

TITLE: COSTS FOR PRODUCING SORGHUM GRAIN
 IN SAN JOAQUIN COUNTY
 YIELD 60 CWT/ACRE

#147

SR-VN-78

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
SORGHUM GRAIN	CWT.	4.200	60.000	252.00	
TOTAL RECEIPTS:				\$ 252.00	
2. VARIABLE COSTS:					
PREHARVEST:					
FERTILIZER APP	ACRE	1.500	1.000	1.50	
NITROGEN	LBS.	0.200	125.000	25.00	
GR SORGHUM SEED	LBS.	0.570	15.000	8.55	
BROAD LEAF HERB	OZ.	0.180	12.000	2.16	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			14.53	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			4.79	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.13	
IRRIGATION POWER COST	ACRE			23.05	
IRRIGATION (LUBE-REPAIRS)	ACRE			3.06	
IRRIGATION WATER APPLIED	ACR	0.870	30.000		
MACHINERY LABOR	HOUR	5.450	2.237	12.19	
IRRIGATION LABOR	HOUR	4.550	11.250	51.19	
INTEREST ON OPERATING CAP.	DOL.	0.119	48.396	5.56	
TOTAL PREHARVEST COSTS:				\$ 151.72	
PREHARVEST COST PER CWT.				\$ 2.53	
HARVEST:					
CUSTOM DRYING	CWT.	0.260	30.000	7.80	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			5.11	
MACHINERY LABOR	HOUR	5.450	0.597	3.25	
TOTAL HARVEST COSTS:				\$ 16.16	
HARVEST COST PER CWT.				\$ 0.27	
TOTAL VARIABLE COSTS:				\$ 167.88	
VARIABLE COST PER CWT.				\$ 2.80	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER CWT.				\$ 84.12	
				\$ 1.40	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				22.00	
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				4.20	
TOTAL CASH OVERHEAD:				\$ 26.20	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER CWT.				\$ 57.93	
				\$ 0.97	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			9.60	
IRRIGATION SYSTEM	ACRE			10.04	
BUILDINGS	ACRE			0.53	
TOTAL DEPRECIATION:				\$ 20.17	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.119	62.171	7.40	
IRRIGATION SYSTEM		0.119	103.270	12.29	
BUILDINGS		0.119	9.984	1.19	
LAND		0.100	1000.000	100.00	
TOTAL INTEREST CHARGE:				\$ 120.88	
TOTAL FIXED COSTS:				\$ 141.05	
FIXED COST PER CWT.				2.35	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER CWT.				\$ 335.12	
				5.59	
8. NET RETURNS:					
NET RETURNS PER CWT.				\$ -83.12	
				-1.39	

240 ACRES
 FURROW IRRIGATED

UC Cooperative Extension
 06/30/78

BUDGET IDENTIFICATION NUMBER 2293900520 562 1
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BUDGET RECORD NUMBER 147
 HARVEST MONTH: 10

COSTS FOR PRODUCING SORGHUM GRAIN
 IN SAN JOAQUIN COUNTY
 YIELD 60 CWT/ACRE

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	252.00	0.00	0.00	252.00
OPERATING EXPENSES														
FERTILIZER APP	\$/AC	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50
NITROGEN	\$/AC	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
6R SORGHUM SEED	\$/AC	0.00	0.00	0.00	0.00	8.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.55
BROAD LEAF HERB	\$/AC	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00	0.00	0.00	2.16
CUSTOM DRYING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.80	0.00	0.00	7.80
MACHINE LABOR COST	\$/AC	0.00	0.00	0.12	6.30	2.16	2.80	0.12	0.38	0.18	3.39	0.00	0.00	15.44
INTEREST ON OPER. CAP.	\$/AC	0.00	0.00	0.02	1.00	2.74	0.90	0.45	0.31	0.15	0.00	0.00	0.00	5.56
TRACTOR COST	\$/AC	0.00	0.00	0.00	8.96	2.71	2.57	0.00	0.29	0.00	0.00	0.00	0.00	14.53
EQUIPMENT COST	\$/AC	0.00	0.00	0.08	2.05	1.69	0.56	0.08	0.11	0.12	5.20	0.00	0.00	9.89
BLDG OPER. COST	\$/AC	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.15
IRRIGATION COST	\$/AC	0.00	0.00	0.00	0.00	5.22	5.22	5.22	5.22	5.22	0.00	0.00	0.00	26.10
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	0.00	10.24	10.24	10.24	10.24	10.24	0.00	0.00	0.00	51.19
TOTAL EXPENSES	\$/AC	0.00	0.00	0.23	18.33	59.82	24.46	16.12	16.57	15.92	16.42	0.00	0.00	167.88

