COUNTY: CROP: AREA:	Graham Alfalfa Hay Safford Valley	FARM: Graham ACRES: YIELD:	County Farm 1.0 0.0 Tn/Acre		WATER SOURCE: IRRIGATION SYSTEM: PREVIOUS CROP:	Both Flood Basin Wheat, Winter	SOI	
It	em		Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
Pai Che Far	ND PREPARATION AND G d Labor (including be Tractor/Self Property of the Contract micals & Custom Appl. Fertilizers m Machinery and Vehic Diesel Fuel Repairs & Maint. igation (excluding 1) Pump Energy - Ele Repairs & Maint.	enefits) pelled ications cles abor)	(including sa	les tax)		27.63 9.76 0.35 33.08 15.97 17.63 5.93 0.38	37.74 33.08 33.60 6.30	
	er Assessment (See Ne er Purchased Inputs Seed/Transplants	& Services				55.13	** 55.13	
CYCH HY	TO RVEST AND POST HARVE	TAL CASH LAND PF	REPARATION AND	GROWING EX	PENSES		165.84	
CASII IIA		TAL HARVEST AND	POST HARVEST I	EXPENSE			0.00	
	NG OVERHEAD->PICKUP						7.43 3.78	
		TAL CASH OPERATI RETURNS OVER CAS		XPENSES		(\$177.05 \$177.05)	

Notes: The above figures do not include ownership costs, see Table 4B on Next Page for detailed cost allocation.

** A water assessment charge of \$17.50/Acre is included in the ownership costs of Table 4B.

COUNTY: Graham FARM: Graham County Farm WATER SOURCE: Both TILLAGE: Double-Crop Sandy-Loam 1.0 CROP: Alfalfa Hay IRRIGATION SYSTEM: Flood Basin SOIL: ACRES: Safford Valley 0.0 Tn/Acre 10/14/96 AREA: YIELD: PREVIOUS CROP: Wheat, Winter DATE:

		CROP. WHEAT,	winter DATE.	10/14/90
Item	- CASH COST BASIS Income & Costs	(\$/ACRE) - Net Returns	- TOTAL COST BASI Income & Costs	S (\$/ACRE) - Net Returns
TOTAL INCOME at \$ 0.0000/Tn	\$0.00		\$0.00	
TOTAL OPERATING EXPENSES	177.05	****	177.05	
RETURN OVER CASH OPERATING EXPENSES	(\$177.05)		(\$177.05)
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	3.55		j 3.55	
Wells & Irrig. System	1.84		1.84	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	8.85		8.85	
General Farm Maint. (3% of Tot. Oper. Exp.)	5.31		5.31	
Total Cash Overhead Expenses	19.55		 <u>19.55</u>	
			!	
Total Cash Oper. & Over. Cost	196.60	400.00	196.60	
RETURNS OVER CASH OPER. & OVER. EXPENSES.	(196.60)	ļ	(196.60)
CAPITAL ALLOCATIONS (100% Equity)			-	
Capital Replacement, Machinery & Vehicles			19.51	
Wells & Irrig. System			3.29	
Interest on Equity, Machinery & Vehicles			7.13	
Wells & Irrig. System			1.25	
Wells a lilig. System			1	
Total Capital Allocations			31.17	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		196.60)	1	
RETURNS TO LAND, MANAGEMENT & RISK				(227.78)
TAND COCHE / OFFICE CUIT /1000 E			!	
LAND COSTS / OWNERSHIP (100% Equity) Property Taxes (\$660 X 16% X .10016)	5.28		I I 5.28	
Opport. Inter. on Land (100% X 6.0% X \$660)	3.20		1 19.80	
Water Assessment **	17.50		17.50	
Water Assessment			i 	
Total Land Costs	22.78		42.58	
RETURNS TO MANAGEMENT, CAPITAL & RISK		219.39)	i	
RETURNS TO MANAGEMENT & RISK	<u>`</u>	·	·	(270.37)
			!	
Management Services (8% of Tot. Oper. Exp.)			14.16	
TOTAL OWNERSHIP COST	42.34		107.48	
	========		========	
TOTAL COST	\$219.39		\$284.53	
RETURN TO MANAGEMENT CAPITAL & RISK	·>(\$219.39)	i	
RETURN TO RISK (PROFITS)	·	<u> </u>	·	(\$284.53)

CRO ARE		alfalfa Hay AC	ARM: GI CRES: CELD:	raham Coun 1.0 0.0	ty Farm Tn/Acre	è	IRRIG	SOURCE: ATION SYSTED OUS CROP:	Both M: Flood Bas Wheat, Wi		TIL: SOI: DAT:	L: Sand	le-Crop y-Loam 4/96
	First				rs * -				(\$/Acre*) -			Tot. Cash	
No.	Month	Operation		Machine	Labor	Fuel/Rps	s. Labor	Cust/Ser.	Materials	Total	Times	Expense	Class
1	Jul	Disk		0.300	0.333	3.59	2.80			6.39	3.0	19.18	L
2	Aug	Plow		0.900	1.000	10.54	8.41			18.95	1.0	18.95	L
3	Aug	Landplane		0.273	0.303	2.74	2.55			5.29	2.0	10.59	L
4	Aug	Apply Fert/Ground		0.225	0.250	2.04	2.10		33.08	37.22	1.0	37.22	G
5	Sep	Plant		0.300	0.330	3.83	2.78		55.13	61.74	1.0	61.74	L
6	Sep	Disk Ends		0.045	0.050	0.54	0.42			0.96	1.0	0.96	G
7	Sep	Buck Rows		0.045	0.100	0.39	0.77			1.16	1.0	1.16	G
8	Sep	Irrigate			0.403		2.82			2.82	2.1	5.92	G
9	Sep	Irrigate			0.607	7.00	4.25			11.25	0.9	10.13	G
	-	Pickup Use 30 Mi/Ac		1.000		7.43						7.43	0
		Operating Interest at	8.00%					3.89				3.89	0
		TOTAL CASH OPERATING E	EXPENSES	S:		\$47.33	\$37.73	\$3.89	\$88.21		-	\$177.16	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. A water assessment charge of \$17.50/Acre included as ownership cost in Table 4B.

