COUNTY: Pinal FARM: Pinal County 98 WATER SOURCE: Central Arizona TILLAGE: Conventional CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Maricopa YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/18/99

ltem	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 GF Paid Labor (including benefits) Tractor/Self Propelled Irrigation	ROWING EXPENSES (in	cluding sales tax)		22.93 12.79	35.72	
Chemicals and Custom Application Fertilizer	S			30.10	30.10	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				12.26 18.86	31.12	
Irrigation Water (excluding labor) Water Assessment (See Note Belo	w) **				60.00	
Other Purchased Inputs & Seed/Transplants				66.25	66.25	
Т	OTAL CASH LAND PRE	PARATION AND GROW	ING EXPENSES		223.19	
CASH HARVEST AND POST HARVE	ST EXPENSES					
Т	OTAL HARVEST AND F	OST HARVEST EXPEN	SE		0.00	
OPERATING OVERHEAD PICKUP OPERATING INTEREST AT 10.0%	USE				7.71 3.06	
1	OTAL CASH OPERATIN RETURNS OVER CASH	IG EXPENSES HOPERATING EXPENS	ES		\$233.95 (\$233.95)	

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

^{**} A water assessment charge of \$19.80 per Acre is included as an ownership cost in Table B.

COUNTY:Pinal FARM: Pinal County 98 WATER SOURCE: Central Arizona TILLAGE: Conventional IRRIGATION SYSTEM: Flood Basin CROP: Alfalfa Hay ACRES: 1.0 SOIL: Sandy-Loam AREA: Maricopa YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/18/99

	CASH COST BASIS	S (\$/ACRE)	TOTAL COST BASIS (\$/ACRE)		
ltem	Income and Costs	Net Returns	Income and Costs	Net Returns	
TOTAL INCOME at \$0.00 / Tn	\$0.00		\$0.00		
TOTAL OPERATING EXPENSES	\$233.95	(#000 OF)	\$233.95	(\$000 OF)	
RETURN OVER CASH OPERATING EXPENSES		(\$233.95)		(\$233.95)	
CASH OVERHEAD EXPENSES Taxes, Housing and Insurance, Farm Machinery	3.27		3.27		
General and Office Overhead (5.0% of Total Operating Exp.)	11.70		11.70		
General Farm Maintenance (3.0% of Total Operating Exp.)	7.02		7.02		
Total Cash Overhead Expenses	21.99		21.99		
Total Cash Operating and Overhead Cost	255.93	(¢055 00)	255.93	(¢255 02)	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		(\$255.93)		(\$255.93)	
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles			17.46		
Interest on Equity, Machinery and Vehicles			8.54		
Total Capital Allocations			26.00		
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK	>	(\$255.93)		(000 (00)	
RETURNS TO LAND, MANAGEMENT AND RISK			 >	(\$281.93)	
Land Cost / Ownership (100% Equity)					
Property Taxes (\$447.00 X 16.0% X 0.169) Opportunity Interest on Land (100% X 6.0 X \$447.00)	12.15		12.15 26.82		
Water Assessment	19.80		19.80		
Total Land Costs	31.95		58.77		
RETURNS TO CAPITAL, MANAGEMENT AND RISK	>	(\$287.89)	33.77		
RETURNS TO MANAGEMENT AND RISK			>	(\$340.70)	
Management Services (8% of Total Operation Expenses)			18.72		
TOTAL OWNERSHIP COST	53.94		125.47		
TOTAL COST	\$287.89		\$359.42		
RETURNS TO CAPITAL, MANAGEMENT AND RISK		(\$287.89)		(0.50, 40)	
RETURNS TO RISK (PROFITS)			 >	(\$359.42)	
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)					
BREAK-EVEN PRICE TO COVER OWNERSHIP COST					
BREAK-EVEN PRICE TO COVER TOTAL COST					

COUNTY:Pinal FARM: Pinal County 98 WATER SOURCE: TILLAGE: Conventional Central Arizona ACRES: IRRIGATION SYSTEM: Flood Basin CROP: Alfalfa Hay 1.0 SOIL: Sandy-Loam AREA: Maricopa YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/18/99

	First Hours *			Operating Costs (\$/ACRE *) Per Operation					Tot. Cash		
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor Cu	ıst/Serv. Materials	Total	Times	Expenses	Class
1	Aug	Disk	0.225	0.250	3.92	2.05		5.97	2.0	11.94	L
2	Aug	Rip	0.600	0.667	7.76	5.46		13.22	1.0	13.22	L
3	Sep	Apply Fert/Ground	0.075	0.083	0.42	0.68	30.10	31.20	1.0	31.20	G
4	Sep	Laser Level	0.900	1.000	10.71	8.19		18.90	1.0	18.90	L
5	Sep	Make Borders	0.045	0.050	0.53	0.41		0.94	1.0	0.94	G
6	Sep	Mulch	0.225	0.250	1.64	2.05		3.68	1.0	3.68	L
7	Sep .	Plant	0.225	0.250	2.22	2.05	66.25	70.52	1.0	70.52	L
8	Sep .	Irrigate		1.124		7.67	36.00	43.67	1.0	43.67	G
9	Sep	Irrigate		0.375		2.56	12.00	14.56	2.0	29.12	G
	•	Pickup Use30 Mi/Acre	1.000		7.71					7.71	
		Operating Interest at 10.0					3.06			3.06	
TOTAL CASH OPERATING EXPENSES (includes all times over):								233.95	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.

