COUNTY:			l County Farm		WATER SOURCE:	CAID		Conventional
CROP: AREA:	Alfalfa Hay Maricopa	ACRES: YIELD:	1.0 7.4 Tn/Acı	re	IRRIGATION SYSTEM: PREVIOUS CROP:	Flood Basin Alfalfa Hay	SOIL: DATE:	Sandy-Loam 10/08/96
It	em		Unit	Quantit	y Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME	-> Hay		Ton	7.40	\$75.0000	\$555.00	\$580.00	
CASH LA	ND PREPARATION AND	GROWING EXPENSE	S (including s	sales tax)				
Pai	d Labor (including	p benefits)					62.90	
	Tractor/Self F	Propelled				0.38		
	Irrigation					62.52		
Che	micals & Custom Ap	plications					14.38	
	Herbicides					14.38		
Far	m Machinery and Ve	hicles					8.61	
	Diesel Fuel					5.05		
	Repairs & Main					3.56		
	igation Water (exc	_					250.13	
	er Assessment (See						**	
Oth	er Purchased Input						5.51	
	Seed/Transplan	nts				5.51		
		TOTAL CASH LAND	PREPARATION AN	ND GROWING E	XPENSES	_	341.53	
CASH HA	RVEST AND POST HAF	RVEST EXPENSES						
		TOTAL HARVEST AN	D POST HARVEST	EXPENSE		_	0.00	
OPERATI	NG OVERHEAD->PICKU	JP USE					10.25	
		3.0%					0.17	
		TOTAL CASH OPERA	TING EXPENSES			=	\$351.95	
		RETURNS OVER C	ASH OPERATING	EXPENSES			\$228.05	

Notes: The above figures do not include ownership costs, see Table 6B on Next Page for detailed cost allocation.

\*\* A water assessment charge of \$18.75/Acre is included in the ownership costs of Table 6B.

COUNTY: Pinal FARM: Pinal County Farm CAID TILLAGE: Conventional WATER SOURCE: CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam AREA: 7.4 Tn/Acre 10/08/96 Maricopa YIELD: PREVIOUS CROP: Alfalfa Hay DATE:

man. marroopa ring. 7.4 m/mor	11417100	o chor.	a nay	10,00,50
	- CASH COST BAS	IS (\$/ACRE) -	- TOTAL COST BA	SIS (\$/ACRE) -
Item	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 75.0000/Tn + 2nd Crop	\$580.00		\$580.00	
TOTAL OPERATING EXPENSES	351.95		351.95	
RETURN OVER CASH OPERATING EXPENSES		\$228.04	į	\$228.04
CASH OVERHEAD EXPENSES			I I	
Taxes, Housing & Insur., Farm Machinery	0.78		i 0.78	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	17.59		i 17.59	
General Farm Maint. (3% of Tot. Oper. Exp.)	10.56		10.56	
Total Cash Overhead Expenses	28.93		28.93	
Total Cash Oper. & Over. Cost	380.88		   380.88	
RETURNS OVER CASH OPER. & OVER. EXPENSES.	300.00	199.11		199.11
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			3.90	
Interest on Equity, Machinery & Vehicles			1.94	
Stand Establishment (3 Year Crop)	143.97		143.97	
Total Capital Allocations	143.97		149.81	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK —		<del>&gt;</del> 55.14	1	
RETURNS TO LAND, MANAGEMENT & RISK —			<u>'</u>	-> 49.30
LAND COSTS / OWNERSHIP (100% Equity)			 	
Property Taxes (\$372 X 16% X .16455)	9.79		j 9.79	
Opport. Inter. on Land (100% X 6.0% X \$372)			22.32	
Water Assessment **	18.75		i 18.75	
			i ====	
Total Land Costs	28.54		i 50.86	
RETURNS TO MANAGEMENT CAPITAL & RISK		—> 26.59	i	
RETURNS TO MANAGEMENT & RISK			<u> </u>	->( 1.56)
Management Services ( 8% of Tot. Oper. Exp.)			28.15	
			i	
TOTAL OWNERSHIP COST	201.45 =======		257.76   ========	
TOTAL COST	\$553.40		\$609.71	
RETURN TO MANAGEMENT, CAPITAL & RISK		<del>&gt;</del> \$26.59	I	
RETURN TO RISK (PROFITS)				->( \$29.71)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Tn)		\$44.18	1	\$44.18
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$27.22	I	\$34.83
BREAK-EVEN PRICE TO COVER TOTAL COST		\$71.40	I	\$79.01

