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

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 Paid Labor (including benefits) Tractor/Self Propelled Irrigation	GROWING EXPENSES (in	cluding sales tax)		22.38 6.82	29.21	
Chemicals and Custom Applicat Fertilizer Herbicide	ions			34.90 35.86	70.76	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				11.31 13.65	24.96	
Irrigation Water (excluding labor Water Assessment (See Note B					0.00	
Other Purchased Inputs & Seed/Transplants				66.09	66.09	
	TOTAL CASH LAND PRE	PARATION AND GROW	/ING EXPENSES		191.02	
CASH HARVEST AND POST HAR	VEST EXPENSES					
	TOTAL HARVEST AND F	OST HARVEST EXPEN	SE		0.00	
OPERATING OVERHEAD PICK OPERATING INTEREST AT 10.0%	UP USE				7.64 3.58	
	TOTAL CASH OPERATIN	NG EXPENSES H OPERATING EXPENS	ES		\$202.25 (\$202.25)	

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

^{**} A water assessment charge of \$20.00 per Acre is included as an ownership cost in Table B.

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

Item	CASH COST BASIS	S (\$/ACRE) Net Returns	TOTAL COST BAS	SIS (\$/ACRE) Net Returns
TOTAL INCOME at \$0.00 / Tn TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$0.00 \$202.25	(\$202.25)	\$0.00 \$202.25	(\$202.25)
CASH OVERHEAD EXPENSES Taxes, Housing and Insurance, Farm Machinery General and Office Overhead (5.0% of Total Operating Exp.) General Farm Maintenance (3.0% of Total Operating Exp.)	2.98 10.11 6.07		2.98 10.11 6.07	
Total Cash Overhead Expenses	19.16		19.16	
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	221.41	(\$221.41)	221.41	(\$221.41)
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles			15.02 8.94	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISKRETURNS TO LAND, MANAGEMENT AND RISK			23.96	(\$245.37)
Land Cost / Ownership (100% Equity) Property Taxes (\$619.00 X 16.0% X 0.141) Opportunity Interest on Land (100% X 6.0 X \$619.00) Water Assessment	13.98 20.00		13.98 37.14 20.00	
Total Land Costs RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	33.98	(\$255.39)	71.12	(\$316.49)
Management Services (8% of Total Operation Expenses)			16.18	
TOTAL OWNERSHIP COST	53.14		130.42	
TOTAL COST RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	\$255.39 >	(\$255.39)	\$332.67	(\$332.67)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST				

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

	First		s *	Operating Costs (\$/ACRE *) Per Operation						Tot. Cash		
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor C	ust/Serv.	Materials	Total	Times	Expenses	Class
1	Aug	Rip	0.214	0.238	2.73	2.32			5.05	1.0	5.05	L
2	Aug	Plow	0.257	0.286	3.99	2.79			6.77	1.0	6.77	L
3	Sep	Apply Fert/Ground	0.180	0.200	1.39	1.95		34.90	38.24	1.0	38.24	G
4	Sep	Laser Level	0.900	1.000	10.22	9.75			19.96	1.0	19.96	L
5	Sep	Disk	0.170	0.189	2.71	1.84			4.55	1.0	4.55	L
6	Sep	Make Borders	0.045	0.050	0.33	0.49			0.81	1.0	0.81	G
7	Sep	Plant	0.300	0.333	3.60	3.25		66.09	72.94	1.0	72.94	L
8	Sep	Irrigate		0.400		3.90			3.90	1.0	3.90	G
9	Sep	Apply Insecticide/Air					4.23	31.63	35.86	1.0	35.86	G
10	Oct	Irrigate		0.150		1.46			1.46	2.0	2.92	G
		Pickup Use30 Mi/Acre	1.000		7.64						7.64	
		Operating Interest at 10.0					3.58				3.58	
				ТОТ	TAL CASH OPE	RATING E	XPENSES	3 (includes a	Il times ove	er):	202.25	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 \$20.00 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS

