COUNTY: Pima FARM: Pima County 98 WATER SOURCE: Cortaro-Marana TILLAGE: Double Cropped CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin Sandy-Loam SOIL: 2/5/99 YIELD: 0.0 Tn / Acre AREA: Marana PREVIOUS CROP: Wheat, Winter DATE:

	Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME I	Hay	Ton	0.00	\$0.00	\$0.00	\$0.00	
Paid Labor (REPARATION AND GRO including benefits) Self Propelled	DWING EXPENSES (in	cluding sales tax)		17.12 6.82	23.94	
Chemicals a Fertilize	and Custom Applications				34.65	34.65	
Diesel F	nery and Vehicles iuel and Maintenance				8.79 16.53	25.32	
	ater (excluding labor) ssment (See Note Below) **				50.00	
	ased Inputs & ansplants				65.63	65.63	
	TC	TAL CASH LAND PRE	PARATION AND GROW	ING EXPENSES		199.53	
CASH HARVES	ST AND POST HARVES	T EXPENSES					
	TC	TAL HARVEST AND P	OST HARVEST EXPENS	SE		0.00	
OPERATING O OPERATING IN	VERHEAD PICKUP U	JSE				4.94 2.41	
		TAL CASH OPERATIN RETURNS OVER CASH	IG EXPENSES I OPERATING EXPENSI	ES		\$206.88 (\$206.88)	

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:Pima FARM: Pima County 98 WATER SOURCE: Cortaro-Marana TILLAGE: Double Cropped CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Marana YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/5/99

Item	CASH COST BASI	S (\$/ACRE) Net Returns	TOTAL COST BAS	IS (\$/ACRE) Net Returns
TOTAL INCOME at \$0.00 / Tn TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$0.00 \$206.88	(\$206.88)	\$0.00 \$206.88	(\$206.88)
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.)	2.86 10.34 6.21		2.86 10.34 6.21	
Total Cash Overhead Expenses Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	19.41 226.29	(\$226.29)	19.41 226.29	(\$226.29)
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles			15.64 6.03	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK RETURNS TO LAND, MANAGEMENT AND RISK	>	(\$226.29)	21.67	(\$247.96)
Land Cost / Ownership (100% Equity) Property Taxes (\$540.00 X 16.0% X 0.183) Opportunity Interest on Land (100% X 6.0 X \$540.00) Water Assessment	7.94		7.94 16.20 20.00	
Total Land Costs RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	27.94	(\$254.23)	44.14	(\$292.10)
Management Services (8% of Total Operation Expenses)			16.55	
TOTAL OWNERSHIP COST	47.35		101.76	
TOTAL COST RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	\$254.23 >	(\$254.23)	\$308.65 >	(\$308.65)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST				

COUNTY:Pima FARM: Pima County 98 WATER SOURCE: Cortaro-Marana TILLAGE: Double Cropped CROP: Alfalfa Hay ACRES: IRRIGATION SYSTEM: Flood Basin Sandy-Loam SOIL: AREA: Marana YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter 2/5/99 DATE:

	First Hours *			s *	Operati	ng Costs (\$/ACRE *) Per Opera	Tot. Cash			
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor Ci	ıst/Serv. Materials	Total	Times	Expenses	Class
1	Aug	Disk	0.225	0.250	3.78	2.05		5.82	3.0	17.47	L
2	Aug	Rip	0.360	0.400	5.13	3.28		8.41	1.0	8.41	L
3	Sep	Laser Level	0.450	0.500	6.24	4.09		10.33	1.0	10.33	L
4	Sep	Apply Fert/Ground	0.075	0.083	0.31	0.68	34.65	35.64	1.0	35.64	G
5	Sep	Make Borders	0.045	0.050	0.22	0.41		0.63	1.0	0.63	G
6	Oct	Plant	0.277	0.308	2.09	2.52	65.63	70.24	1.0	70.24	L
7	Oct	Irrigate		0.599		4.09	30.00	34.09	1.0	34.09	G
8	Oct	Irrigate		0.200		1.36	10.00	11.36	2.0	22.73	G
		Pickup Use20 Mi/Acre	0.667		4.94					4.94	
		Operating Interest at 10.0					2.41			2.41	
TOTAL CASH OPERATING EXPENSES (includes all times over): 206.88									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)	106.45
Growing (G)	93.08
Harvest (H)	0.00
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	7.35
Total (T)	\$206.88