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

	HR/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MACHINE LABOR	HR/AC	0.00	0.00	0.02	1.16	0.70	0.51	0.02	0.02	0.03	0.62	0.00	0.00	2.83
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.00	2.25	2.25	2.25	2.25	2.25	0.00	0.00	0.00	11.25
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	0.00	6.00	6.00	6.00	6.00	6.00	0.00	0.00	0.00	30.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANN HOURS USED	FIXED COST PER ACRE				VARIABLE COST PER ACRE				HRS PER ACRE
						DEPR.	INTER.	TAX & INS	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
TRACTOR 40 HP	1	40.0	9500.	5.	2800.	0.01	0.01	0.00	0.02	0.05	0.01	0.04	0.10	0.031
TRACTOR 75 HP	3	75.0	14500.	5.	2800.	0.10	0.08	0.01	0.19	0.35	0.05	0.33	0.74	0.176
TRACTOR 105 HP	5	105.0	27500.	5.	2800.	0.25	0.19	0.02	0.46	0.64	0.10	0.81	1.54	0.227
TRACTOR 135 HP	7	135.0	32000.	5.	2800.	0.64	0.50	0.06	1.20	1.84	0.28	2.10	4.22	0.507
CRAWLER 85 HP	10	85.0	55000.	7.	2500.	0.26	0.24	0.03	0.52	0.35	0.05	0.47	0.88	0.132
CRAWLER 120 HP	11	120.0	71000.	7.	2500.	1.98	1.84	0.22	4.04	2.96	0.44	3.66	7.06	0.788
TRUCK 2 TON	13	2.0	15000.	2.	2500.	0.34	0.12	0.01	0.47	1.00	0.15	0.58	1.73	0.222
PICKUP 1/2 TON	14	0.5	7500.	2.	2400.	0.13	0.04	0.00	0.18	0.46	0.07	0.17	0.70	0.158
IRR PUMP 75 HP*	22	2.0	11388.	25.	3200.	1.95	3.44	0.53	5.93	23.05	0.35	1.24	24.64	15.000
GRAIN COMBINE	25	16.0	41200.	7.	280.	4.09	3.11	0.40	7.61	1.16	0.17	2.04	3.37	0.275
CHISEL	42	12.0	3600.	3.	750.	0.25	0.11	0.01	0.37	0.00	0.01	0.50	0.51	0.270
CULTIVATOR 6 ROW	53	15.0	3360.	7.	390.	0.19	0.13	0.02	0.33	0.00	0.01	0.33	0.34	0.206
DISC OFFSET	60	14.0	4500.	7.	400.	0.53	0.38	0.05	0.96	0.00	0.02	1.20	1.22	0.446
LISTER 6 ROW	82	15.0	2000.	4.	755.	0.07	0.04	0.00	0.11	0.00	0.00	0.21	0.21	0.173
FURROWER 6SHOVEL	91	9.8	1500.	6.	450.	0.13	0.08	0.01	0.23	0.00	0.01	0.31	0.31	0.332
PTO SPRAYER	93	35.0	1700.	5.	500.	0.07	0.04	0.01	0.12	0.00	0.00	0.11	0.11	0.160
PLANTER 8ROW	110	20.0	4600.	9.	280.	0.42	0.34	0.05	0.81	0.00	0.03	1.27	1.29	0.288
FURROW IRIG SYS*	132	2.0	38250.	10.	5000.	8.09	8.84	1.15	18.08	0.00	0.03	1.44	1.47	15.000
DITCHER	138	25.0	2400.	18.	140.	0.11	0.13	0.02	0.26	0.00	0.00	0.08	0.08	0.120
IMPLAT CARRIER	150	5.0	3500.	9.	300.	0.03	0.02	0.00	0.06	0.00	0.00	0.01	0.01	0.029
FARM SHOP	2		3240.	35.		0.35	0.88	0.14	1.37	0.14		0.01	0.14	
SHOP TOOLS&EQUIP	4		945.	15.		0.18	0.30	0.04	0.53	0.00		0.01	0.01	

