



SUGAR BEETS

SAMPLE COST OF PRODUCTION
1989

YOLO COUNTY

UNIVERSITY OF CALIFORNIA
COOPERATIVE EXTENSION

UC Cooperative Extension

**SUGAR BEETS (22 TONS/ACRE - 14% SUGAR)
300 ACRES FOLLOWING WHEAT
SPRING PLANTING/FALL HARVEST**

CASH COSTS PER ACRE

HOURS/ ACRE	CASH COSTS PER ACRE				
	LABOR	TRACTOR	IMPLT.	MATERIAL	TOTAL
FALL GROUND PREPARATION:					

BALE STRAW (CUSTOM - NO CHARGE)				-	
STUBBLE DISC WITH ROLLER 1X	.22	1.55	3.95	-	8.49
SUBSOIL WITH ROLLER 1X	.40	2.82	7.18	-	13.71
TRIPLANE 2X	.34	2.39	5.02	-	9.12
LIST BEDS	.25	2.01	3.03	.58	5.62
WINTER WEED CONTROL 2X	.20	1.41	.80	.56	20.05
MOVE EQUIP. SET UP & SERVICE @ 10% OF LABOR COSTS	-	1.02	-	-	1.02
TOTAL GROUND PREP. COSTS:		<u>11.19</u>	<u>19.98</u>	<u>9.54</u>	<u>58.01</u>

PLANTING					

LILLISTON 2X	.20	1.41	1.24	-	4.46
HERBICIDE 1/3 AREA BANDED	.08	.56	.50	.22	38.42
INCORPORATE 2/3 AC.	.27	1.90	2.61	4.93	9.44
PLANT	.33	2.65	2.05	1.61	6.32
SEED 2 LBS./AC.	-	-	-	24.00	24.00
FERTILIZER 15 GALS.	-	-	-	27.85	27.85
RECUITIVATE 10% AC.	.03	.21	.19	.07	.47
REPLANT 10% AC. (SEED ONLY)	.03	.24	.19	.10	2.93
MOVE EQUIP. SET UP & SERVICE @20% OF LABOR COSTS	-	1.40	-	-	1.40
TOTAL PLANTING COSTS:		<u>8.37</u>	<u>6.78</u>	<u>8.74</u>	<u>115.28</u>

1989 SUGAR BEETS CONT.

CASH COSTS PER ACRE

	HOURS/ ACRE	CASH COSTS PER ACRE				TOTAL
		LABOR	TRACTOR	IMPLT.	MATERIAL	
GROWING:						
CULTIVATE	.33	2.65	2.05	1.00	-	5.71
CUTWORM BAIT (1/3 AC.) GROUND					2.10	2.10
FLAT ROLL	.12	.84	.75	.15	-	1.74
THIN (ELECTRONIC)	.33	2.32	2.05	5.37	-	9.75
HOE	10.00	57.00			-	57.00
FERTILIZE 90 LBS. N @ 20c/LB.	.33	2.32	3.19	1.14	18.00	24.65
LAYBY HERBICIDE	.25	1.76	1.56	2.63	4.59	10.53
ROLLING CULTIVATOR	.20	1.41	1.24	1.80	-	4.46
V DITCH, OPEN & CLOSE 3X	.15	1.21	2.22	1.40	-	4.82
IRRIGATE 7X	8.75	52.76	-	-	-	52.76
WATER 3.5 AC. FT.	-	-	-	-	54.55	54.55
MISC. (SHOVELS, DAMS)	-	-	-	-	2.50	2.50
INSECT & DISEASE CONTROL						
AIRPLANE 5X @ \$5.50	-	-	-	-	27.50	27.50
APHID CONTROL 2X	-	-	-	-	34.05	34.05
MILDEW 2X, SULFUR	-	-	-	-	14.08	14.08
WORM CONTROL 1X	-	-	-	-	10.71	10.71
MOVE EQUIP. SET UP & SERVICE @15% OF LABOR COST(-HOE, IRRIG.)	-	1.88	-	-	-	1.88
TOTAL GROWING COSTS:		<u>124.16</u>	<u>13.06</u>	<u>13.49</u>	<u>168.08</u>	<u>318.78</u>
MISCELLANEOUS COSTS:						
PICKUP & TRUCK USE	-	-	-	-	5.35	5.35
SUPERVISORS' SALARIES, ACCOUNTING OFFICE EXPENSE	-	-	-	-	49.40	49.40
BUILDING (TAXES, INS., REPAIRS)	-	-	-	-	.97	.97
MISC. EQUIP. USE	-	1.64	1.40	3.95	-	6.99
PRODUCTION LOAN INTEREST COST	-	-	-	-	35.15	35.15
EQUIPMENT LOAN INTEREST COST	-	-	-	-	9.30	9.30
CROP INSURANCE, ALL ACRES	-	-	-	-	27.48	27.48
TOTAL MISCELLANEOUS COSTS:		<u>1.64</u>	<u>1.40</u>	<u>3.95</u>	<u>127.66</u>	<u>134.65</u>
TOTAL PRE-HARVEST CASH COSTS:					\$	626.72

TOTALS
96.80
-18.15

1989 SUGAR BEETS CONT.
CUSTOM HARVEST COST: (DIG @ \$2.00/TON; HAUL @ \$1.50 + MILEAGE)
HAULING ALLOWANCE: (MILEAGE)

TOTAL HARVEST COSTS:		78.65
LANDOWNER SHARE (16% X 22 TONS @ \$35/TON)	\$	123.20
TOTAL CASH COSTS:	\$	828.57

INVESTMENT COSTS: BUILDING (interest & depreciation)		5.69
TRACTORS & IMPLTS. (int. & deprec.)		36.11
TOTAL INVESTMENT COSTS:	\$	41.80
TOTAL ALL COSTS/ACRE:	\$	870.37

COST PER TON @ 22 TONS/ACRE:	\$	39.56

COST SUMMARY:	CASH	NON-CASH	TOTAL

COST PER ACRE (22 Ton yield, 14% sugar)			
GROWING	626.72	41.80	668.52
HARVEST	78.65	-	78.65
LANDOWNER	123.20	-	123.20
TOTAL:	\$ 828.57	41.80	870.37

MANAGEMENT FEE: (5% of gross income, 22 tons x \$3/ton) ----- **38.50**
 (usual charge for management, not included as a cost in this study)

COST PER TON AT VARYING YIELDS AND SHARE RENTALS

CROP YIELD	Crop Share Rental in Percent		
	20%	16%	12%
18 TONS	47.71	46.31	44.91
22 TONS	40.96	39.56	38.16
26 TONS	36.29	34.89	33.49