FARM: Cochise County Farm

COUNTY: Cochise

TILLAGE: Conventional

CROP: Alfalfa Hay w/Graze ACRES: AREA: Stewart YIELD:	1.0 8.0 Tn/Acre		GATION SYSTEM: TOUS CROP:	Center Pivot Alfalfa Hay	w/ SOIL: DATE:	Sandy 09/23/96
Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Alfalfa	Ton	8.00	\$82.0000	\$656.00	\$656.00	
CASH LAND PREPARATION AND GROWING EXP Paid Labor (including benefits) Irrigation	ENSES (including sale	es tax)		2.24	2.24	
Farm Machinery and Vehicles Irrigation (excluding labor)					0.00 214.07	
Pump Energy - Elect. Natural Gas/Pumping Repairs & Maint.				41.65 133.43 38.99		
TOTAL CASH L	AND PREPARATION AND (GROWING EXPENS	ES		216.31	
CASH HARVEST AND POST HARVEST EXPENSE Paid Labor (including benefits) Tractor/Self Propelled	s			13.04	22.39	
Other/Contract Farm Machinery and Vehicles Diesel Fuel Repairs & Maint.				9.36 10.72 22.77	33.49	
Other Materials					16.90	
TOTAL HARVES	T AND POST HARVEST EX	KPENSE			72.78	
OPERATING OVERHEAD->PICKUP USE OPERATING INTEREST AT 8.0%					10.57 0.00	
	PERATING EXPENSES ER CASH OPERATING EX	PENSES			\$299.67 \$356.33	

Notes: The above figures do not include ownership costs, see Table 11B on Next Page for detailed cost allocation.

StewNG

WATER SOURCE:

FARM: Cochise County Farm

COUNTY: Cochise

TILLAGE: Conventional

CROP: Alfalfa Hay w/Graze ACRES: 1.0 AREA: Stewart YIELD: 8.0 Tn/Acre	IRRIGATIO	ON SYSTEM: Center	_	Sandy 09/23/96
Item	- CASH COST BAS	IS (\$/ACRE) - Net Returns	- TOTAL COST BAS	IS (\$/ACRE) - Net Returns
TOTAL INCOME at \$ 82.0000/Tn TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$656.00 299.66	\$356.33	\$656.00 299.66	\$356.33
CASH OVERHEAD EXPENSES Taxes, Housing & Insur., Farm Machinery Wells & Irrig. System Gen. & Off. Overhead (5% of Tot. Oper. Exp.) General Farm Maint. (3% of Tot. Oper. Exp.)	5.04 18.90 14.98 8.99		5.04 18.90 14.98 8.99	
Total Cash Overhead Expenses	47.91		47.91	
Total Cash Oper. & Over. Cost RETURNS OVER CASH OPER. & OVER. EXPENSES.	347.58	308.41	347.58 	308.41
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery & Vehicles Wells & Irrig. System Interest on Equity, Machinery & Vehicles Wells & Irrig. System Stand Establishment (3 Year Crop)	84.69		32.92 72.40 3.02 55.64 84.69	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK ———— RETURNS TO LAND, MANAGEMENT & RISK —————	84.69	> 223.72	248.67	──> 59.74
LAND COSTS / OWNERSHIP (100% Equity) Property Taxes (\$260 X 16% X .14112) Opport. Inter. on Land (100% X 6.0% X \$260)	5.87		5.87 15.60	
Total Land Costs RETURNS TO MANAGEMENT, CAPITAL & RISK ————————————————————————————————————	5.87	> 217.85	21.47	──> 38.27
Management Services (8% of Tot. Oper. Exp.)			23.97	
TOTAL OWNERSHIP COST	138.47		342.03	
TOTAL COST RETURN TO MANAGEMENT, CAPITAL & RISK — RETURN TO RISK (PROFITS)	\$130 11	> \$217.85	\$641.69	> \$14.30
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Tn)		\$37.45	!	\$37.45
BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST		\$17.30 \$54.76		\$42.75 \$80.21

WATER SOURCE:

StewNG

COUNTY: Cochise FARM: Cochise County Farm WATER SOURCE: StewNG TILLAGE: Conventional CROP: Alfalfa Hay w/Graze ACRES: 1.0 IRRIGATION SYSTEM: Center Pivot w/ SOIL: Sandy 09/23/96 AREA: Stewart YIELD: 8.0 Tn/Acre PREVIOUS CROP: Alfalfa Hay DATE:

	Firs		— Hours				ng Costs (·	Tot. Cash	
NO.	Mont	h Operation	Machine	Labor	Fuel/Rps	. Labor	Cust/Ser.	Materials	Total	Times	Expense	Class
1	Mar	Irrigate/Center Pivot		0.002	1.34	0.01			1.35	160.0	215.34	G
2	May	Swathing	0.150	0.167	2.02	1.17			3.19	5.0	15.97	H
3	May	Raking	0.150	0.167	1.26	1.40			2.66	5.0	13.32	H
4	May	Baling	0.129	0.143	1.88	1.20		3.38	6.46	5.0	32.32	H
5	May	Roadsiding	0.090	0.100	1.53	0.70			2.23	5.0	11.13	H
	_	Pickup Use 40 Mi/Ac	1.330	-	10.57						10.57	0
		Operating Interest at	8.00%				0.24				0.24	0
		TOTAL CASH OPERATING EX	XPENSES:		\$257.80	\$23.95	\$0.24	\$16.90			\$298.89	T

^{*} NOTES: Machine and labor hours and operating cost are for one time over the designated acreage. The 'Tot. Cash Expense' column and the 'TOTAL CASH OPERATING EXPENSES:' row include all operations, all times over. Classes are defined below.

