

~~COST & RETURNS SUMMARY FOR SUDANGRASS~~
 SUDANGRASS HAY PROJECTED PRODUCTION COSTS BY ROBERT HAGEMANN
 YEAR 1980
 YIELD OF 5 TONS PER ACRE

Imperial Co.

Sudangrass #190

SU-SI-80

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
SUDANGRASS	TON	70.000	5.000	350.00	
TOTAL RECEIPTS:				350.00	
2. VARIABLE COSTS:					
PREHARVEST:					
CUSTOM DISC	ACRE	6.500	2.000	13.00	
ANHY AMMONIA	LBS.	0.137	100.000	13.67	
ANHYD APPLICATOR	ACRE	5.000	1.000	5.00	
BORDER	ACRE	5.000	1.000	5.00	
CUSTOM FLOAT	ACRE	6.000	2.000	12.00	
SUDANGRASS, SEED	LBS.	0.240	30.000	7.20	
CUSTOM PLANTING	ACRE	7.500	1.000	7.50	
IRRIG DIST WATER	ACIN	0.433	42.000	18.17	
ANHY AMMONIA	LBS.	0.137	100.000	13.67	
IRRIGATION (SYSTEM MAINT.)	ACIN	0.059	42.000	2.46	
IRRIGATION LABOR	HOUR	5.000	4.000	20.00	
INTEREST ON OPERATING CAP.	DOL.	0.14000	33.264	4.42	
TOTAL PREHARVEST COSTS:				122.14	
PREHARVEST COST PER TON				24.4271	
HARVEST:					
CUSTOM SWATHING	ACRE	7.500	2.000	15.00	
RAKE	ACRE	3.750	2.000	7.50	
CUSTOM BALE	TON	9.000	5.000	45.00	
CUSTOM HAULING	BALE	0.180	34.000	6.12	
INTEREST ON OPERATING CAP.	DOL.	0.14000	6.135	0.86	
TOTAL HARVEST COSTS:				74.48	
HARVEST COST PER TON				14.8958	
TOTAL VARIABLE COSTS:				196.61	
VARIABLE COST PER TON				39.3229	
INCOME ABOVE VARIABLE COSTS:				153.39	
INCOME PER TON				30.6771	
4. OVERHEAD:					
CASH RENT:				80.00	
MISC. OFFICE & BOOKKEEPING (10.00% OF TOTAL VARIABLE COSTS)				19.66	
TOTAL OVERHEAD:				99.66	
OVERHEAD COST PER TON				19.9323	
TOTAL CASH COSTS:				296.28	
TOTAL CASH COST PER TON				59.2551	
5. INCOME ABOVE ALL CASH COSTS:				53.72	
INCOME PER TON				10.7449	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			0.00	
TOTAL DEPRECIATION:				0.00	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.14000	0.000	0.00	
TOTAL INTEREST CHARGE:				0.00	
TOTAL FIXED COSTS:				0.00	
FIXED COST PER TON				0.0000	
7. TOTAL OF ABOVE COSTS:				296.28	
TOTAL COST PER TON				59.2551	
8. NET RETURNS:				53.72	
NET RETURNS PER TON				10.7449	

WITH FLOOD IRRIGATION
 USING CUSTOM OPERATIONS
 BASED ON A CASH RENT BASIS
 PRINTED: 03/04/81
 180 default data

HARVEST MONTH: 9

UPDATED 03/04/81
 BUDGET RECORD NUMBER 190

UC Cooperative Extension

CASH FLOW & INVESTMENT SUMMARY FOR SUDANGRASS

BUDGET RECORD NUMBER 190

SUDANGRASS HAY PROJECTED PRODUCTION COSTS BY ROBERT HAGEMANN

YEAR 1980

YIELD OF 5 TONS PER ACRE

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	175.00	0.00	175.00	0.00	0.00	0.00	350.00
OPERATING EXPENSES														
CUSTOM DISC	\$/AC	0.00	0.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00
ANHY AMMONIA	\$/AC	0.00	0.00	0.00	0.00	13.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.67
ANHYD APPLICATOR	\$/AC	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
BORDER	\$/AC	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
CUSTOM FLOAT	\$/AC	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00
SUDANGRASS, SEED	\$/AC	0.00	0.00	0.00	0.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.20
CUSTOM PLANTING	\$/AC	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50
IRRIG DIST WATER	\$/AC	0.00	0.00	0.00	0.00	2.27	4.54	4.54	2.27	2.27	0.00	0.00	0.00	18.17
ANHY AMMONIA	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	6.84	0.00	6.84	0.00	0.00	0.00	13.67
CUSTOM SWATHING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	7.50	0.00	7.50	0.00	0.00	0.00	15.00
RAKE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	3.75	0.00	3.75	0.00	0.00	0.00	7.50
CUSTOM BALE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	22.50	0.00	22.50	0.00	0.00	0.00	45.00
CUSTOM HAULING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	3.06	0.00	3.06	0.00	0.00	0.00	6.12
INTEREST ON OPER. CAP.	\$/AC	0.00	0.00	0.00	0.00	3.06	0.34	1.23	0.06	0.00	0.45	0.00	0.00	5.33
IRRIGATION COST	\$/AC	0.00	0.00	0.00	0.00	0.31	0.61	0.61	0.31	0.31	0.31	0.00	0.00	2.46
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	0.00	2.50	5.00	5.00	2.50	2.50	2.50	0.00	0.00	20.00
TOTAL EXPENSES	\$/AC	0.00	0.00	0.00	0.00	71.50	10.49	55.03	5.13	48.72	5.73	0.00	0.00	196.61

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.00	0.50	1.00	1.00	0.50	0.50	0.50	0.00	0.00	4.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	0.00	5.25	10.50	10.50	5.25	5.25	5.25	0.00	0.00	42.00

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	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
SURFACE IRR SYS*	128	2.0	0.	10.	5000.	0.00	0.00	0.00	0.00	0.00	0.05	2.41	2.46	21.000
MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE			0.			0.00	0.00	0.00	0.00	0.00	0.05	2.41	2.46	
TOTAL INVESTMENT			0.											