OPERATING COST SUMMARY BY	CLASS
Land Preparation (L)	\$110.45
Growing (G)	55.38
Harvest (H)	0.00
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	11.32
Total (T)	\$177.15

COUNTY: Graham CROP: Alfalfa Hay AREA: Safford Valley			FARM: Gr ACRES: YIELD:		County Farm 1.0 0.0 Tn/Acre	I	ATER SOU RRIGATION REVIOUS (oth lood Basin heat, Winter	TILLAGE: Double-Crop SOIL: Sandy-Loam DATE: 10/14/96			-Loam	
		Water	Total	<u> </u>				ting Cost (_	
Month *	Number Irrig.		Labor (Hrs)		Purchased Water	Fuel, Oil & Repairs		Chemical	Other s Purchases	Services	Тс	tal	
JUL C			0.33	į		3.59	2.80					5.39	
AUG C SEP C	2.0	12.0	2.52 1.40	- !		25.25 8.96	21.21 10.47	33.08	55.13).54 !.56	
OCT C	1.0	6.0	0.46	i		2.10	3.25		33.13			5.35	
	Use 30 M			•		7.43						.43	
	ng Intere ssessment	est at 8.0%			**					3.90	3	3.90	
Total	3.0	18.0	4.72			47.33 26.71	37.74 21.29	33.08 18.67	55.13 31.11	3.90		7.17	
				'									
TOTAL R	ESOURCES	REQUIREMENTS (/Acre)	T	OTAL ENERGY RE	QUIREMENTS	(/Acre)						
Total	N	22.0 lbs	•		Diesel Fuel	~	14.6	Gal					
Total		104.0 lbs 0.0 lbs			Regular Gas		0.0 3.0	Gal Gal					
Total	Labor	4.7 Hrs			NonLead Gas Electricity/E	Pumping	59.7	Gai KWH					
	Water	18.0 AI			All Direct Er		2.6	M BTU					
EOUIPME	NT REOUIF	EMENTS (/Acre)											
Tract	or, 100 E	TO HP, MFWD	2.96		Offset Disk,				Moldboard Plow				90 Hrs
	lane 12'X	45'			Fertilizer Br		Towed	0.23 Hrs	Grain Drill 12	'W/Fert	Box	0.	30 Hrs
Rowbu	ck, 10'		0.05	Hrs	Pickup Truck,	1/2 Ton		1.00 Hrs					
матерта	T.C. DECITE	EMENTS (/Acre)											
	-00, Dry	EMENIS (/ACIE)	200.00	Lb	Alfalfa Sd, C	Cert		25.00 Lb	Water, Distric	t		12.	60 AI
Water	, Pump		5.40	AI	·				·				
LABOR R	EOUTREMEN	TS (/Acre)											
Tract		(,,	3.29	Hrs	Other			0.05 Hrs	Irrigators			1.	39 Hrs

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

^{**} A water assessment charge of \$17.50/Acre included as ownership cost in Table 4B.

CRO ARE		lfalfa	a Hay A	ARM: (CRES: IELD:	Graham County Farm 1.0 0.0 Tn/Acre	WATER SOURCE: IRRIGATION SYSTEM: PREVIOUS CROP:	Both Flood Basin Wheat, Winter	SO	LLAGE: Double-Crop IL: Sandy-Loam IE: 10/14/96
No.	First Month		operation	Eq:	uipment/Custom Oper. Self-Prop./Implem.	Job Rate — Material Acres/Hr Name	Use & Cost — Appl. Rate	— Ser: \$/Unit	rvice Cost Labor \$/Unit Type
1	Jul	3.0	Disk	100	Offset Disk, 13.5'	3.00			Tractor
2	Aug	1.0	Plow	100	•	1.00			Tractor
3	Aug	2.0	Landplane	100	Landplane 12'X 45'	3.30			Tractor
4	Aug	1.0	Apply Fert/Ground	d 100	Fertilizer Broadcaster,	4.00 11-52-00, Dry	200.00 Lb	315.00 Tn	Tractor
5	Sep		Plant	100	Grain Drill 12' W/Fert	3.00 Alfalfa Sd, Cer	t 25.00 Lb	210.00 CW	Tractor
6	Sep	1.0	Disk Ends	100	Offset Disk, 13.5'	20.00			Tractor
7	Sep	1.0	Buck Rows	100	Rowbuck, 10'	20.00			Tractor Other
8	Sep	2.1	Irrigate			2.50 Water, Distric	t 6.00 AI	0.00 AF	Irrigato
9	Sep	0.9	Irrigate Pickup Use 30 M:	i/Ac	Pickup Truck, 1/2 Ton	1.60 Water, Pump 1.00	6.00 AI	14.00 AF	Irrigato

^{*} NOTE: Machine times, labor times, and material rates are for one time over the designated acreage.
** A water assessment charge of \$17.50/Acre included as ownership cost in Table 4B.

ARIZONA COOPERATIVE EXTENSION Department of Ag & Resource Economics The University of Arizona F 9/6