COUNTY: Greenlee CROP: Alfalfa Hay AREA: Duncan Valley FARM: Greenlee County 98
ACRES: 1.0
YIELD: 9.5 Tn / Acre

WATER SOURCE: Duncan East, Nat Gas IRRIGATION SYSTEM: Flood Basin PREVIOUS CROP: Cotton, Upland

TILLAGE: Conventional SOIL: Sandy-Loam DATE: 2/4/99

ltem	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME Hay	Ton	9.50	\$96.70	\$918.65	\$918.65	
CASH LAND PREPARATION AND Paid Labor (including benefits) Tractor/Self Propelled Irrigation	GROWING EXPENSES (in	cluding sales tax)		1.92 33.43	35.34	
Chemicals and Custom Applica Fertilizer Insecticide	tions			29.96 10.02	39.98	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				0.79 0.91	1.70	
Irrigation Water (excluding labo Natural Gas/Pumping Repairs and Maintenance	r)			69.57 9.05	78.63	
	TOTAL CASH LAND PRE	PARATION AND GROW	/ING EXPENSES		155.64	
CASH HARVEST AND POST HAR	VEST EXPENSES					
Paid Labor (including benefits) Tractor/Self Propelled Other/Contract				12.28 26.19	38.47	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				15.24 178.20	193.44	
Other Materials					22.46	
	TOTAL HARVEST AND F	POST HARVEST EXPEN	SE		254.37	
	KUP USE				10.09	
OPERATING INTEREST AT 10.09	6				24.07	
	TOTAL CASH OPERATIN				\$444.18	
	RETURNS OVER CAS	H OPERATING EXPENS	ES		\$474.47	

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.

COUNTY:Greenlee FARM: Greenlee County 98 WATER SOURCE: Duncan East, Nat Gas CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam PREVIOUS CROP: Cotton, Upland DATE: 2/4/99

	CASH COST BASI		TOTAL COST BASIS (\$/ACRE)				
Item	Income and Costs	Net Returns	Income and Costs	Net Returns			
TOTAL INCOME at \$96.70 / Tn	\$918.65		\$918.65				
TOTAL OPERATING EXPENSES	\$444.18	0.47.4.47	\$444.18	0.47.4.47			
RETURN OVER CASH OPERATING EXPENSES		\$474.47		\$474.47			
CASH OVERHEAD EXPENSES Taxes, Housing and Insurance, Farm Machinery	13.40		13.40				
Wells and Irrigation System	5.37		5.37				
General and Office Overhead (5.0% of Total Operating Exp.)	22.21		22.21				
General Farm Maintenance (3.0% of Total Operating Exp.)	13.33		13.33				
Total Cash Overhead Expenses	54.31		54.31				
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER, AND OVER, EXPENSES	498.49	\$420.16	498.49	\$420.16			
		Ф420.16		Ђ420.16			
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles			89.72				
Wells and Irrigation System			55.23				
Interest on Equity, Machinery and Vehicles			7.14				
Wells and Irrigation System	04.04		14.19				
Stand Establishment (3 year crop)	91.01		91.01				
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK -	91.01	\$329.14	257.30				
RETURNS TO LAND, MANAGEMENT AND RISK			>	\$162.86			
Land Cost / Ownership (100% Equity)							
Property Taxes (\$400.00 X 16.0% X 0.084)	5.44		5.44				
Opportunity Interest on Land (100% X 6.0 X \$400.00)			24.00				
Total Land Costs	5.44		29.44				
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	>	\$323.71		#400.40			
RETURNS TO MANAGEMENT AND RISK			>	\$133.42			
Management Services (8% of Total Operation Expenses)			35.53				
TOTAL OWNERSHIP COST	150.76		376.58				
TOTAL COST	\$594.94		\$820.76				
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	>	\$323.71		\$97.89			
NETOKINO TO KIOK (FROFITO)				EO. 1 E			
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$46.76		\$46.76			
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$15.87		\$39.64			
BREAK-EVEN PRICE TO COVER TOTAL COST		\$62.63		\$86.40			

COUNTY:Greenlee FARM: Greenlee County 98 WATER SOURCE: Duncan East, Nat Gas TILLAGE: Conventional CROP: Alfalfa Hay ACRES: Sandy-Loam 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: YIELD: 9.5 Tn / Acre PREVIOUS CROP: AREA: Duncan Valley Cotton, Upland 2/4/99 DATE:

	First		Hour	s *	Operati	ng Costs (\$/ACRE *) Per Opera	tion		Tot. Cash	
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor Cu	ust/Serv. Materials	Total	Times	Expenses	Class
1	Mar	Apply Fert/Ground	0.060	0.067	0.45	0.55	29.96	30.96	1.0	30.96	G
2	Mar	Irrigate		0.314	6.05	2.57		8.62	13.0	112.05	G
3	Apr	Apply Insect./Ground	0.150	0.167	1.25	1.37	10.02	12.63	1.0	12.63	G
4	May	Swathing	0.180	0.200	2.67	1.64		4.30	6.0	25.83	Н
5	May	Baling	0.225	0.250	3.32	2.05	3.74	9.11	6.0	54.67	Н
6	May	Roadsiding	0.300	0.333	26.25	2.73		28.98	6.0	173.87	Н
	•	Pickup Use40 Mi/Acre	1.333		10.09					10.09	
		Operating Interest at 10.0					24.07			24.07	
				тот	ΓAL CASH OPE	RATING E	XPENSES (includes a	Il times ove	er):	444.18	Т

*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.

