

TITLE: COST OF PRODUCTION AND RETURNS
FOR SUGAR BEETS IN RIVERSIDE COUNTY,

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
SUGAR BEETS	TON	24,000	27,000	\$ 648.00	
TOTAL RECEIPTS:				\$ 648.00	
2. VARIABLE COSTS:					
PREHARVEST:					
SUGAR BEET SEED	LBS.	0.700	6,500	4.55	
NITROGEN	LBS.	0.200	80,000	16.00	
SIDE DRESS FERT	LBS.	0.200	125,000	25.00	
IRRIG DIST WATER	ACIN	4.170	48,000	200.16	
HERBICIDE APP	ACRE	45.000	1,000	45.00	
INSECTICIDE APP	ACRE	28.000	1,000	28.00	
HAND HOEING	HOOR	3.750	8,000	30.00	
PLANTING LABOR	HOOR	3.750	9,000	33.75	
TRACTOR (FUEL=LUBE=REPAIRS)	ACRE			6.03	
EQUIPMENT (FUEL=LUBE=REPAIRS)	ACRE			6.16	
BUILDINGS (FUEL=LUBE=REPAIRS)	ACRE			0.14	
IRRIGATION POWER COST	ACRE			22.71	
IRRIGATION (LUBE=REPAIRS)	ACRE			4.60	
IRRIGATION WATER APPLIED	ACIN	0.569	48,000	27.31	
MACHINERY LABOR	HOOR	5.100	3,411	17.40	
IRRIGATION LABOR	HOOR	4.250	50,000	212.50	
INTEREST ON OPERATING CAP.	DOL.	0.086	259,598	22.40	
TOTAL PREHARVEST COSTS:				\$ 659.40	
PREHARVEST COST PER TON				\$ 24.42	
HARVEST:					
HARVEST & HAUL	TON	3.000	27,000	81.00	
INTEREST ON OPERATING CAP.	DOL.	0.086	60,750	5.24	
TOTAL HARVEST COSTS:				\$ 86.24	
HARVEST COST PER TON				\$ 3.19	
TOTAL VARIABLE COSTS:				\$ 745.64	
VARIABLE COST PER TON				\$ 27.62	
3. INCOME ABOVE VARIABLE COSTS:				\$ 97.64	
INCOME PER TON				\$ 3.62	
4. CASH OVERHEAD (PROPERTY TAX & INSURANCE + 2.5% OF TOTAL VARIABLE COSTS)					\$ 26.97
BUILDINGS:				\$ 2.10	
TOTAL CASH OVERHEAD:				\$ 29.07	
5. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			4.17	
BUILDINGS:	ACRE			4.90	
TOTAL DEPRECIATION:				\$ 9.07	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.086	31,152	2.69	
BUILDINGS:		0.086	68,250	5.89	
TOTAL INTEREST CHARGE:				\$ 8.58	
TOTAL FIXED COSTS:				\$ 46.72	
FIXED COST PER TON				\$ 1.73	
NET INCOME ABOVE FIXED & VARIABLE COSTS:				\$ 144.36	
NET INCOME PER TON				\$ 5.35	
6. MANAGEMENT CHARGE (5.0% OF GROSS RECEIPTS)				\$ 32.40	
7. LAND CHARGE (CASH RENT):				\$ 50.00	
8. TOTAL OF ABOVE COSTS:				\$ 874.76	
TOTAL COST PER TON				\$ 32.40	
9. NET RETURNS:				\$ 226.76	
NET RETURNS PER TON				\$ 8.40	

FOOTNOTE: BASED ON A 100 ACRE FIELD
USING A COMBINED SPRINKLER AND FURROW
IRRIGATION.

