment.

ANNUAL INVESTMENT COSTS

Yr	Description	Price	- Non-Cash Over. -			- Cash Overhead -		Repairs	Total
			Yrs Life	Depre- ciation	Interest	Insur- ance	Taxes		
INVESTMENT									
	Bait applicator	3500	10	315.00	231.96	9.63	19.25	50.00	625.84
	Fuel tanks & pumps	8050	20	402.50	485.01	20.13	40.25	125.00	1072.89
	Shop Building	37000	20	1850.00	2229.25	92.50	185.00	250.00	4606.75
	Shop tools	10000	15	600.00	662.75	27.50	55.00	100.00	1445.25
	Storage building	7500	20	375.00	451.88	18.75	37.50	100.00	983.13
TOTAL INVESTMENT		66050		3542.50	4060.85	168.51	337.00	625.00	8733.86

U.C. COOPERATIVE EXTENSION
Table 3. continued

ANNUAL BUSINESS OVERHEAD COSTS

Description	Units/ Farm	Unit	Price/ Unit	Total Cost
Landowner share	250.00	acre	161.00	40250.00
Office expense	1500.00	acre	30.00	45000.00

Table 4.

U.C. COOPERATIVE EXTENSION
HOURLY EQUIPMENT COSTS
GLENN, BUTTE & TEHAMA COUNTIES

Yr Description	Actual Hours Used	COSTS PER HOUR							Total Costs/Hr.
		-Non-Cash Over-Depre- ciation	- Over- Interest	- Cash Overhead - Insur- ance	- Taxes	- Repairs	- Operating Fuel & Lube	- Total Oper.	
90 100hp 2wd tractor	1332.4	2.10	1.54	0.06	0.13	3.10	4.46	7.56	11.39
90 120hp 2wd tractor	1274.1	2.42	1.78	0.07	0.15	3.42	6.33	9.75	14.17
90 200hp 4wd tractor	1311.2	4.14	3.05	0.13	0.25	5.03	10.55	15.58	23.14
90 270 hp crawler	1306.8	6.14	4.52	0.19	0.38	7.43	13.97	21.40	32.62
90 ATV & sprayer	535.7	0.69	0.25	0.01	0.02	0.82	1.15	1.97	2.94
90 Bed shaper, 6 row	166.0	0.83	0.92	0.04	0.08	1.10	0.00	1.10	2.98
90 Chisel MD 16'	166.0	1.63	1.80	0.07	0.15	2.15	0.00	2.15	5.80
90 Cultivator sled 15	165.5	0.87	0.96	0.04	0.08	1.15	0.00	1.15	3.10
90 Cultivator, field 32'	205.0	1.84	2.04	0.08	0.17	3.02	0.00	3.02	7.15
90 Cultivator, rolling	166.0	1.41	1.56	0.06	0.13	1.87	0.00	1.87	5.03
90 Disc offset 21'	166.0	5.75	6.35	0.26	0.53	7.61	0.00	7.61	20.50
90 Disc stbl 16'	166.0	4.34	4.79	0.20	0.40	5.74	0.00	5.74	15.47
90 Ditcher, 5ft	145.0	2.09	3.07	0.13	0.25	3.22	0.00	3.22	8.76
90 Pickup, new	284.4	5.97	3.08	0.13	0.26	4.00	2.30	6.30	15.72
90 Pickup, used	199.4	4.60	1.69	0.07	0.14	1.17	2.30	3.47	9.98
90 Planter sled, 6 row	119.5	11.03	8.12	0.34	0.67	12.24	0.00	12.24	32.40
90 Saddle tank, #1	120.0	0.68	0.50	0.02	0.04	0.75	0.00	0.75	1.98
90 Saddle tank, #2	125.0	0.65	0.48	0.02	0.04	0.75	0.00	0.75	1.93
90 Scraper, 3pt. 10'	181.0	0.49	0.54	0.02	0.04	0.70	0.00	0.70	1.79
90 Spray boom, 25' #1	119.5	1.58	1.16	0.05	0.10	1.76	0.00	1.76	4.65
90 Subsoiler, 7 shank	166.0	2.17	2.40	0.10	0.20	2.87	0.00	2.87	7.74
90 Triplane, 16'	166.0	4.88	5.39	0.22	0.45	3.26	0.00	3.26	14.20

Table 5.