Land Preparation (L)	109.28
Growing (G)	81.74
Harvest (H)	0.00
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	11.22
Total (T)	\$202.25

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

		Water		Operating Costs (\$/ACRE *)							
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	Labor	Ch	emicals	Other Purchases	Services	Total
MOHUI	irrigations	(inches)	Labor (HIS)	water	and Repairs	Labor	CII	lemicais	Purchases	Services	TOLAI
AUG C			0.52		6.72	5.1	1				11.83
SEP C	0.5	4.0	1.81		16.44	17.6		66.53	33.05	4.23	137.85
OCT C	1.5	7.0	0.52		1.80	5.0			33.05		39.88
NOV C	0.5	1.5	0.08			0.73	3				0.73
DEC C	0.5	1.5	0.08			0.73	3				0.73
Pickup Use	30 Mi/Acre			•	7.64						7.64
Operating I	nterest at 10.0									3.58	3.58
Water Asse	essment			**							
Total	3.0	14.0	3.00		32.61	29.2	1	66.53	66.09	7.81	202.25
%	0.0		0.00	1	16.12	14.4		32.90	32.68	3.86	100.00
Total P Total K		96.0 0.0		Unleade All Direct		3.0	Sal Sal 1 BTU				
				Unleade	d Gas	3.0	al				
Total K Total Lab Total War	ter	0.0 3.0 14.0		Unleade	d Gas	3.0	al				
Total K Total Lab Total Wat	T REQUIREM	0.0 3.0 14.0		Unleade All Direc	d Gas t Energy	3.0 C 2.3 M	Sal 1 BTU	Fortilizar D	Drandanska	0.40 U-	
Total K Total Lab Total Wat EQUIPMEN Border D	T REQUIREM	0.0 3.0 14.0 1ENTS (per 0.	05 Hr	Unleader All Direct	d Gas t Energy	3.0 C 2.3 M	Sal 1 BTU		Broadcaster,	0.18 Hr	
Total K Total Lab Total Wat EQUIPMEN Border D Grain Dr	IT REQUIREM Disk, 6' Disk ill, 14'	0.0 3.0 14.0 MENTS (per 0. 0.	05 Hr 30 Hr	Unleader All Direct Drag Scraper, 10' Laser, Complete S	d Gas t Energy (System (3.0 (2.3 M 0.90 Hr 0.90 Hr	Sal 1 BTU	Moldboard	Plow, 5-16 2	0.26 Hr	
Total K Total Lab Total Wat EQUIPMEN Border D Grain Dr Offset Di	IT REQUIREM Disk, 6' Disk ill, 14'	0.0 3.0 14.0 MENTS (per 0. 0. 0.	05 Hr	Unleader All Direct	d Gas t Energy (Gystem C Ton 1	3.0 C 2.3 M	Sal 1 BTU	Moldboard			
Total K Total Lab Total Wat EQUIPMEN Border D Grain Dr Offset Di Tractor,	oter NT REQUIREM Disk, 6' Disk ill, 14' isk, 18' 150 PTO HP,	0.0 3.0 14.0 MENTS (per 0. 0. 0.	05 Hr 30 Hr 17 Hr 54 Hr	Unleader All Direct Drag Scraper, 10' Laser, Complete S Pickup Truck, 1/2	d Gas t Energy (Gystem C Ton 1	3.0 C 2.3 M 0.90 Hr 0.90 Hr 1.00 Hr	Sal 1 BTU	Moldboard	Plow, 5-16 2	0.26 Hr	
Total K Total Lab Total Wat EQUIPMEN Border D Grain Dr Offset Di Tractor,	ter IT REQUIREM Disk, 6' Disk ill, 14' isk, 18' 150 PTO HP, S REQUIREM	0.0 3.0 14.0 1ENTS (per 0. 0. 0. 1.	05 Hr 30 Hr 17 Hr 54 Hr	Unleader All Direct Drag Scraper, 10' Laser, Complete S Pickup Truck, 1/2	d Gas t Energy (System (Control of the Control of	3.0 C 2.3 M 0.90 Hr 0.90 Hr 1.00 Hr	Sal 1 BTU	Moldboard Tractor, 10	I Plow, 5-16 2 00 PTO HP,	0.26 Hr	
Total K Total Lab Total Wat EQUIPMEN Border D Grain Dr Offset Di Tractor,	Iter IT REQUIREM Disk, 6' Disk III, 14' Isk, 18' 150 PTO HP, S REQUIREM D, Dry	0.0 3.0 14.0 1ENTS (per 0. 0. 0. 1. ENT (per Ac 200.	05 Hr 30 Hr 17 Hr 54 Hr cre)	Unleader All Direct Drag Scraper, 10' Laser, Complete S Pickup Truck, 1/2 ' V-Ripper, 7 Shnk	d Gas t Energy (System (Control of the Control of	3.0 C 2.3 M 0.90 Hr 0.90 Hr 0.00 Hr 0.21 Hr	Sal 1 BTU	Moldboard	I Plow, 5-16 2 00 PTO HP,	0.26 Hr 0.52 Hr	
Total K Total Lab Total Wat EQUIPMEN Border D Grain Dr Offset Di Tractor, MATERIAL 11-48-00 Water, D	Iter IT REQUIREM Disk, 6' Disk III, 14' Isk, 18' 150 PTO HP, S REQUIREM D, Dry	0.0 3.0 14.0 MENTS (per 0. 0. 0. 1. ENT (per Ad 200. 14.	05 Hr 30 Hr 17 Hr 54 Hr cre) 00 Lb	Unleader All Direct Drag Scraper, 10' Laser, Complete S Pickup Truck, 1/2 ' V-Ripper, 7 Shnk	d Gas t Energy (System (Control of the Control of	3.0 C 2.3 M 0.90 Hr 0.90 Hr 0.00 Hr 0.21 Hr	Sal 1 BTU	Moldboard Tractor, 10	I Plow, 5-16 2 00 PTO HP,	0.26 Hr 0.52 Hr	

