

TITLE: COSTS TO PRODUCE GRAIN SORGHUM
IN TULARE COUNTY
YIELD OF 45 CWT/ACRE

SR-VS-78

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	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
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1. GROSS RECEIPTS FROM PRODUCTION:					
SORGHUM GRAIN	CWT.	4.230	50.000	211.50	
TOTAL RECEIPTS:				\$ 211.50	
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2. VARIABLE COSTS:					
PREHARVEST:					
GR SORGHUM SEED	LBS.	0.500	12.000	6.00	
NITROGEN	LBS.	0.200	175.000	35.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			18.85	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			6.21	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.07	
IRRIGATION (POWER-LUBE-REF)	ACIN	3.847	24.000	92.33	
MACHINERY LABOR	HOUR	5.990	1.734	10.38	
IRRIGATION LABOR	HOUR	5.000	9.000	45.00	
INTEREST ON OPERATING CAP.	DOL.	0.140	82.562	11.13	
TOTAL PREHARVEST COSTS:				\$ 224.97	
PREHARVEST COST PER CWT.				\$ 4.9993	
HARVEST:					
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			6.13	
MACHINERY LABOR	HOUR	5.990	0.654	3.92	
TOTAL HARVEST COSTS:				\$ 10.05	
HARVEST COST PER CWT.				\$ 0.2233	
TOTAL VARIABLE COSTS:				\$ 235.02	
VARIABLE COST PER CWT.				\$ 5.2226	
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3. INCOME ABOVE VARIABLE COSTS:				\$ -23.52	
INCOME PER CWT.				\$ -0.5226	
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CASH OVERHEAD:					
REAL PROPERTY TAXES:				13.80	
TOTAL CASH OVERHEAD:				\$ 13.80	
OVERHEAD COST PER CWT.				0.3067	
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5. INCOME ABOVE ALL CASH COSTS:				\$ -37.32	
INCOME PER CWT.				\$ -0.8292	
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6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			20.32	
IRRIGATION SYSTEM	ACRE			14.02	
BUILDINGS	ACRE			4.27	
TOTAL DEPRECIATION:				\$ 38.61	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.140	168.014	23.52	
IRRIGATION SYSTEM		0.140	163.541	22.90	
BUILDINGS		0.107	77.651	8.29	
LAND		0.107	1200.000	128.04	
TOTAL INTEREST CHARGE:				\$ 182.74	
TOTAL FIXED COSTS:				\$ 221.35	
FIXED COST PER CWT.				4.9189	
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7. TOTAL OF ABOVE COSTS:				\$ 470.17	
TOTAL COST PER CWT.				10.4482	
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8. NET RETURNS:				\$ -258.67	
NET RETURNS PER CWT.				-5.7482	

BASED ON 100 ACRES
SPRINKLER IRRIGATED

UPDATED 11/10/78

UC Cooperative Extension

BUDGET IDENTIFICATION NUMBER 2295400420 322 1
DATE PRINTED: 06/18/80

BUDGET RECORD NUMBER 172
HARVEST MONTH: 10

COSTS TO PRODUCE GRAIN SORGHUM
IN TULARE COUNTY
YIELD OF 45 CWT/ACRE

FUEL USED IN GALLONS PER HOUR

TRACTOR 30 HP	1.800
TRACTOR 120 HP	5.760
TRACT 4WD 175HP	9.800
TRUCK 2 TON	6.250
PICKUP 1/2 T	4.000
IRR PUMP 200 HP*	1.356
COMBINE-GRAIN	4.070

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
TRUCK 2 TON	0.139	
PICKUP 1/2 T	0.073	
IRR PUMP 200 HP*	0.339	
COMBINE-GRAIN	1.314	
CHISEL	2.906	TRACT 4WD 175HP
DISC OFFSET HDTY	1.604	TRACT 4WD 175HP
PLANTER 8ROW	1.773	TRACTOR 120 HP
CULTIVATOR 6ROW	1.305	TRACTOR 120 HP
INPL CARRIER	0.081	TRACTOR 30 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
CHISEL	0.000	0.000	2.906	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.906	3
DISC OFFSET HDTY	0.000	0.000	3.208	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.208	3
PLANTER 8ROW	0.000	0.000	0.000	1.773	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.773	3
CULTIVATOR 6ROW	0.000	0.000	0.000	1.305	1.305	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.610	3
INPL CARRIER	0.000	0.000	0.016	0.016	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	1
PICKUP 1/2 T	0.000	0.000	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.109	0.000	0.000	0.618	1
COMBINE-GRAIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.314	0.000	0.000	1.314	3
TRUCK 2 TON	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.389	0.000	0.000	1.389	1
TOTALS	0.000	0.000	6.204	3.167	1.386	0.073	0.073	0.073	0.073	2.812	0.000	0.000	13.860	

GALLONS FUEL BY TYPE
2.05 GAS
0.00 LP
11.81 DIESEL

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

INCOME ABOVE VARIABLE COSTS
 WHEN THE PRICE OF SORGHUM GRAIN RANGES FROM 3.83 TO 4.63
 AND THE QUANTITY OF SORGHUM GRAIN RANGES FROM 40.00 TO 60.00

QUANTITY OF SORGHUM GRA	PRICE OF SORGHUM GRAIN				
	3.83	4.03	4.23	4.43	4.63
40.00	* -81.82	* -73.82	* -65.82	* -57.82	* -49.82
45.00	* -62.67	* -53.67	* -44.67	* -35.67	* -26.67
50.00	* -43.52	* -33.52	* -23.52	* -13.52	* -3.52
55.00	* -24.37	* -13.37	* -2.37	* 8.63	* 19.63
60.00	* -5.22	* 6.78	* 18.78	* 30.78	* 42.78

INCOME ABOVE ALL CASH COSTS
 WHEN THE PRICE OF SORGHUM GRAIN RANGES FROM 3.83 TO 4.63
 AND THE QUANTITY OF SORGHUM GRAIN RANGES FROM 40.00 TO 60.00

QUANTITY OF SORGHUM GRA	PRICE OF SORGHUM GRAIN				
	3.83	4.03	4.23	4.43	4.63
40.00	* -95.62	* -87.62	* -79.62	* -71.62	* -63.62
45.00	* -76.47	* -67.47	* -58.47	* -49.47	* -40.47
50.00	* -57.32	* -47.32	* -37.32	* -27.32	* -17.32
55.00	* -38.17	* -27.17	* -16.17	* -5.17	* 5.83
60.00	* -19.02	* -7.02	* 4.98	* 16.98	* 28.98

INCOME ABOVE ALL COSTS
 WHEN THE PRICE OF SORGHUM GRAIN RANGES FROM 3.83 TO 4.63
 AND THE QUANTITY OF SORGHUM GRAIN RANGES FROM 40.00 TO 60.00

QUANTITY OF SORGHUM GRA	PRICE OF SORGHUM GRAIN				
	3.83	4.03	4.23	4.43	4.63
40.00	* -316.97	* -308.97	* -300.97	* -292.97	* -284.97
45.00	* -297.82	* -288.82	* -279.82	* -270.82	* -261.82
50.00	* -278.67	* -268.67	* -258.67	* -248.67	* -238.67
55.00	* -259.52	* -248.52	* -237.52	* -226.52	* -215.52
60.00	* -240.37	* -228.37	* -216.37	* -204.37	* -192.37

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UPDATED 11/10/78