

TITLE: PRODUCTION COSTS & RETURNS GRAIN SORGHUM
 IN IMPERIAL COUNTY - 1978
 USING 1977 FIGURES & COSTS.

SR-SI-78

Sorghum #176

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
SORGHUM GRAIN	TON	84.600	2.500	211.50	
TOTAL RECEIPTS:				\$	211.50
2. VARIABLE COSTS:					
PREHARVEST:					
CUSTOM DISC	EACH	5.000	2.000	10.00	
NITROGEN	LBS.	0.120	190.000	22.80	
FERTILIZER APP	ACRE	4.500	1.000	4.50	
CUSTOM FLOAT	EACH	4.750	2.000	9.50	
CUSTOM LIST	EACH	6.000	1.000	6.00	
GR SORGHUM SEED	LBS.	0.400	15.000	6.00	
PLANTING LABOR	ACRE	5.000	1.000	5.00	
HERBICIDE	ACRE	4.500	1.000	4.50	
HERBICIDE APP	ACRE	3.500	1.000	3.50	
INSECTICIDE	ACRE	5.000	1.000	5.00	
INSECTICIDE APP	ACRE	4.000	1.000	4.00	
IRRIG DIST WATER	ACIN	0.417	48.000	20.02	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			7.36	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.059	48.000	2.82	
MACHINERY LABOR	HOURL	5.990	1.309	7.84	
IRRIGATION LABOR	HOURL	5.000	9.000	45.00	
INTEREST ON OPERATING CAP.	DOL.	0.140	53.455	7.19	
TOTAL PREHARVEST COSTS:				\$	171.03
PREHARVEST COST PER TON				\$	68.4112
HARVEST:					
CUSTOM COMBINE	TON	9.600	2.500	24.00	
CUSTOM HAULING	TON	3.500	2.500	8.75	
TOTAL HARVEST COSTS:				\$	32.75
HARVEST COST PER TON				\$	13.1000
TOTAL VARIABLE COSTS:				\$	203.78
VARIABLE COST PER TON				\$	81.5112
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$	7.72
				\$	3.0888
4. CASH OVERHEAD:					
CASH RENT:				\$	100.00
TOTAL CASH OVERHEAD:				\$	100.00
OVERHEAD COST PER TON				\$	40.0000
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$	-92.28
				\$	-36.9112
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			1.42	
IRRIGATION SYSTEM	ACRE			15.52	
TOTAL DEPRECIATION:				\$	16.94
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.140	5.149	0.72	
IRRIGATION SYSTEM		0.140	142.700	19.98	
TOTAL INTEREST CHARGE:				\$	20.70
TOTAL FIXED COSTS:				\$	37.64
FIXED COST PER TON				\$	15.0555
TOTAL OF ABOVE COSTS:				\$	341.42
TOTAL COST PER TON				\$	136.5668
8. NET RETURNS:					
NET RETURNS PER TON				\$	-129.92
				\$	-51.9668

BASED ON 100 ACRES OF CROP
 WITH FURROW IRRIG.

CUSTOM BASIS FOR OPERATIONS

08/09/78

UC Cooperative Extension

BUDGET IDENTIFICATION NUMBER 2291300821 362 1

BUDGET RECORD NUMBER 176

DATE PRINTED: 06/18/80

HARVEST MONTH: 8

FUEL USE SUMMARY FOR BUDGET NUMBER 2291300821 362 1

PRODUCTION COSTS & RETURNS GRAIN SORGHUM
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FUEL USED IN GALLONS PER HOUR

PICKUP 1/2 T 4.000

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

<u>MACHINE</u>	<u>GALLONS</u>	<u>POWER UNIT</u>
PICKUP 1/2 T	0.073	

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
PICKUP 1/2 T	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	4.364	1
TOTALS	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	4.364	

GALLONS FUEL BY TYPE
 4.36 GAS
 0.00 LP
 0.00 DIESEL

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

INCOME ABOVE VARIABLE COSTS WHEN THE PRICE OF SORGHUM GRAIN AND THE QUANTITY OF SORGHUM GRAIN		RANGES FROM RANGES FROM	76.14 TO -3.10 TO	93.06 8.10		
PRICE OF SORGHUM GRAIN						
		76.14	80.37	84.60	88.83	93.06

QUANTITY OF SORGHUM GRA	-3.10 *	-439.81	-452.93	-466.04	-479.15	-492.26
	*					
	-0.30 *	-226.62	-227.89	-229.16	-230.43	-231.70
	*					
	2.50 *	-13.43	-2.85	7.72	18.30	28.87
*						
5.30 *	199.76	222.18	244.60	267.02	289.44	
*						
8.10 *	412.96	447.22	481.48	515.74	550.01	
*						

INCOME ABOVE ALL CASH COSTS WHEN THE PRICE OF SORGHUM GRAIN AND THE QUANTITY OF SORGHUM GRAIN		RANGES FROM RANGES FROM	76.14 TO -3.10 TO	93.06 8.10		
PRICE OF SORGHUM GRAIN						
		76.14	80.37	84.60	88.83	93.06

QUANTITY OF SORGHUM GRA	-3.10 *	-539.81	-552.93	-566.04	-579.15	-592.26
	*					
	-0.30 *	-326.62	-327.89	-329.16	-330.43	-331.70
	*					
	2.50 *	-113.43	-102.85	-92.28	-81.70	-71.13
*						
5.30 *	99.76	122.18	144.60	167.02	189.44	
*						
8.10 *	312.96	347.22	381.48	415.74	450.01	
*						

INCOME ABOVE ALL COSTS WHEN THE PRICE OF SORGHUM GRAIN AND THE QUANTITY OF SORGHUM GRAIN		RANGES FROM RANGES FROM	76.14 TO -3.10 TO	93.06 8.10		
PRICE OF SORGHUM GRAIN						
		76.14	80.37	84.60	88.83	93.06

QUANTITY OF SORGHUM GRA	-3.10 *	-577.45	-590.56	-603.68	-616.79	-629.90
	*					
	-0.30 *	-364.26	-365.53	-366.80	-368.07	-369.33
	*					
	2.50 *	-151.07	-140.49	-129.92	-119.34	-108.77
*						
5.30 *	62.13	84.54	106.96	129.38	151.80	
*						
8.10 *	275.32	309.58	343.84	378.11	412.37	
*						

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