COUNTY: Greenlee **DEastN** TILLAGE: Conventional FARM: Greenlee County Farm WATER SOURCE: CROP: Alfalfa Hay w/Graze ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Duncan Valley YIELD: 9.5 Tn/Acre PREVIOUS CROP: Alfalfa Hay DATE: 10/04/96 Total Item Unit Quantity Price Budgeted Your Farm /Unit /Acre /Acre Budget INCOME -> Alfalfa Ton 9.50 \$82.0000 \$779.00 \$779.00 CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax) Paid Labor (including benefits) 36.30 Tractor/Self Propelled 1.97 Irrigation 34.33 Chemicals & Custom Applications 41.04 Fertilizers 33.08 Insecticides 7.96 Farm Machinery and Vehicles 2.05 Diesel Fuel 1.13 0.92 Repairs & Maint. Irrigation (excluding labor) 73.98 Natural Gas/Pumping 64.93 Repairs & Maint. 9.05 153.37 TOTAL CASH LAND PREPARATION AND GROWING EXPENSES CASH HARVEST AND POST HARVEST EXPENSES Paid Labor (including benefits) 39.51 Tractor/Self Propelled 12.61 26.89 Other/Contract Farm Machinery and Vehicles 68.61 Diesel Fuel 21.82 Repairs & Maint. 46.79 Other Materials 22.35 130.47 TOTAL HARVEST AND POST HARVEST EXPENSE 9.91 OPERATING OVERHEAD->PICKUP USE OPERATING INTEREST AT 0.84 \_\_\_\_\_ \_\_\_\_\_ \$294.58 TOTAL CASH OPERATING EXPENSES RETURNS OVER CASH OPERATING EXPENSES \$484.42

Notes: The above figures do not include ownership costs, see Table 5B on Next Page for detailed cost allocation.

TILLAGE: Conventional FARM: Greenlee County Farm COUNTY: Greenlee WATER SOURCE: DEastN CROP: Alfalfa Hay w/Graze ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Duncan Valley YIELD: 9.5 Tn/Acre Alfalfa Hay DATE: 10/04/96 PREVIOUS CROP:

AREA: Duncan valley YIELD: 9.5 Th/AC	re PREVIOUS CR	OP: Aliali	a hay DATE:	10/04/96
	- CASH COST BASIS (	\$/ACRE) -	- TOTAL COST BAS	SIS (\$/ACRE)
Item	Income & Costs Ne	t Returns	Income & Costs	Net Return
FOTAL INCOME at \$ 82.0000/Tn	\$779.00		\$779.00	
TOTAL OPERATING EXPENSES	294.58		294.58	
RETURN OVER CASH OPERATING EXPENSES		\$484.41		\$484.41
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	11.50		11.50	
Wells & Irrig. System	4.33		4.33	
Gen. & Off. Overhead ( 5% of Tot. Oper. Exp.)	14.72		14.72	
General Farm Maint. ( 3% of Tot. Oper. Exp.)	8.84		8.84	
Total Cash Overhead Expenses	39.39		39.39	
Total Cash Oper. & Over. Cost	333.98		333.98	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		445.01		445.01
CAPITAL ALLOCATIONS (100% Equity)			i	
Capital Replacement, Machinery & Vehicles			76.88	
Wells & Irrig. System			52.26	
Interest on Equity, Machinery & Vehicles			6.19	
Wells & Irrig. System			12.95	
Stand Establishment ( 3 Year Crop)	89.02		89.02	
Total Capital Allocations	89.02		237.29	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK	<del>&gt;</del>	355.99	I	
RETURNS TO LAND, MANAGEMENT & RISK			1	<del></del>
LAND COSTS / OWNERSHIP (100% Equity)	_		i	
Property Taxes (\$480 X 16% X .06830)	5.24		5.24	
Opport. Inter. on Land (100% X 6.0% X \$480)			28.80	
Total Land Costs	5.24		34.04	
RETURNS TO MANAGEMENT, CAPITAL & RISK —	>	350.75	] 54.04	
RETURNS TO MANAGEMENT & RISK —			· · · · · · · · · · · · · · · · · · ·	<b>—&gt;</b> 173.67
Management Services ( 8% of Tot. Oper. Exp.)			l l 23.56	
			i	
TOTAL OWNERSHIP COST	133.66		334.30	
TOTAL COST	\$428.24		\$628.89	
RETURN TO MANAGEMENT, CAPITAL & RISK ————————————————————————————————————	<del></del>	\$350.75	1	—> \$150.10
RETORN TO KISK (FROTTIS)				7 7150.10
BREAK-EVEN PRICE TO COVER OPERATING COST (PER In)		\$31.00	!	\$31.00
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$14.06	!	\$35.19
BREAK-EVEN PRICE TO COVER TOTAL COST		\$45.07	I	\$66.19