WITH FLOOD IRRIGATION
USING CUSTOM OPERATIONS
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FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 190
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 YEAR 1980
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FUEL USED IN GALLONS PER HOUR

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED
 MACHINE GALLONS POWER UNIT

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
GALLONS FUEL BY TYPE														
0.00 GAS														1=GAS
0.00 LP														2=L.P.
0.00 DIESEL														3=DIESEL
0.00 N. GAS														4=N. GAS
0.00 KWHRS														5=ELEC.

WITH FLOOD IRRIGATION
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MACHINERY OPERATIONS SUMMARY BUDGET RECORD NUMBER 190
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OPERATION	ITEM NO.	DATE	TIMES OVER HOUR	LABOR HOUR S	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
TOTALS				0.000	0.000	0.00	0.00

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STORED DATA PAGE (NO CALCULATIONS) FOR SUDANGRASS

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COSTS AND RETURNS WILL BE DIVIDED BY 5.0 TON TO OBTAIN PER TON COSTS

YEAR 1980

YIELD OF 5 TONS PER ACRE

LINE PRODUCTION	NUMBER OF UNITS													PRICE	SHARE RENT	UNIT CODE	ITEM CODE	TYPE	XXXX
	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	13						
1 SUDANGRASS	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	2.50	0.00	0.00	0.00	70.000	0.000	3.	31.	2.	0.	
OPERATING INPUTS																			
	RATE/UNIT													PRICE	SHARE RENT	UNIT CODE	ITEM CODE	TYPE	HARV CODE
6 CUSTOM DISC	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.500	0.000	7.	281.	3.	0.	
7 ANHY AMMONIA	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.137	0.000	12.	210.	3.	0.	
8 ANHYD APPLICATOR	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	7.	363.	3.	0.	
9 BORDER	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	7.	296.	3.	0.	
10 CUSTOM FLOAT	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.000	0.000	7.	283.	3.	0.	
11 SUDANGRASS, SEED	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.240	0.000	12.	131.	3.	0.	
12 CUSTOM PLANTING	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.500	0.000	7.	292.	3.	0.	
13 IRRIG DIST WATER	0.00	0.00	0.00	0.00	5.25	10.50	10.50	5.25	5.25	5.25	0.00	0.00	0.433	0.000	11.	323.	3.	0.	
14 ANHY AMMONIA	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	50.00	0.00	0.00	0.00	0.137	0.000	12.	210.	3.	0.	
15 CUSTOM SWATHING	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	7.500	0.000	7.	314.	3.	9.	
16 RAKE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	3.750	0.000	7.	295.	3.	9.	
17 CUSTOM BALE	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	2.50	0.00	0.00	0.00	9.000	0.000	3.	291.	3.	9.	
18 CUSTOM HAULING	0.00	0.00	0.00	0.00	0.00	0.00	17.00	0.00	17.00	0.00	0.00	0.00	0.180	0.000	6.	306.	3.	9.	

MACHINERY REQUIREMENTS IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE N CREW POWER MACH TYPE HARV LABOR UNIT CODE

NONE STORED WITH BUDGET

														SHARE FIXED	SHARE VAR	POWER UNIT	SYSTM CODE	LIFT
49 ACIN. IRRIG WATER	0.00	0.00	0.00	0.00	5.25	10.50	10.50	5.25	5.25	5.25	0.00	0.00	1.00	0.00	0.	128.	0.	
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	1.00	2.00	2.00	1.00	1.00	1.00	0.00	0.00						

EQUIPMENT REQUIREMENTS

NUMBER UNITS PROPORT OF COST XXX EQUIP TYPE XXXX

NONE STORED WITH BUDGET

REQUIREMENTS	CHARGE METHOD	3	4	5	6	7	8
			NUMBER OF ACRES	VALUE OR COST/ACRE	TAXES PER ACRE	PERENNIAL CROPS YRS LIFE	COST/ACRE
71 ENTERPRISE 2-31 REGION/COUNTY 13 UNASSIGNED	2.		80.00	80.00	0.00	0.0	0.00
			0000	MACH COMP	1	IRIG SYST	2 UNASSIGNED
						0	EQUIP SET
							1 HARVEST MONTH
							9

WITH FLOOD IRRIGATION USING CUSTOM OPERATIONS BASED ON A CASH RENT BASIS

UPDATED 03/04/81

MACHINERY COMPLEMENT 1 EQUIPMENT COMPLEMENT 1

GENERAL NAME CHANGE	LINE CHANGE	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL
BORDER	296	0.500000	28.	RAKE	295	0.100000							

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1980 default data