COUNTY:Pima FARM: Pima County 98 WATER SOURCE: Cortaro-Marana TILLAGE: Double Cropped CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Marana YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/5/99

		Water	1	Operating Costs (\$/ACRE *)							
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total	
		()									
AUG C			0.25		3.78	2.05				5.82	
SEP C			1.51		19.34	12.35	34.65			66.34	
OCT C	2.0	16.0	1.13	40.00	2.20	8.18		65.63		116.01	
NOV C	1.0	4.0	0.20	10.00	4.04	1.36				11.36	
Pickup Use2					4.94				2.41	4.94 2.41	
Water Asses	terest at 10.0			**					2.41	2.41	
Water Asses	Silicili										
Total	3.0	20.0	3.09	50.00	30.26	23.94	34.65	65.63	2.41	206.88	
%				24.17	14.63	11.57	16.75	31.72	1.16	100.00	
Total P Total K Total Labo Total Wate		96.0 0.0 3.1 20.0		Unleaded All Direct		2.0 Ga 2.1 M	ai BTU				
EQUIPMEN ⁻	Γ REQUIREM	ENTS (per	Acre)								
	sk, 6' Disk	0.	05 Hr	Drag Scraper, 14'		45 Hr	Fertilizer I	Broadcaster,	0.08 Hr		
Grain Dril			28 Hr	Laser, Complete S	,	45 Hr	Offset Dis	,	0.67 Hr		
	uck, 1/2 Ton		67 Hr	Tractor, 50 PTO H		35 Hr	Tractor, 7	0 PTO HP,	0.05 Hr		
Tractor, 1	50 PTO HP	1.	48 Hr	V-Ripper, 5 Shnk	0.	36 Hr					
MATERIALS	REQUIREM	ENT (per A	cre)								
11-48-00,			00 Lb	Alfalfa Sd, Cert	25.	00 Lb	Water, Dis	strict	20.00 AI		
I ABOD DEC	QUIREMENT (nor Acrol									
Irrigators	KOIKEMENI (00 Hr	Tractor	2	09 Hr					
			urrant Vaar N								

^{*}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.

COUNTY:Pima FARM: Pima County 98 WATER SOURCE: Cortaro-Marana TILLAGE: Double Cropped CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: Marana YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 2/5/99

Ž	First o.Month1	Times Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr	Material Name	l Use and Cost Appl. Rate \$ / Unit	Service Cost Labor \$ / Unit Type
1	Aug	3.0 Disk	150 Offset Disk, 16.5'	4.00			Tractor
2	Aug	1.0 Rip	150 V-Ripper, 5 Shnk	2.50			Tractor
3	Sep	1.0 Laser Level	150 Drag Scraper, 14' Laser, Complete System	2.00			Tractor
4	Sep	1.0 Apply Fert/Ground	50 Fertilizer Broadcaster,	12.00	11-48-00, Dry	200.00 Lb 330.00 T	n Tractor
5	Sep	1.0 Make Borders	70 Border Disk, 6' Disk	20.00			Tractor
6	Oct	1.0 Plant	50 Grain Drill, 12'	3.25	Alfalfa Sd, Cert	25.00 Lb 250.00 C\	N Tractor
7	Oct	1.0 Irrigate		1.67	Water, District	12.00 AI 30.00 A	F Irrigators
8	Oct	2.0 Irrigate		5.00	Water, District	4.00 AI 30.00 A	F Irrigators
		Pickup use 20 Mi/Ac	Pickup Truck, 1/2 Ton	1.50			-

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