Table 5C. Variable Operating Costs; Alfalfa Hay, 1996

COUNTY:	Greenlee	FARM:	Greenlee County Farm	WATER SOURCE:	DEastN	TILLAGE:	Conventional
CROP:	Alfalfa Hay w/Graze	ACRES:	1.0	IRRIGATION SYSTEM:	Flood Basin	SOIL:	Sandy-Loam
AREA:	Duncan Valley	YIELD:	9.5 Tn/Acre	PREVIOUS CROP:	Alfalfa Hay	DATE:	10/04/96

	First		— Hou	rs * -	1		- Operating Costs (\$/Acre*)					Tot. Cash			
No.	Month	Operation	Machine	Labor	1	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total	Times	Expense	Class		
1	Mar	Apply Fert/Ground	0.060	0.067	Ι	0.54	0.56		33.08	34.18	1.0	34.18	G		
2	Mar	Irrigate		0.314	1	5.69	2.64			8.33	13.0	108.29	G		
3	Apr	Apply Insect./Ground	0.150	0.167	Ĺ	1.51	1.40		7.96	10.87	1.0	10.87	G		
4	May	Swathing	0.180	0.200	Ì	2.55	1.68			4.23	6.0	25.38	н		
5	May	Baling	0.225	0.250	1	3.50	2.10		3.73	9.33	6.0	55.97	н		
6	May	Roadsiding	0.300	0.333	Ĺ	5.39	2.80			8.19	6.0	49.12	н		
	_	Pickup Use 40 Mi/Ac	1.330		-	9.90						9.90	0		
		Operating Interest at 9.00	8					1.00				1.00	0		
		TOTAL CASH OPERATING EXPENS	ES:			\$154.54	\$75.76	\$1.00	\$63.42			\$294.72	T		

<sup>\*</sup> 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)	\$0.00	 	Prices ->	SENSIT	IVITY 	OF NET RE	VENUES OVE	ER TOTAL CAS Budgeted	SH EXPENSE: +10%	S (\$/Acre) +25%	
Growing (G) Harvest (H)	153.34 130.46		Yields			\$61.50	\$73.80	\$82.00	\$90.20	\$102.50	Break-even
Post Harvest (P)	0.00		iteids		¦	701.50	\$73.80	Ş62.00 	<del></del>	<del></del>	Break-even
Marketing (M)	0.00	i	-25%	7.1	i	176.08	263.72	322.15	380.57	468.21	36.78
Operating Overhead (O)	10.90	1	-10%	8.5	- 1	244.15	349.32	419.43	489.54	594.70	32.94
		1	Budgeted	9.5	- 1	289.53	406.38	484.28	562.18	679.03	31.02
Total (T)	\$294.71	1	+10%	10.4	- 1	334.91	463.44	549.13	634.82	763.36	29.45
		1	+25%	11.8	- 1	402.97	549.04	646.41	743.79	889.85	27.56
		1	Break-even	Yield	1	3.43	2.73	2.40	2.14	1.85	