A water assessment charge of \$19.80 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS

Land Preparation (L) Growing (G) Harvest (H) Post Harvest (P) Marketing (M)	118.26 104.93 0.00 0.00
Operating Overhead (O)	10.77
Total (T)	\$233.95

COUNTY:Pinal FARM: Pinal County 98 WATER SOURCE: Central Arizona TILLAGE: Conventional CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin 1.0 SOIL: Sandy-Loam AREA: Maricopa YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/18/99

· · · · · · · · · · · · · · · · · · ·	- 	Water		Operating Costs (\$/ACRE *)							
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total	
WIOTILIT	irrigations	(IIICIIES)	Labor (HIS)	vvalei	and Repairs	Labor	Cileillicais	Fulcilases	Services	TOLAI	
AUG C			0.92		11.68	7.51				19.19	
SEP C	1.0	8.0	2.51	24.00	18.33	19.51	30.10	33.13		125.07	
OCT C	1.0	8.0	0.87	24.00	1.11	6.14		33.13		64.37	
NOV C	0.5	2.0	0.19	6.00		1.28				7.28	
DEC C	0.5	2.0	0.19	6.00		1.28				7.28	
Pickup Use:				I	7.71					7.71	
	terest at 10.0								3.06	3.06	
Water Asses	ssment			**							
Total	3.0	20.0	4.67	60.00	38.82	35.72	30.10	66.25	3.06	233.95	
%				25.65	16.59	15.27	12.87	28.32	1.31	100.00	
Total K Total Labo Total Wate		0.0 4.7 20.0		All Direct	t Energy	2.6 M	BTU				
EQUIPMEN	T REQUIREM	MENTS (per	Acre)								
Border Di	sk, Heavy Du	ty 0.	05 Hr	Cultipacker, 13'	().22 Hr	Drag Scra	per, 10'	0.90 Hr		
	Broadcaster,		08 Hr	Grain Drill, 14').22 Hr		mplete System	0.90 Hr		
Offset Dis	,		45 Hr	Pickup Truck, 1/2		.00 Hr		70 PTO HP,	0.30 Hr		
,	00 PTO HP,		22 Hr	Tractor, 125 PTO I	HP 1	.54 Hr	Tractor, 1	50 PTO HP	0.45 Hr		
V-Ripper,	5 Shnk	0.	60 Hr								
MATERIALS	REQUIREM	ENT (per A	cre)								
11-52-00		\ !	00 Lb	Alfalfa Sd, Cert	25	5.00 Lb	Water, Dis	strict	20.00 AI		
LABOR DE		(m = n A = n s)									
Irrigators	QUIREMENT		87 Hr	Tractor	2	2.80 Hr					
			O. III	1140101							

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

^{**} A water assessment charge of \$19.80 per Acre is included as an ownership cost in Table B.

COUNTY:Pinal FARM: Pinal County 98 WATER SOURCE: Central Arizona TILLAGE: Conventional CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin 1.0 SOIL: Sandy-Loam AREA: Maricopa YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/18/99

N	First o.Month l	Times Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr		ial Use and Cost Appl. Rate \$ / Unit	Service Cost Labor \$ / Unit Type
1	Aug	2.0 Disk	150 Offset Disk, 16.5'	4.00			Tractor
2	Aug	1.0 Rip	125 V-Ripper, 5 Shnk	1.50			Tractor
3	Sep	1.0 Apply Fert/Ground	70 Fertilizer Broadcaster,	12.00	11-52-00, Dry	200.00 Lb 284.00 Ti	n Tractor
4	Sep	1.0 Laser Level	125 Drag Scraper, 10' Laser, Complete System	1.00	. ,		Tractor
5	Sep	1.0 Make Borders	125 Border Disk, Heavy Duty	20.00			Tractor
6	Sep	1.0 Mulch	100 Cultipacker, 13'	4.00			Tractor
7	Sep	1.0 Plant	70 Grain Drill, 14'	4.00	Alfalfa Sd, Cert	25.00 Lb 250.00 CV	V Tractor
8	Sep	1.0 Irrigate	•		Water, District	12.00 AI 36.00 AI	- Irrigators
9	Sep	2.0 Irrigate			Water, District	4.00 AI 36.00 AI	S .
		Pickup use 30 Mi/Ac	Pickup Truck, 1/2 Ton	1.00			

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