TOTAL INVESTMENT OR COST	354123.													
MACHINERY & EQUIPMENT	1476.													
INVESTMENT PER ACRE					20.17	20.88	2.79	43.84	31.99	1.78	16.91	50.68		

 240 ACRES
 FURROW IRRIGATED

06/30/78

UC Cooperative Extension

COSTS FOR PRODUCING SORGHUM GRAIN
 IN SAN JOAQUIN COUNTY
 YIELD 60 CWT/ACRE

COSTS AND RETURNS WILL BE
 DIVIDED BY 60.0 CWT.
 TO OBTAIN PER CWT. COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX
	NUMBER OF UNITS												RENT	CODE	CODE			
PRODUCTION																		
1 SORGHUM GRAIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	4.200	0.000	16.	29.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
														RENT	CODE	CODE		CODE
6 FERTILIZER APP	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.300	0.000	7.	356.	3.	0.
7 NITROGEN	0.00	0.00	0.00	0.00	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.200	0.000	12.	211.	3.	0.
8 BR SORGHUM SEED	0.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.570	0.000	12.	129.	3.	0.
9 BROAD LEAF HERB	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.180	0.000	17.	252.	3.	0.
10 CUSTOM DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.260	0.000	16.	312.	3.	9.
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												# CREW	POWER	MACH	TYPE	HARV	
													LABOR	UNIT	CODE		CODE	
26 DISC OFFSET	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	11.	60.	4.	0.
27 CHISEL	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	11.	42.	4.	0.
28 LISTER 6 ROW	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	7.	82.	4.	0.
29 DITCHER	0.00	0.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.000	0.000	10.	138.	4.	0.
30 PLANTER 8ROW	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	7.	110.	4.	0.
31 CULTIVATOR 6 ROW	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	5.	53.	4.	0.
32 FURROWER 6SHOVEL	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.	91.	4.	0.
33 PTO SPRAYER	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	93.	4.	0.
34 IMPLMT CARRIER	0.00	0.00	0.00	0.20	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	1.	150.	4.	0.
35 PICKUP 1/2 TON	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.50	1.20	0.00	0.00	0.000	0.000	0.	14.	4.	0.
36 GRAIN COMBINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.000	0.000	0.	25.	4.	9.
37 TRUCK 2 TON	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.000	0.000	0.	13.	4.	9.
													SHARE	SHARE	POWER	SYNS		
													FIXED %	VAR %	UNIT	CODE	LIFT	
4 SIN IRRIG WATER	0.00	0.00	0.00	0.00	6.00	6.00	6.00	6.00	6.00	0.00	0.00	0.00	0.00	0.00	22.	132.	140.	
5 TIMES IRRIG	0.00	0.00	0.00	0.00	1.50	1.50	1.50	1.50	1.50	0.00	0.00	0.00	0.00	0.00				

EQUIPMENT REQUIREMENTS

	NUMBER	PROPERT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
51 FARM SHOP	1.000	0.090	0.	2.	5.	0.
52 SHOP TOOLS&EQUIP	1.000	0.090	0.	4.	5.	0.

LAND REQUIREMENTS

	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE COST/ACRE
71	1.	240.00	1000.00	22.00	0.0 0.00

240 ACRES
 FURROW IRRIGATED

MACHINERY COMPLEMENT 5
 EQUIPMENT COMPLEMENT 1

06/30/78

NO NAME CHANGES HAVE BEEN STORED WITH THIS BUDGET

NO COMPLEMENT CHANGES HAVE BEEN STORED WITH THIS BUDGET

UC Cooperative Extension