Table 6C. Variable Operating Costs; Alfalfa Green Chop, 1996

COU CRC		Alfalfa Hay ACRE	FARM: Pinal County Farm WATER SOURCE: ACRES: 1.0 IRRIGATION SYSTEM: YIELD: 7.4 Tn/Acre PREVIOUS CROP:		CAID M: Flood Bas Alfalfa H		TILLA SOIL: DATE:	Sandy-	•			
	First	=	— Hou	rs * -		- Operat	ing Costs	(\$/Acre*) —			Tot. Cash	1
No.	Month	o Operation	Machine	Labor	Fuel/Rps	. Labor	Cust/Ser.	Materials	Total	Times	Expense	Class
1	Feb	Irrigate		0.455		3.19		15.83	19.02	8.0	152.16	
2	Mar	Irrigate/Run Herbicide		0.455	l	3.19		20.62	23.81	3.0	71.43	G
3	Feb	Rerun Borders	0.500	0.556	2.76	3.90			6.66	3.0	19.98	G
4	Jun	Irrigate		0.562	l	3.94		19.00	22.94	4.0	91.76	G
5	Oct	Renovate	0.180	0.200	1.16	1.68			2.84	0.1	0.28	G
6	Oct	Plant	0.225	0.250	2.15	2.10		55.13	59.38	0.1	5.94	L
		Pickup Use 40 Mi/Ac	1.330		10.25						10.25	0
		Operating Interest at 8	3.00%				0.17				0.17	0
		TOTAL CASH OPERATING EXE	PENSES:		\$18.86	\$62.93	\$0.17	\$270.01			\$351.97	T

<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 \$18.75/Acre included as ownership cost in Table 6B.

OPERATING COST SUMMARY BY	CLASS	1		SENSI'	TIVITY	OF NET	REVENUES	OVER TOTAL	CASH EXPENSE	S (\$/Acr	e)
Land Preparation (L)	\$5.93	-	Prices ->		1	-25%	-10%	Budgeted	+10%	+25%	
Growing (G)	335.61	-									
Harvest (H)	0.00	-	Yields		- 1	\$56.25	\$67.50	\$75.00	\$82.50	\$93.75	Break-even
Post Harvest (P)	0.00	-			I						
Marketing (M)	0.00	-	-25%	5.5	- 1	-39.78	22.65	64.27	105.90	168.33	63.41
Operating Overhead (O)	10.42	-	-10%	6.6	1	22.65	97.57	147.52	197.47	272.40	52.84
		1	Budgeted	7.4	1	64.27	147.52	203.02	258.52	341.77	47.56
Total (T)	\$351.97	1	+10%	8.1	- 1	105.90	197.47	258.52	319.57	411.15	43.24
		1	+25%	9.2	1	168.33	272.40	341.77	411.15	515.21	38.05
		-	Break-even	Yield	1	6.25	5.21	4.69	4.26	3.75	

