

TITLE: SAMPLE COST TO PRODUCE SUGAR BEETS
GLENN - BUTTE - TEHAMA COUNTIES
1979 PRODUCTION COSTS

SG-SV-80

Sugar Beets #150

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
GROSS RECEIPTS FROM PRODUCTION:					
SUGAR BEETS	TON	25.000	25.000	625.00	
TOTAL RECEIPTS:				\$ 625.00	
2. VARIABLE COSTS:					
PREHARVEST:					
FERTILIZER APP	ACRE	1.650	1.000	1.65	
NITROGEN	LBS.	0.157	100.000	15.75	
N - P - O	LBS.	0.105	147.000	15.44	
SUGAR BEET SEED	LBS.	1.000	8.710	8.71	
PRE-MERGE HERB	ACRE	6.670	1.000	6.67	
EARLY POST-EMERG	ACRE	11.000	1.000	11.00	
CUT WORM BAIT	ACRE	11.040	1.000	11.04	
GRASS KILLER	ACRE	5.720	1.000	5.72	
PWDRY MILDEW CTL	ACRE	2.740	3.000	8.22	
AERIAL SPRAYING	ACRE	4.000	3.000	12.00	
HAND HOEING	ACRE	35.000	1.000	35.00	
THINNING	ACRE	40.000	1.000	40.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			30.77	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			15.87	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.61	
IRRIGATION (POWER-LUBE-REP)	ACIN	0.577	48.000	27.70	
MACHINERY LABOR	HOUR	5.500	4.194	23.07	
IRRIGATION LABOR	HOUR	5.000	6.300	31.50	
INTEREST ON OPERATING CAP.	DOL.	0.140	151.531	20.60	
TOTAL PREHARVEST COSTS:				\$ 321.30	
PREHARVEST COST PER TON				\$ 12.8521	
HARVEST:					
DIGGING	ACRE	37.500	1.000	37.50	
CUSTOM HAULING	ACRE	31.500	1.000	31.50	
INTEREST ON OPERATING CAP.	DOL.	0.140	3.852	0.54	
TOTAL HARVEST COSTS:				\$ 69.54	
HARVEST COST PER TON				\$ 2.7816	
TOTAL VARIABLE COSTS:				\$ 390.84	
VARIABLE COST PER TON				\$ 15.6337	
3. INCOME ABOVE VARIABLE COSTS:				\$ 234.16	
INCOME PER TON				\$ 9.3663	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				0.73	
SHARE RENT:				125.00	
MANAGEMENT (5.00% OF GROSS RECEIPTS)				31.25	
TOTAL CASH OVERHEAD:				\$ 156.98	
OVERHEAD COST PER TON				6.2791	
5. INCOME ABOVE ALL CASH COSTS:				\$ 77.18	
INCOME PER TON				\$ 3.0872	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			13.49	
BUILDINGS	ACRE			2.21	
TOTAL DEPRECIATION:				\$ 15.71	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.140	83.983	11.76	
BUILDINGS		0.107	41.618	4.44	
TOTAL INTEREST CHARGE:				\$ 16.20	
TOTAL FIXED COSTS:				\$ 31.90	
FIXED COST PER TON				1.2762	
7. TOTAL OF ABOVE COSTS:				\$ 579.72	
TOTAL COST PER TON				23.1890	
8. NET RETURNS:				\$ 45.28	
NET RETURNS PER TON				1.8110	

TENANT - LANDOWNER 13 ACRES YIELD 25 TONS PER ACRE
250 ACRES FURROW IRRIGATED

UPDATED 08/16/79

UC Cooperative Extension

BUDGET IDENTIFICATION NUMBER 2321100000-562 1
DATE PRINTED: 06/18/80

BUDGET RECORD NUMBER 150
HARVEST MONTH 10

INCOME ABOVE VARIABLE COSTS
WHEN THE PRICE OF SUGAR BEETS
AND THE QUANTITY OF SUGAR BEETS

RANGES FROM
RANGES FROM

22.50 TO
20.00 TO

27.50
30.00

PRICE OF SUGAR BEETS

22.50 23.75 25.00 26.25 27.50

QUANTITY OF
SUGAR BEETS

	22.50	23.75	25.00	26.25	27.50
20.00 *	59.16	84.16	109.16	134.16	159.16
* *					
22.50 *	115.41	143.53	171.66	199.78	227.91
* *					
25.00 *	171.66	202.91	234.16	265.41	296.66
* *					
27.50 *	227.91	262.28	296.66	331.03	365.41
* *					
30.00 *	284.16	321.66	359.16	396.66	434.16
* *					

INCOME ABOVE ALL CASH COSTS
WHEN THE PRICE OF SUGAR BEETS
AND THE QUANTITY OF SUGAR BEETS

RANGES FROM
RANGES FROM

22.50 TO
20.00 TO

27.50
30.00

PRICE OF SUGAR BEETS

22.50 23.75 25.00 26.25 27.50

QUANTITY OF
SUGAR BEETS

	22.50	23.75	25.00	26.25	27.50
20.00 *	-97.82	-72.82	-47.82	-22.82	2.18
* *					
22.50 *	-41.57	-13.44	14.68	42.81	70.93
* *					
25.00 *	14.68	45.93	77.18	108.43	139.68
* *					
27.50 *	70.93	105.31	139.68	174.06	208.43
* *					
30.00 *	127.18	164.68	202.18	239.68	277.18
* *					