U.C. COOPERATIVE EXTENSION
RANGING ANALYSIS
GLENN, BUTTE & TENAMA COUNTIES

COSTS PER ACRE AT VARYING YIELDS TO PRODUCE SUGARBEETS @ 14% SUGAR

(DOLLARS PER TON)	YIELD (TON/ACRE)						
	20.0	22.5	25.0	27.5	30.0	32.5	35.0
OPERATING COSTS/ACRE:							
Cultural Cost	527	527	527	527	527	527	527
Harvest Cost	79	89	99	109	119	129	139
Interest on operating capital	37	37	37	37	37	37	37
TOTAL OPERATING COSTS/ACRE	643	653	663	673	683	693	703
TOTAL OPERATING COSTS/TON	32.17	29.03	26.53	24.48	22.77	21.32	20.08
CASH OVERHEAD COSTS/ACRE	162	178	194	210	226	242	258
TOTAL CASH COSTS/ACRE	805	831	857	883	909	935	961
TOTAL CASH COSTS/TON	40.26	36.94	34.29	32.12	30.31	28.78	27.46
NON-CASH OVERHEAD COSTS/ACRE	50	50	50	50	50	50	50
TOTAL COSTS/ACRE	855	881	907	933	959	985	1,011
TOTAL COSTS/TON	42.76	39.16	36.29	33.93	31.97	30.32	28.89

U.C. COOPERATIVE EXTENSION
RANGING ANALYSIS Table 5. continued

NET RETURNS PER ACRE ABOVE OPERATING COSTS FOR SUGARBEETS @ 14% SUGAR

PRICE (DOLLARS PER TON)	YIELD (TON/ACRE)						
	20.0	22.5	25.0	27.5	30.0	32.5	35.0
31.57	-12	57	126	195	264	333	402
32.97	16	89	161	234	306	379	451
34.37	44	120	196	272	348	424	500
35.77	72	152	231	311	390	470	549
37.17	100	183	266	349	432	515	598
38.57	128	215	301	388	474	561	647
39.97	156	246	336	426	516	606	696

NET RETURNS PER ACRE ABOVE CASH COSTS FOR SUGARBEETS @ 14% SUGAR

PRICE (DOLLARS PER TON)	YIELD (TON/ACRE)						
	20.0	22.5	25.0	27.5	30.0	32.5	35.0
31.57	-174	-121	-68	-15	38	91	144
32.97	-146	-89	-33	24	80	136	193
34.37	-118	-58	2	62	122	182	242
35.77	-90	-26	37	101	164	227	291
37.17	-62	5	72	139	206	273	340
38.57	-34	37	107	178	248	318	389
39.97	-6	68	142	216	290	364	438

NET RETURNS PER ACRE ABOVE TOTAL COSTS FOR SUGARBEETS @ 14% SUGAR

PRICE (DOLLARS PER TON)	YIELD (TON/ACRE)						
	20.0	22.5	25.0	27.5	30.0	32.5	35.0
31.57	-224	-171	-118	-65	-12	41	94
32.97	-196	-139	-83	-26	30	86	143
34.37	-168	-108	-48	12	72	132	192
35.77	-140	-76	-13	51	114	177	241
37.17	-112	-45	22	89	156	223	290
38.57	-84	-13	57	128	198	268	339
39.97	-56	18	92	166	240	314	388

Table 6.

U.C. COOPERATIVE EXTENSION
 COSTS AND RETURNS / BREAKEVEN ANALYSIS
 GLENN, BUTTE & TEHAMA COUNTIES

COSTS AND RETURNS - PER ACRE BASIS

Crop	1. Gross Returns	2. Operating Costs	3. Net Returns Above Oper. Costs (1-2)	4. Cash Costs	5. Net Returns Above Cash Costs (1-4)	6. Total Costs	7. Net Returns Above Total Costs (1-6)
Sugarbeet	894	663	231	857	37	908	-13

COSTS AND RETURNS - TOTAL ACREAGE

Crop	1. Gross Returns	2. Operating Costs	3. Net Returns Above Oper. Costs (1-2)	4. Cash Costs	5. Net Returns Above Cash Costs (1-4)	6. Total Costs	7. Net Returns Above Total Costs (1-6)
Sugarbeet	223563	165737	57825	214311	9252	226894	-3331
TOTAL	223563	165737	57825	214311	9252	226894	-3331

BREAKEVEN PRICES PER YIELD UNIT

CROP	Base Yield (Units/Acre)	Yield Units	----- Breakeven Price To Cover -----		
			Operating Costs	Cash Costs	Total Costs
			----- \$ per Yield Unit -----		
Sugarbeet	25.0	ton	26.52	34.29	36.30

BREAKEVEN YIELDS PER ACRE

CROP	Yield Units	Base Price (\$/Unit)	----- Breakeven Yield To Cover -----		
			Operating Costs	Cash Costs	Total Costs
			----- Yield Units / Acre -----		
Sugarbeet	ton	35.77	18.5	24.0	25.4