BUDGET IDENTIFICATION: ENTERPRISE 232 COUNTY 33 MISCL 00 IRRIGATION LEVEL 7 LAND CLASS 3
INDIV. # 0 MACH. COMP. 3 IRIG. SYSTEM 9 PRICE YEAR 2 EQUIP. COMP 1
DATE PRINTED: 06/30/78 ANNUAL CAPITAL MONTH: 5

06/30/78

COST OF PRODUCTION AND RETURNS
FOR SUGAR BEETS IN RIVERSIDE COUNTY,

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES														
CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	648.00	0.00	0.00	0.00	0.00	648.00
OPERATING EXPENSES														
SUGAR BEET SEED	\$/AC	0.00	0.00	4.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.53
NITROGEN	\$/AC	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
SIDE DRESS FERT	\$/AC	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
IRRIG DIST WATER	\$/AC	0.00	0.00	30.02	30.02	40.03	40.03	40.03	20.02	0.00	0.00	0.00	0.00	200.16
HERBICIDE APP	\$/AC	0.00	0.00	0.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00
INSECTICIDE APP	\$/AC	0.00	0.00	0.00	0.00	14.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00
HAND HOEING	\$/AC	0.00	0.00	0.00	15.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00
HARVEST & HAUL	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00	0.00	0.00	0.00	0.00	81.00
PLANTING LABOR	\$/AC	0.00	0.00	18.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.75
MACHINE LABOR COST	\$/AC	0.56	0.56	5.56	4.37	2.46	0.56	0.56	0.56	0.56	0.56	0.56	0.56	17.40
INTEREST ON OPER. CAP.	\$/AC	0.03	0.02	1.65	1.14	0.76	9.33	6.39	8.15	0.05	0.05	0.04	0.03	27.65
TRACTOR COST	\$/AC	0.00	0.00	2.81	2.15	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.03
EQUIPMENT COST	\$/AC	0.35	0.35	1.17	1.12	0.74	0.35	0.35	0.35	0.35	0.35	0.35	0.35	6.16
BLDG OPER. COST	\$/AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.14
IRRIGATION COST	\$/AC	0.00	0.00	4.10	4.10	5.46	5.46	5.46	2.73	0.00	0.00	0.00	0.00	27.31
IRRIG LABOR COST	\$/AC	0.00	0.00	31.88	31.88	42.50	42.50	42.50	21.25	0.00	0.00	0.00	0.00	212.50
TOTAL EXPENSES	\$/AC	0.94	0.94	116.49	159.79	107.04	127.24	95.30	134.06	0.97	0.96	0.96	0.95	745.64

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.11	0.11	1.09	0.86	0.48	0.11	0.11	0.11	0.11	0.11	0.11	0.11	3.41
IRRIGATION LABOR	HR/AC	0.00	0.00	7.50	7.50	10.00	10.00	10.00	5.00	0.00	0.00	0.00	0.00	50.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	7.20	7.20	9.60	9.60	9.60	4.80	0.00	0.00	0.00	0.00	48.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE														
MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANNUAL FIXED COST PER ACRE	TAX			TOTAL	VARIABLE COST PER ACRE				HRS PER ACRE
						DEPR.	INTER.	\$INS		FUEL	LUBE	REPAIRS	TOTAL	
TRACTOR 60 HP	3	60.0	13600.	12.	1000.	1.624	1.402	0.536	3.562	2.932	0.380	3.119	6.030	1.911
PICKUP 3/4 T	15	0.8	8500.	3.	1350.	1.337	0.420	0.150	1.907	2.531	0.380	1.267	4.177	1.091
IRR PUMP 125 HP	23	3.0	15788.	25.	2133.	6.505	8.314	3.443	18.262	22.711	0.341	1.913	24.965	24.000
CULTIVATOR 4 RDW	52	10.0	2200.	13.	190.	0.724	0.520	0.211	1.455	0.000	0.023	1.160	1.162	0.927
DISK OFFSET	58	10.0	2800.	12.	213.	0.292	0.200	0.081	0.573	0.000	0.010	0.308	0.518	0.313
FURROWER 4SHOVEL	91	6.5	1000.	15.	160.	0.187	0.147	0.081	0.395	0.000	0.006	0.295	0.300	0.498
FURROW IRRIG SYS	132	2.0	38250.	10.	5000.	12.937	10.252	3.849	27.048	0.000	0.046	2.301	2.347	24.000
TOTAL			82138.			23.61	21.26	8.33	53.20	27.77	1.18	10.54	39.50	