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COUNTY:	Pinal		FARM: Pinal (	County Farm	WA:	TER SOURCE:	CAID		TILLAGE:	Conventional
CROP:	Alfalfa H	lay	ACRES:	1.0		RIGATION SY			SOIL:	Sandy-Loam
AREA:	Maricopa		YIELD:	7.4 Tn/Acre	PRI	EVIOUS CROE	P: Alfalfa	н Нау	DATE:	10/08/96
		Water	ı	-		— Opera	ting Cost (\$/	'Acre) —		
	Number	Applied	Total	Purchased	Fuel, Oil	_	-	Other		
Month *	Irrig.	(Inches)	Labor (Hrs)	Water	& Repairs	Labor	Chemicals	Purchases	Servi	ces Total
FEB C	1.0	5.0	1.01	15.83	2.76	7.09				25.68
MAR C	1.0	5.0	0.45	15.83		3.19	4.79			23.83
APR C	2.0	10.0	0.91	31.66		6.38				38.04
MAY C	3.0	15.0	1.36	47.49		9.57	4.79			61.8
JUN C	2.0	12.0	1.68	38.00	2.76	11.77				52.53
JUL C	2.0	11.0	1.01	34.83		7.13	4.79			46.75
AUG C	1.0	6.0	0.56	19.00		3.94				22.94
SEP C	1.0	5.0	1.01	15.83	2.76	7.09				25.68
OCT C	1.0	5.0	0.50	15.83	0.33	3.57		5.51		25.24
NOV C	1.0	5.0	0.45	15.83		3.19				19.02
	Use 40 Mi				10.25					10.2
		t at 8.09	<u>}</u>						0.1	
	ssessment			**						
Total	15.0	79.0	8.96 I	250.13	18.86	62.90	14.37	5.51	0.1	7 351.9
%			i	71.07	5.35	17.87	4.08	1.56	0.0	
TOTAL R	ESOURCES R	REQUIREMENTS	S(/Acre)	TOTAL ENERGY R	EQUIREMENTS (	/Acre)				
Total	N	0.0 lbs		Diesel Fuel		5.3 Ga	1			
Total	P	0.0 lbs		Regular Gas		0.0 Ga	1			
Total	K	0.0 lbs		NonLead Gas		4.0 Ga	1			
Total	Labor	8.9 Hrs								
Total	Water	79.0 AI		All Direct E	nergy	1.2 M	BTU			
EQUIPME	NT REQUIRE	MENTS (/Acre	 ∋)							
Tracte	or, 70 PT	O HP, MFWD	1.52 Hrs	Border Disk,	6' Disk	1.50	Hrs Tractor	, 50 PTO H	P, MFWD	0.02 Hrs
Sprin	g Tooth Re	novator, 1	0.02 Hrs	Grain Drill,	16'	0.02	Hrs Pickup	Truck, 1/2 7	on	1.33 Hrs
MATERIA	LS REQUIRE	MENTS (/Acre	<b>=</b> )							
Water	, District	:	79.00 AI	EPTC		4.20	Pt Alfalfa	a Sd, Cert		2.50 Lb
	EQUIREMENT	S(/Acre)								
Irrig	ators		8.92 Hrs	Tractor		0.05	Hrs			

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

<sup>\*\*</sup> A water assessment charge of \$18.75/Acre included as ownership cost in Table 6B.

Table 6E. Schedule of Operations; Alfalfa Green Chop, 1996

COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID TILLAGE: Conventional CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam

AREA: Maricopa YIELD: 7.4 Tn/Acre PREVIOUS CROP: Alfalfa Hay DATE: 10/08/96

	First			E	Equipment/Custom Oper.		Job Rate — Mater			rial Use & Cost — Service Cost Lab				
No.	Mont	h Tim	es Operation	HP	Self-Prop./Implem.	Acres/	Ir	Name	Appl.	Rate	\$/Unit	\$/Unit	Туре	
1	Feb	8.0				2.20	Water,	District	5.00	AI	38.00	AF	Irrigato	
2	Mar	3.0	Irrigate/Run Herbici	.d		2.20	Water,	District	5.00	AI	38.00	AF	Irrigato	
							EPTC		1.40	Pt	26.08	Ga		
3	Feb	3.0	Rerun Borders	70	Border Disk, 6' Disk	1.80							Irrigato	
4	Jun	4.0	Irrigate			1.78	Water,	District	6.00	AI	38.00	AF	Irrigato	
5	Oct	0.1	Renovate	50	Spring Tooth Renovator,	5.00							Tractor	
6	Oct	0.1	Plant	70	Grain Drill, 16'	4.00	Alfalf	a Sd, Cert	25.00	Lb	210.00	CW	Tractor	
			Pickup Use 40 Mi/Ac	:	Pickup Truck, 1/2 Ton	0.75								

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

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<sup>\*\*</sup> A water assessment charge of \$18.75/Acre included as ownership cost in Table 6B.