COUNTY: Graham CROP: Alfalfa Hay AREA: Safford Valley FARM: Graham County 98 ACRES: 1.0

0.0 Tn / Acre

YIELD:

WATER SOURCE: Surface/Pump IRRIGATION SYSTEM: Flood Basin PREVIOUS CROP: Wheat, Winter

TILLAGE: Double Crop SOIL: Sandy-Loam DATE: 2/4/99

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME Hay	Ton	0.00	\$0.00	\$0.00	\$0.00	
CASH LAND PREPARATION AND GRO Paid Labor (including benefits) Tractor/Self Propelled Irrigation Other/ Contract	OWING EXPENSES (inc	cluding sales tax)		26.90 9.50 0.34	36.74	
Chemicals and Custom Applications Fertilizer				29.96	29.96	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				14.55 24.55	39.10	
Irrigation Water (excluding labor) Pump Energy - Electric Repairs and Maintenance Water Assessment (See Note Below	) **			4.63 0.38	5.01	
Other Purchased Inputs & Seed/Transplants				65.94	65.94	
TC	TAL CASH LAND PRE	PARATION AND GROW	ING EXPENSES		176.75	
CASH HARVEST AND POST HARVES	T EXPENSES					
TC	TAL HARVEST AND PO	OST HARVEST EXPENS	3E		0.00	
OPERATING OVERHEAD PICKUP UOPERATING INTEREST AT 10.0%	JSE				7.57 4.28	
	OTAL CASH OPERATIN RETURNS OVER CASH	G EXPENSES I OPERATING EXPENSE	ΞS		\$188.60 (\$188.60)	

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

<sup>\*\*</sup> A water assessment charge of \$12.50 per Acre is included as an ownership cost in Table B.

COUNTY:Graham FARM: Graham County 98 WATER SOURCE: Surface/Pump TILLAGE: Double Crop CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Safford Valley YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/4/99

ltem	CASH COST BASI	S (\$/ACRE) Net Returns	TOTAL COST BAS	SIS (\$/ACRE) Net Returns
TOTAL INCOME at \$0.00 / Tn	\$0.00	Not Notallis	\$0.00	Not Notaliio
TOTAL OPERATING EXPENSES	\$188.60		\$188.60	
RETURN OVER CASH OPERATING EXPENSES	ψ.σσ.σσ	(\$188.60)	<b></b>	(\$188.60)
CASH OVERHEAD EXPENSES Taxes, Housing and Insurance, Farm Machinery Wells and Irrigation System General and Office Overhead (5.0% of Total Operating Exp.) General Farm Maintenance (3.0% of Total Operating Exp.)	4.08 1.80 9.43 5.66		4.08 1.80 9.43 5.66	
Total Cash Overhead Expenses	20.97		20.97	
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	209.57	(\$209.57)	209.57	(\$209.57)
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Wells and Irrigation System Interest on Equity, Machinery and Vehicles Wells and Irrigation System  Total Capital Allocations		(\$000.57)	22.83 3.40 8.33 1.23 35.79	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK RETURNS TO LAND, MANAGEMENT AND RISK			>	(\$245.36)
Land Cost / Ownership (100% Equity) Property Taxes (\$600.00 X 16.0% X 0.093) Opportunity Interest on Land (100% X 6.0 X \$600.00) Water Assessment	4.46 12.50		4.46 18.00 12.50	
Total Land Costs	16.96		34.96	
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	>	(\$226.54)	>	(\$280.33)
Management Services (8% of Total Operation Expenses)			15.09	(*,
TOTAL OWNERSHIP COST	37.94		106.81	
TOTAL COST RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	\$226.54 >	(\$226.54)	\$295.42	(\$295.42)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb ) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST				

COUNTY:Graham FARM: Graham County 98 WATER SOURCE: Surface/Pump TILLAGE: Double Crop CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin Sandy-Loam SOIL: AREA: Safford Valley YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter 2/4/99 DATE:

	First Hours *				Operating Costs (\$/ACRE *) Per Operation				Tot. Cash			
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor Cu	st/Serv. Materials	Total	Times	Expenses	Class	
1	Jul	Disk	0.300	0.333	4.47	2.73		7.19	3.0	21.58	L	
2	Aug	Plow	0.900	1.000	14.90	8.19		23.09	1.0	23.09	L	
3	Aug	Landplane	0.273	0.303	2.32	2.48		4.80	2.0	9.60	L	
4	Aug	Apply Fert/Ground	0.225	0.250	1.69	2.05	29.96	33.70	1.0	33.70	G	
5	Sep	Plant	0.300	0.330	3.47	2.70	65.94	72.11	1.0	72.11	L	
6	Sep	Disk Ends	0.045	0.050	0.67	0.41		1.08	1.0	1.08	G	
7	Sep	Buck Rows	0.045	0.100	0.33	0.75		1.08	1.0	1.08	G	
8	Sep	Irrigate		0.403		2.75		2.75	2.1	5.78	G	
9	Sep .	Irrigate		0.607	5.56	4.14		9.70	0.9	8.73	G	
		Pickup Use30 Mi/Acre	1.000		7.57					7.57		
		Operating Interest at 10.0					4.28			4.28		
	TOTAL CASH OPERATING EXPENSES (includes all times over):								188.60	Т		

<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.