OPERATING COST SUMMARY BY Land Preparation (L)	CLASS \$0.00	Prices ->	SENSITIV	/ITY	OF NET REV -25%	ENUES OVER -10%	TOTAL CASH Budgeted	EXPENSES +10%	(\$/Acre) +25%	
Growing (G)	215.34						-			
Harvest (H)	72.73	Yields			\$61.50	\$73.80	\$82.00	\$90.20	\$102.50	Break-even
Post Harvest (P)	0.00			1-						
Marketing (M)	0.00	-25 %	6.0	Ĺ	88.29	162.09	211.29	260.49	334.29	46.78
Operating Overhead (O)	10.81 j	-10%	7.2	i	151.18	239.74	298.78	357.82	446.38	40.50
	—— i	Budgeted	8.0	Ĺ	193.10	291.50	357.10	422.70	521.10	37.36
Total (T)	\$298.89 j	+10%	8.8	i	235.03	343.27	415.43	487.59	595.83	34.79
• •	i	+25%	10.0	i	297.92	420.92	502.92	584.92	707.92	31.70
	į	Break-even	Yield	j	4.31	3.49	3.10	2.78	2.42	

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COUNTY: CROP: AREA:	Cochise Alfalfa : Stewart	Hay w/Graze		1.0	nty Farm Tn/Acre		WATER IRRIG PREVI	ATION	SYSTEM: (StewNG Center I Alfalfa	•	TILLAGE SOIL: DATE:	San	ventional dy 23/96
		Water						Opera	ting Cost	t (\$/Acı	re) ———			
Month *	Number Irrig.	Applied (Inches)	Total Labor (Hrs)		chased ater	Fuel, O & Repai		Labor	_	icals	Other Purchases	Servi	ces	Total
MAR C	7.0	2.4	0.01			9.35		0.10						9.45
APR C	13.0	4.5	0.02			17.37		0.18						17.55
MAY C	26.0	9.1	0.62			41.43		4.84			3.38			49.65
JUN C	26.0	9.1	0.62			41.43		4.84			3.38			49.65
JUL C	26.0	9.1	0.62	İ		41.43		4.84			3.38			49.65
AUG C	26.0	9.1	0.62	İ		41.43		4.84			3.38			49.65
SEP C	26.0	9.1	0.62	İ		41.43		4.84			3.38			49.65
OCT C	10.0	3.5	0.02	İ		13.36		0.14						13.50
Pickup U	Use 40 M	i/Ac	,			10.57								10.57
Operati	ng Intere	st at 8.0	8									0.2	24	0.24
Total	160.0	56.0	3.20			257.80	-	24.63			16.90	0.2	24	299.58
ક				ĺ		86.05		8.22			5.64	0.0	80	100.00
TOTAL RI	ESOURCES	REQUIREMENT	S(/Acre)	TOTAL	ENERGY F	REQUIREME	NTS (/Ac	re)						
Total		0.0 lbs	- (,, ,		sel Fuel	~			Gal					
Total	P	0.0 lbs		Regu	ılar Gas			0.0	Gal					
Total	K	0.0 lbs			Lead Gas			4.0	Gal					
Total	Labor	3.2 Hrs		Elec	ctricity/	Pumping	51	7.2	KWH					
Total	Water	56.0 AI			ural Gas/		34	9.9	Therms					
					Direct E		3	8.9	M BTU					
EOUIPME	NT REOUIR	EMENTS (/Acr	e)											
Windre	ower, 14.	O', HS, SC	0.75 Hi	rs Trac	ctor, 100	PTO HP,	MFWD		1.40 Hrs	Rake,	9.5' LH			0.75 Hrs
	, 2 Wire		0.65 Hi		e Wagon,				0.45 Hrs		Truck, 1/2	Ton		1.33 Hrs
	LS REQUIR	EMENTS (/Acr	e) 56.00 A	I Bali	ing Wire	(6500')			2.45 TF					
LABOR RI	EQUIREMEN ators	TS(/Acre)	0.32 Hi	rs Harv	vest				1.34 Hrs	Tracto	or			1.55 Hrs

^{*} NOTE: P = Previous Year C = Current Year N = Next Year

Table 11E Schedule of Operations; Alfalfa Hay (Pivot), 1996

May

5.0 Roadsiding

Pickup Use 40 Mi/Ac

5 May

COUNTY: Cochise FARM: Cochise County Farm TILLAGE: Conventional WATER SOURCE: StewNG CROP: Alfalfa Hay w/Graze ACRES: 1.0 IRRIGATION SYSTEM: Center Pivot w/ SOIL: Sandy YIELD: 8.0 Tn/Acre 09/23/96 AREA: Stewart PREVIOUS CROP: Alfalfa Hav DATE: First Equipment/Custom Oper. ----- Material Use & Cost ----Service Cost Labor Job Rate No. Month Times Operation Self-Prop./Implem. Appl. Rate \$/Unit Acres/Hr Name \$/Unit Type Mar 160.0 Irrigate/Center Pivot 0.35 AI 33.32 AF 480.00 Water, Pump Irrigator Windrower, 14.0', HS, S May 5.0 Swathing 6.00 Harvest May 5.0 Raking 100 Rake, 9.5' LH 6.00 Tractor 5.0 Baling 100 Baler, 2 Wire Auto PTO 7.00 Baling Wire (6500 0.49 TF

10.00

0.75

Pickup Truck, 1/2 Ton

Bale Wagon, SP PRC

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6.57 TF

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Tractor

Harvest

^{*} NOTE: Machine times, labor times, and material rates are for one time over the designated acreage.