INCOME ABOVE ALL COSTS
WHEN THE PRICE OF SUGAR BEETS
AND THE QUANTITY OF SUGAR BEETS

RANGES FROM
RANGES FROM

22.50 TO
20.00 TO

27.50
30.00

PRICE OF SUGAR BEETS

22.50 23.75 25.00 26.25 27.50

QUANTITY OF
SUGAR BEETS

	22.50	23.75	25.00	26.25	27.50
20.00 *	-129.72	-104.72	-79.72	-54.72	-29.72
* *					
22.50 *	-73.47	-45.35	-17.22	10.90	39.03
* *					
25.00 *	-17.22	14.03	45.28	76.53	107.78
* *					
27.50 *	39.03	73.40	107.78	142.15	176.53
* *					
30.00 *	95.28	132.78	170.28	207.78	245.28
* *					

BUDGET RECORD NUMBER 150
TENANT - LANDOWNER 13 ACRES
250 ACRES FURROW IRRIGATED

YIELD 25 TONS PER ACRE

UPDATED 08/16/79

UC Cooperative Extension

FUEL USE SUMMARY FOR BUDGET NUMBER 2325700000 692 1

COSTS & RETURNS OF PRODUCING SUGAR BEETS
 YOLO COUNTY, WOODLAND AREA - 1979
 240 ACRES IN A 2640 ACRE ENTERPRISE

FUEL USED IN GALLONS PER HOUR

TRACTOR 75 HP	3.600
TRACTOR 105 HP	5.040
TRACTOR 135 HP	6.480
CRAWLER 120 HP	6.720
SEMI TRUCK, DIES	6.250
PICKUP 1/2 TON	4.000
IRR PUMP 125 HP*	0.461

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 1/2 TON	0.073	
IRR PUMP 125 HP*	0.154	
MB PLOW 4-16	2.989	CRAWLER 120 HP
4 WH PLANE 12X45	1.729	TRACTOR 135 HP
CHISEL	1.993	CRAWLER 120 HP
DISC OFFSET HDTY	0.963	CRAWLER 120 HP
SPRINGTOOTH	0.766	TRACTOR 135 HP
SPIKE HARROW	1.012	TRACTOR 135 HP
LISTER 6 ROW	1.231	TRACTOR 135 HP
PLANTER 6ROW	2.742	TRACTOR 135 HP
CULTIVATOR 6 ROW	1.142	TRACTOR 105 HP
THINNER 6 ROW	1.142	TRACTOR 105 HP
THINNER 6 ROW	1.142	TRACTOR 105 HP
FURROWER 6SHOVEL	1.840	TRACTOR 105 HP
GANDY APPLICATOR	1.031	TRACTOR 75 HP
LILLISTON CULT.	1.224	TRACTOR 75 HP
SADDLE TANKS	1.231	TRACTOR 135 HP
DITCHER	0.296	CRAWLER 120 HP
IMPLNT CARRIER	0.280	SEMI TRUCK, DIES
GANDY APPLICATOR	1.856	TRACTOR 135 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
MB PLOW 4-16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.989	0.000	0.000	2.989	3
4 WH PLANE 12X45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.457	0.000	0.000	3.457	3
CHISEL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.993	0.000	0.000	1.993	3
DISC OFFSET HDTY	0.000	0.000	0.963	0.963	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.925	3
SPRINGTOOTH	0.000	0.000	0.000	0.000	0.766	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.766	3
SPIKE HARROW	0.000	0.000	0.000	0.000	1.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.012	3
LISTER 6 ROW	0.000	0.000	0.000	0.000	1.231	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.231	3
PLANTER 6ROW	0.000	0.000	0.000	0.000	2.742	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.742	3
CULTIVATOR 6 ROW	0.000	0.000	0.000	0.000	0.000	1.142	0.000	0.000	0.000	0.000	0.000	0.000	1.142	3
THINNER 6 ROW	0.000	0.000	0.000	0.000	0.000	1.142	0.000	0.000	0.000	0.000	0.000	0.000	1.142	3
THINNER 6 ROW	0.000	0.000	0.000	0.000	0.000	1.142	0.000	0.000	0.000	0.000	0.000	0.000	1.142	3
FURROWER 6SHOVEL	0.000	0.000	0.000	0.000	0.000	1.840	1.840	0.000	0.000	0.000	0.000	0.000	3.679	3
GANDY APPLICATOR	0.000	0.000	0.000	0.000	0.000	1.031	0.000	0.000	0.000	0.000	0.000	0.000	1.031	3
LILLISTON CULT.	0.000	0.000	0.000	0.000	0.000	0.000	1.224	0.000	0.000	0.000	0.000	0.000	1.224	3
SADDLE TANKS	0.000	0.000	0.000	0.000	2.462	1.231	1.231	0.000	0.000	0.000	0.000	0.000	4.924	3
DITCHER	0.000	0.000	0.000	0.000	0.296	0.296	0.296	0.296	0.000	0.000	0.000	0.000	1.183	3
IMPLNT CARRIER	0.000	0.000	0.280	0.280	0.840	0.560	0.280	0.280	0.000	0.840	0.000	0.000	3.361	3
PICKUP 1/2 TON	0.000	0.000	0.073	0.073	0.218	0.073	0.073	0.073	0.000	0.073	0.000	0.000	0.655	1
GANDY APPLICATOR	0.000	0.000	0.000	0.000	1.856	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.856	3
TOTALS	0.000	0.000	1.315	1.315	11.422	8.456	4.943	0.648	0.000	9.352	0.000	0.000	37.453	

GALLONS FUEL BY TYPE

0.65 GAS
 .00 LP
 1.80 DIESEL

FUEL TYPES

1=GAS
 2=L.P.
 3=DIESEL