Land Preparation (L)	0.00
Growing (G)	155.64
Harvest (H)	254.37
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	34.16
Total (T)	\$444.18

SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)

Prices		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Yields		\$72.52	\$87.03	\$96.70	\$106.37	\$120.88	Break-even Price
- 25%	7.1	141.78	245.13	314.02	382.92	486.27	52.63
- 10%	8.6	206.97	330.99	413.67	496.34	620.36	48.32
Budgeted	9.5	250.43	388.23	480.09	571.96	709.76	46.16
+ 10%	10.4	293.89	445.47	546.52	647.57	799.15	44.40
+ 25%	11.9	359.09	531.33	646.16	761.00	933.24	42.29
Break-even Y	ield	4.03	3.06	2.63	2.31	1.96	

FARM: Greenlee County 98 COUNTY:Greenlee WATER SOURCE: Duncan East, Nat Gas TILLAGE: Conventional CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Duncan Valley YIELD: 9.5 Tn / Acre PREVIOUS CROP: 2/4/99 Cotton, Upland DATE:

		Water				Ор	eratiı	ng Costs (\$/A			
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	s Lak	oor	Chemicals	Other Purchases	Services	Total
MAR C	1.0	6.0	0.38		6.50		3.12	29.96			39.58
APR C	2.0	12.0	1.58		45.58		2.92	10.02	3.74		72.26
MAY C	2.0	12.0	1.41		44.34		1.55		3.74		59.63
JUN C	2.0	12.0	1.41		44.34		1.55		3.74		59.63
JUL C	2.0	12.0	1.41		44.34		1.55		3.74		59.63
AUG C	2.0	12.0	1.41		44.34		1.55		3.74		59.63
SEP C	2.0	12.0	1.41		44.34		1.55		3.74		59.63
Pickup Use					10.09	9					10.09
Operating Ir	terest at 10.0									24.07	24.07
Total	13.0	78.0	9.01	1	283.86		3.81	39.98	22.46	24.07	444.18
%					63.91	1	6.62	9.00	5.06	5.42	100.00
Total N Total P Total K Total Labo Total Wate	er	22.0 104.0 0.0 9.0 78.0	. ,	Diesel F Unleade	d Gas /Pumping	21.0 4.0 168.5 20.3	Gal Gal	erms			
	T REQUIREM										
	on, SP PRC		80 Hr	Baler, 2 Wire Auto	-	1.35 Hr			Broadcaster,	0.06 Hr	
	uck, 1/2 Ton		33 Hr	Saddle Tk Spraye	r, 2 1K 8	0.15 Hr		Tractor, 10	00 PTO HP,	1.56 Hr	
vvinarowe	er, 14.0', HS, \$	SC 1.	08 Hr								
11-52-00	,	200.	00 [°] Lb	Baling Twine (650	00')	3.24 TF		Carbofura	n	1.00 Pt	
Water, Pu	ımp	/8.	00 AI								
LABOR REG	QUIREMENT	(per Acre)									
Harvest		\ I /	20 Hr	Irrigators		4.08 Hr		Tractor		1.73 Hr	
*NOTE: F	= Previous Y	ear C = Cu	rrent Year N =	Next Year							

COUNTY:Greenlee FARM: Greenlee County 98 WATER SOURCE: Duncan East, Nat Gas TILLAGE: Conventional CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin Sandy-Loam SOIL: AREA: Duncan Valley YIELD: 9.5 Tn / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/4/99

N	First o.Month	Times	Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr				 te \$/Ur		Service Cost \$ / Unit	Labor Type
1	Mar	1.0	Apply Fert/Ground	100 Fertilizer Broadcaster,	15.00	11-52-00, Dry	200.00	Lb	284.00	Tn		Tractor
2	Mar	13.0	Irrigate		3.18	Water, Pump	6.00	ΑI	12.10	ΑF		Irrigators
3	Apr	1.0	Apply Insect./Ground	100 Saddle Tk Sprayer, 2 Tk 8	6.00	Carbofuran	1.00	Pt	75.95	Ga		Tractor
4	May	6.0	Swathing	Windrower, 14.0', HS, SC	5.00							Harvest
5	May	6.0	Baling	100 Baler, 2 Wire Auto PTO	4.00	Baling Twine (6500')	0.54	TF	6.57	TF		Tractor
6	May	6.0	Roadsiding Pickup use 40 Mi/Ac	Bale Wagon, SP PRC Pickup Truck, 1/2 Ton	3.00 0.75	3 (3333)						Harvest

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