COUNTY:	Greenlee Alfalfa	Hay w/Graze	FARM: Green ACRES:	lee County Farm		WATER SOU IRRIGATIO		DEastN EM: Flood 1			Conventional Sandv-Loam
AREA:	Duncan V	<b>-</b>	YIELD:	9.5 Tn/Acre		PREVIOUS		Alfalfa			10/04/96
		Water		1		o	perati	ng Cost (\$	/Acre) —		
	Number	Applied	Total	Purchased	Fuel, Oil	1			Other		
Month *	Irrig.	(Inches)	Labor (Hrs)	Water	& Repairs	s Lab	or (	Chemicals	Purchases	Servic	es Total
MAR C	1.0	6.0	0.38	I	6.23	3.	20	33.08			42.52
APR C	2.0	12.0	1.57		24.32	13.	27	7.96	3.73		49.28
MAY C	2.0	12.0	1.41	1	22.81	11.	87		3.73		38.41
JUN C	2.0	12.0	1.41	1	22.81	11.	87		3.73		38.41
JUL C	2.0	12.0	1.41	1	22.81	11.	87		3.73		38.41
AUG C	2.0	12.0	1.41	1	22.81	11.	87		3.73		38.41
SEP C	2.0	12.0	1.41	Ì	22.81	11.	87		3.73		38.41
Pickup	Use 40 M	i/Ac			9.90						9.90
		st at 9.0%								1.0	1 1.01
Total	13.0	78.0	9.01		154.54	75.	81	41.04	22.35	1.0	1 294.74
8				i	52.43	25.	71	13.92	7.58	0.3	4 100.00
TOTAL R	ESOURCES	REQUIREMENTS	(/Acre)	TOTAL ENERGY RE	QUIREMENTS	S(/Acre)					
Total	N	22.0 lbs		Diesel Fuel		21.0	Gal				
Total	P	104.0 lbs		Regular Gas		0.0	Gal				
Total	K	0.0 lbs		NonLead Gas		4.0	Gal				
Total	Labor	9.0 Hrs									
Total	Water	78.0 AI		Natural Gas/E	Pumping	168.5	Therr	ns			
				All Direct Er	nergy	20.2	м вт	J			
EQUIPME	NT REQUIR	EMENTS (/Acre	.)								
Tract	or, 100 F	TO HP, MFWD	1.56 Hrs	Fertilizer Broa	adcaster, :	Towed	0.06 H	rs Saddle	Tk Sprayer,	2 Tk 8 Row	0.15 Hrs
Windr	ower, 14.	0', HS, SC	1.08 Hrs	Baler, 2 Wire A	Auto PTO				agon, SP PRC		1.80 Hrs
Picku	p Truck,	1/2 Ton	1.33 Hrs								
MATERIA	LS REQUIR	EMENTS (/Acre	)								
11-52	-00, Dry		200.00 Lb	Water, Pump		7	8.00 A	I Carbof	uran		1.00 Pt
Balin	g Wire (	6500')	3.24 TF	-							
LABOR R	EQUIREMEN	TS (/Acre)									
Tract	or		1.73 Hrs	Irrigators			4.08 H	rs Harves	t		3.20 Hrs

<sup>\*</sup> NOTE: P = Previous Year C = Current Year N = Next Year

COUNTY: Greenlee CROP: Alfalfa Hay w/Graze AREA: Duncan Valley	FARM: Greenlee County Farm ACRES: 1.0 YIELD: 9.5 Tn/Acre	WATER SOURCE: IRRIGATION SYSTEM: PREVIOUS CROP:	DEastN : Flood Basin Alfalfa Hay	TILLAGE: Conventional SOIL: Sandy-Loam DATE: 10/04/96
First No. Month Times Operation	Equipment/Custom Oper. HP Self-Prop./Implem			— Service Cost Labor /Unit \$/Unit Type
4 May 6.0 Swathing 5 May 6.0 Baling 6 May 6.0 Roadsiding	Ground 100 Fertilizer Broadcast  Ground 100 Saddle Tk Sprayer, 2 Windrower, 14.0', H: 100 Baler, 2 Wire Auto 1 Bale Wagon, SP PRC Mi/Ac Pickup Truck, 1/2 Te	3.18 Water, Pump 2 Tk 6.00 Carbofuran 5, S 5.00 PTO 4.00 Baling Wire (6 3.00	6.00 AI 1 1.00 Pt 6	5.00 Tn Tractor 1.38 AF Irrigator 0.67 Ga Tractor Harvest 6.57 TF Tractor Harvest

<sup>\*</sup> NOTE: Machine times, labor times, and material rates are for one time over the designated acreage.