COUNTY: Pinal CROP: Safflower AREA: Maricopa	FARM: Pina ACRES: YIELD:	al County Farm 1.0 1.0 Tn/Acr		WATER SOURCE: IRRIGATION SYSTEM: PREVIOUS CROP:	CAID Flood Furrow Cotton, Upland	SOIL:	Conventional Sandy Loam 10/08/96
Item		Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Seed		Ton	1.00	\$200.0000	\$200.00	\$200.00	
CASH LAND PREPARATION AN	D GROWING EXPENSE	S (including s	ales tax)				
Paid Labor (includin	g benefits)					45.57	
Tractor/Self	Propelled				10.13		
Irrigation					35.45		
Chemicals & Custom A	pplications					68.78	
Fertilizers					48.35		
Insecticides					20.43		
Farm Machinery and V	ehicles					11.45	
Diesel Fuel					4.74		
Repairs & