

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST

GROSS RECEIPTS FROM PRODUCTION:					
SUDANGRASS	TON	56.290	4.000	225.16	
TOTAL RECEIPTS:				\$	225.16

2. VARIABLE COSTS:					
PREHARVEST:					
NITROGEN	LBS.	0.250	50.000	12.50	
SUDANGRASS, SEED	LBS.	0.300	20.000	6.00	
PLANTING LABOR	HR	3.300	0.500	1.75	
HERBICIDE	LBS.	3.000	0.750	2.25	
HERBICIDE APP	ACRE	2.500	1.000	2.50	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			6.20	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			4.35	
IRRIGATION POWER COST	ACRE			16.29	
IRRIGATION (LUBE-REPAIRS)	ACRE			2.31	
IRRIGATION WATER APPLIED	ACIN	0.775	24.000		
MACHINERY LABOR	HR	5.100	2.962	15.11	
IRRIGATION LABOR	HR	4.250	3.000	12.75	
INTEREST ON OPERATING CAP.	DOL.	0.086	12.837	1.07	
TOTAL PREHARVEST COSTS:				\$	83.28
PREHARVEST COST PER TON				\$	20.82
HARVEST:					
CUSTOM SWATHING	TON	4.000	4.000	16.00	
CUSTOM BALE	TON	12.000	4.000	48.00	
CUSTOM BANKOUT	TON	4.000	4.000	16.00	
INTEREST ON OPERATING CAP.	DOL.	0.086	73.333	6.33	
TOTAL HARVEST COSTS:				\$	86.33
HARVEST COST PER TON				\$	21.58
TOTAL VARIABLE COSTS:				\$	169.61
VARIABLE COST PER TON				\$	42.40

3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$	55.55
				\$	13.89

4. CASH OVERHEAD:					
REAL PROPERTY TAXES:					8.44
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)					4.24
TOTAL CASH OVERHEAD:				\$	12.68

5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$	42.87
				\$	10.72

6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			9.29	
IRRIGATION SYSTEM	ACRE			7.55	
TOTAL DEPRECIATION:				\$	16.84
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.086	97.893	8.45	
IRRIGATION SYSTEM		0.086	75.571	6.52	
LAND		0.083	750.000	61.88	
TOTAL INTEREST CHARGE:				\$	76.84
TOTAL FIXED COSTS:				\$	93.68
FIXED COST PER TON					23.42

7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				\$	275.97
					68.99

8. NET RETURNS:					
NET RETURNS PER TON				\$	-50.81
					-12.70

BASED ON A 100 ACRE OPERATION
WITH FLOOD IRRIGATION.

AUTHOR: COOP EXT
UPDATED 09/16/78

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	225.16	0.00	0.00	0.00	0.00	0.00	225.16
OPERATING EXPENSES														
NITROGEN	\$/AC	0.00	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50
SUDANGRASS, SEED	\$/AC	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
PLANTING LABOR	\$/AC	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75
HERBICIDE	\$/AC	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25
HERBICIDE APP	\$/AC	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	16.00
CUSTOM BALE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00	48.00
CUSTOM BARKOUT	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	16.00
MACHINE LABOR COST	\$/AC	0.33	0.33	3.93	5.94	2.24	0.33	0.33	0.33	0.33	0.33	0.33	0.33	15.11
INTEREST ON OPER. CAP.	\$/AC	0.02	0.02	0.20	0.86	0.26	0.08	0.00	0.04	0.04	0.03	0.03	0.03	1.61
TRACTOR COST	\$/AC	0.00	0.00	2.01	3.13	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.20
EQUIPMENT COST	\$/AC	0.20	0.20	1.11	1.15	0.48	0.20	0.20	0.20	0.20	0.20	0.20	0.20	4.55
IRRIGATION COST	\$/AC	0.00	0.00	0.00	6.20	6.20	6.20	0.00	0.00	0.00	0.00	0.00	0.00	18.59
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	4.25	4.25	4.25	0.00	0.00	0.00	0.00	0.00	0.00	12.75
TOTAL EXPENSES	\$/AC	0.56	0.55	7.24	41.77	19.25	11.06	80.53	0.58	0.57	0.57	0.57	0.56	163.81

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.07	0.07	0.77	1.16	0.44	0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.96
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	8.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00

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 75 HP	4	75.0	14500.	20.	300.	4.17	4.66	1.08	9.90	3.28	0.49	2.43	6.20	1.979
PICKUP 1/2 T	14	0.5	7300.	8.	300.	0.95	0.52	0.11	1.58	1.52	0.23	0.67	2.41	0.655
IRR PUMP 40 HP*	21	2.0	8000.	25.	3200.	1.10	1.40	0.34	2.84	16.29	0.24	0.89	17.42	12.000
CHISEL	43	12.0	3600.	15.	60.	0.97	0.77	0.18	1.92	0.00	0.01	0.50	0.51	0.270
CULTIVATOR 4 ROW	52	10.0	2200.	15.	56.	1.46	1.15	0.27	2.88	0.00	0.01	0.55	0.56	0.618
DISK TANDEM	65	10.0	2700.	15.	80.	1.27	1.00	0.24	2.51	0.00	0.02	0.78	0.79	0.625
SPRINGTOOTH	76	12.0	2000.	15.	75.	0.46	0.36	0.09	0.91	0.00	0.01	0.27	0.27	0.286
SURFACE IRR SYS*	128	2.0	38150.	10.	5000.	6.45	5.12	1.03	12.60	0.00	0.02	1.15	1.17	12.000

TOTAL INVESTMENT OR COST	78650.													
MACHINERY & EQUIPMENT	787.													
INVESTMENT PER ACRE						16.84	14.97	3.33	35.14	21.08	1.03	7.24	29.35	

BASED ON A 100 ACRE OPERATION
 WITH FLOOD IRRIGATION.

UC Cooperative Extension
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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	225.16	0.00	0.00	0.00	0.00	0.00	225.16
OPERATING EXPENSES														
NITROGEN	\$/AC	0.00	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50
SUDANGRASS, SEED	\$/AC	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
PLANTING LABOR	\$/AC	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75
HERBICIDE	\$/AC	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25
HERBICIDE APP	\$/AC	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	16.00
CUSTOM BALE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00	48.00
CUSTOM BANKOUT	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	16.00
MACHINE LABOR COST	\$/AC	0.33	0.33	3.93	5.94	2.24	0.33	0.33	0.33	0.33	0.33	0.33	0.33	15.11
INTEREST ON OPER. CAP.	\$/AC	0.02	0.01	0.15	0.57	0.13	0.00	6.37	0.04	0.03	0.03	0.03	0.02	7.40
TRACTOR COST	\$/AC	0.00	0.00	2.01	3.13	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.20
EQUIPMENT COST	\$/AC	0.20	0.20	1.11	1.15	0.48	0.20	0.20	0.20	0.20	0.20	0.20	0.20	4.35
IRRIGATION COST	\$/AC	0.00	0.00	0.00	6.20	6.20	6.20	0.00	0.00	0.00	0.00	0.00	0.00	18.59
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	4.25	4.25	4.25	0.00	0.00	0.00	0.00	0.00	0.00	12.75
TOTAL EXPENSES	\$/AC	0.55	0.55	7.19	41.48	19.12	10.98	86.91	0.57	0.57	0.57	0.56	0.56	169.61

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

MACHINE LABOR	HR/AC	0.07	0.07	0.77	1.16	0.44	0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.96
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	8.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00

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	
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PICKUP 1/2 T	14	0.5	7500.	8.	500.	0.95	0.52	0.11	1.58	1.52	0.23	0.67	2.41	0.655
IRR PUMP 40 HP*	21	2.0	8000.	25.	3200.	1.10	1.40	0.34	2.84	16.29	0.24	0.89	17.42	12.000
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SPRINGTOOTH	76	12.0	2000.	15.	75.	0.46	0.36	0.09	0.91	0.00	0.01	0.27	0.27	0.286
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