

SAMPLE COST TO PRODUCE SUGARBEETS

CROP.....	SUGARBEETS-flatplanted	GROSS INCOME PER ACRE.....	\$858.00
YIELD/ACRE IN TONS.	26	TOTAL CASH COST/ACRE.....	890.63
MARKET VALUE/TON...	\$33.00 @ 15% sugar	NET LOSS/ACRE.....	- 32.63

<u>CULTURAL COSTS: FUEL & SEED</u>	<u>COST/A</u>	<u>COST/A</u> <u>LABOR</u>	<u>YOUR</u> <u>COST/A</u>
Chop Corn Stubble	0.28	1.42	_____
Disc 2x	1.08	1.66	_____
Plow	1.00	1.25	_____
Chisel 1x - flatroll	0.80	1.00	_____
Disc 2x	1.08	1.66	_____
Float ringroll 3x	1.62	2.49	_____
Plant	0.40	2.00	_____
Preemerg. herb. (Nortron) app.	0.20	0.64	_____
Postemerg. herb. Betamix app.	0.20	0.64	_____
Postemerg. herb. Poast app.	0.20	0.64	_____
Cultivate 4x/side dress nitrogen	0.40	1.00	_____
Pickups	<u>3.14</u>	_____	_____
TOTAL:	10.40	14.40*	_____

<u>IRRIGATION - Sprinkler 8x</u>			
Pumping cost (diesel)(elect.)	35.00		_____
Reclamation	15.00		_____
Drain Maintenance	<u>2.50</u>		_____
TOTAL:	52.50		_____

* Included in labor budget

<u>CHEMICALS/SEED</u>	<u>PEST/FERT COST/A</u>	<u>APPLICATION COST/A</u>	<u>YOUR COST/A</u>
Herbicides			
Antor preemergence	7.55		_____
Betamix postemergence broadleaf	12.65		_____
Poast+oil postemergence grass 1.5 pts/A	7.24		_____
Insecticides			
Lorsban 1 1/2pt worms	7.37	5.50	_____
Sevin bait 40#	22.00	5.50	_____
Dusting sulfur 25#/A 4x mildew	11.67	22.00	_____
Temik 7#/A aphids with seed @ planting	20.00		_____
Seed, Hybrid 1.5 #/A	18.00		_____
Side dress Nitrogen 100#	19.00		_____
20 gal 8-24-6	<u>15.30</u>		_____
TOTAL:	140.78	33.00	_____

<u>HARVEST</u>	<u>COST/A</u>	
Top & Dig \$2.50/t	65.00	_____
Hauling \$4/t	<u>104.00</u>	_____
TOTAL:	169.00	_____

<u>LABOR</u>		
Cultural (\$5/hr)	14.40	_____
Irrigation (\$4/hr)	61.44	_____
Hand hoeing & thin	83.00	_____
Shop mechanic	10.00	_____
Overtime	<u>2.21</u>	_____
TOTAL:	171.05	_____

<u>CASH OVERHEAD</u>		
Share rent 15%	128.70	_____
Manager Salary + benefits	21.73	_____
Repairs & maintenance	54.25	_____
Employee benefits	51.31	_____
Office expense	10.86	_____
Taxes on equipment	2.57	_____
Insurance	<u>5.00</u>	_____
TOTAL:	274.42	_____

DEBT SERVICE

COST/A

YOUR
COST/A

Interest on loan @ 13% 4.50

Equipment 35.00

TOTAL: 39.50

TOTAL GROSS INCOME: \$858.00

TOTAL CASH COSTS: 890.63

NET LOSS: \$-32.63

1986 SAMPLE COSTS TO PRODUCE SUGARBEETS

SOIL REQUIREMENTS - Deep, fertile, well-drained soil of organic or mineral type. Texture can range from sandy loam to clay. Avoid hardpan and claypan.

PLANTING DATES - February, March, April; during May in over-wintered areas.

VARIETIES - Plant disease-resistant hybrids furnished by contracting sugar company.

SEEDING RATES - For mechanical thinning, plant 2 inches apart. Thin mechanically 100 to 150 plants per 100 feet of row, not more than 20% doubles of three or more plants. For synchronous thinner plant 2.75 inches apart. Final stand should equal 6 to 7 inches between plants.

WEED CONTROL - Roneet or Tillam are available for preplant weed control. Do not use prior to March 1. Poor control results under cool conditions. Betamix is available for control of broadleaf weed species. Nortron has given good control when used in combination with Betamix, post-emergence. Nortron can also be used pre-emergence. Good results have been obtained with the combination of Nortron and Pyramin pre-emergence under fall applications. Antor has given excellent results when applied pre-emergence in the spring. Poast can be used post-emergence for control of escaped grasses. Poast is not effective on annual bluegrass. Herbicide 273 applied post-emergence will give good control of smartweed.

FERTILIZER - 100 to 200 lbs/ac nitrogen preplant, 25 to 30 gallons 6-24-6 under the seed at planting. Plants should run out of nitrogen 30 days prior to harvest.

IRRIGATION - 2.5 to 3.5 acre feet needed. On peat, sprinkler or sub-irrigate or on mineral soils, sprinkle or furrow irrigation. Do not permit wilting.

ROTATION - Four years between beet crops for good soil management, and to control sugarbeet nematode, and sclerotium root rot. Five years has been suggested for control of cyst nematode.

SPECIAL PROBLEMS AND CONTROL MEASURES -

- Mildew: 40 lbs/ac sulfur when mildew first appears.
- Salts: Irrigate every other row or plant on slanted beds.
- Yellows: Beet free periods plus elimination of carrier plants; control of green peach aphid; plant in May in over-wintered areas.
- Nematodes: Rotation first choice: fumigation second choice.
- Poor Stands: Maintain seedbed moisture, avoid severe wire worm and damping-off areas, use only treated seed.
- Inadequate Irrigation: Resulting in excessive wilting better management
- Late-emerging Weeds: Can reduce yield and cause harvest problems. Also, infest soil with weed seed. Hoe or use Betamex.
- Very Late Spring Harvest: Due to wet spring harvest problems, produces bolting and volunteer problems, and lower sugar yield.