A water assessment charge of \$12.50 per Acre is included as an ownership cost in Table B.

## OPERATING COST SUMMARY BY CLASS

Land Preparation (L)	126.39
Growing (G)	50.36
Harvest (H)	0.00
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	11.85
Total (T)	#400 CO
Total (T)	\$188.60

COUNTY:Graham FARM: Graham County 98 WATER SOURCE: Surface/Pump TILLAGE: Double Crop CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin Sandy-Loam SOIL: 0.0 Tn / Acre PREVIOUS CROP: 2/4/99 YIELD: AREA: Safford Valley Wheat, Winter DATE:

		Water		Operating Costs (\$/ACRE *)							
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	. La	bor (	Chemicals	Other Purchases	Services	Total
JUL C			0.33		4.47		2.73				7.19
AUG C SEP C	2.0	12.0	2.52 1.41		30.16 7.81		0.65 0.20	29.96	65.94		80.78 83.94
OCT C	1.0	6.0	0.46		1.67		3.17		05.54		4.84
Pickup Use3					7.57	,					7.57
Operating In Water Asses	terest at 10.0 ssment			**						4.28	4.28
Total %	3.0	18.0	4.73		51.68 27.40		6.74	29.96	65.94	4.28	188.60 100.00
%				1	27.40	1	9.48	15.89	34.96	2.27	100.00
TOTAL RES	OURCE REQ	UIREMENT	S (per Acre)	TOTAL ENE	RGY REQUIR	EMENTS (	per Acı	re)			
Total N		22.0		Diesel F		19.1	Gal				
Total P Total K		104.0 0.0		Unleade		3.0 59.7	Gal KWH				
Total Labo	nr.	0.0 4.7			Pumping t Energy	3.2	M BT				
Total Wate		18.0		7 til 2 ii 30	t Enorgy	0.2	5 .	J			
EOI IIDMENI	T REQUIREM	ENTS ( per	Acre)								
	Broadcaster,	\ .	.22 Hr	Grain Drill 12' W/F	ert Box	0.30 Hr		Landplane	12'X 45'	0.55 Hr	
	d Plow, 3-16 2	· 0.	.90 Hr	Offset Disk, 13.5'		0.95 Hr			ıck, 1/2 Ton	1.00 Hr	
Rowbuck,			.05 Hr	Tractor, 100 PTO	HP,	1.12 Hr		Tractor, 12	25 PTO HP	0.95 Hr	
Tractor, 1	50 PTO HP	0.	.90 Hr								
MATERIALS	REQUIREME	ENT ( per A	cre)								
11-52-00,			.00 Lb	Alfalfa Sd, Cert	2	5.00 Lb		Water, Dis	trict	12.60 AI	
Water, Pu	ımp	5.	.40 AI								
	NIIDEMENT /	ner Acre)									
LABOR REC											

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

<sup>\*\*</sup> A water assessment charge of \$12.50 per Acre is included as an ownership cost in Table B.

FARM: Graham County 98 COUNTY:Graham WATER SOURCE: Surface/Pump TILLAGE: Double Crop CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam YIELD: 0.0 Tn / Acre PREVIOUS CROP: 2/4/99 AREA: Safford Valley Wheat, Winter DATE:

N	First o.MonthT	imes Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr		l Use and Cost Appl. Ra	te \$ / Unit	Service Cost \$ / Unit	Labor Type
1	Jul	3.0 Disk	125 Offset Disk, 13.5'	3.00				Т	ractor
2	Aug	1.0 Plow	150 Moldboard Plow, 3-16 2	1.00				T	ractor
3	Aug	2.0 Landplane	100 Landplane 12'X 45'	3.30				T	ractor
4	Aug	1.0 Apply Fert/Ground	100 Fertilizer Broadcaster,	4.00	11-52-00, Dry	200.00 Lb	284.00 Tr	n T	ractor
5	Sep	1.0 Plant	100 Grain Drill 12' W/Fert Box	3.00	Alfalfa Sd, Cert	25.00 Lb	250.00 CW	/ Т	ractor
6	Sep	1.0 Disk Ends	125 Offset Disk, 13.5'	20.00				Т	ractor
7	Sep	1.0 Buck Rows	100 Rowbuck, 10'	20.00				Т	ractor
			,						Other
8	Sep	2.1 Irrigate		2.50	Water, District	6.00 AI	0.00 AF	Ē	rrigators
9	Sep	0.9 Irrigate		1.60	Water, Pump	6.00 AI	11.12 AF		rrigators
		Pickup use 30 Mi/Ac	Pickup Truck, 1/2 Ton	1.00	, , ,				<b>5</b>

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