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

^{**} A water assessment charge of \$20.00 per Acre is included as an ownership cost in Table B.

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

No	First o.MonthT	Times Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr	Mater Name	ial Use and Cost Appl. Rate		Service Cost \$ / Unit	Labor Type
1	Aug	1.0 Rip	150 V-Ripper, 7 Shnk	4.20					Tractor
2	Aug	1.0 Plow	150 Moldboard Plow, 5-16 2	3.50					Tractor
3	Sep	1.0 Apply Fert/Ground	100 Fertilizer Broadcaster,	5.00 11	-48-00, Dry	200.00 Lb 3	330.00 Tn	1	Tractor
4	Sep	1.0 Laser Level	150 Drag Scraper, 10' Laser, Complete System	1.00	•				Tractor
5	Sep	1.0 Disk	150 Offset Disk, 18'	5.30					Tractor
6	Sep	1.0 Make Borders	100 Border Disk, 6' Disk	20.00					Tractor
7	Sep	1.0 Plant	100 Grain Drill, 14'	3.00 Alf	falfa Sd, Cert	25.00 Lb 2	250.00 CW		Tractor
8	Sep	1.0 Irrigate	·	2.50 Wa	ater, District	8.00 AI	0.00 AF	•	Irrigators
9	Sep	1.0 Apply Insecticide/Air	CST Air Spray, 3 Gal Mix	lm	azethapyr	6.00 Oz 6	38.10 Ga	4.23 Ac	•
10	Oct	2.0 Irrigate	• • •	6.67 Wa	ater, District	3.00 AI	0.00 AF	;	Irrigators
		Pickup use 30 Mi/Ac	Pickup Truck, 1/2 Ton	1.00	•				ŭ

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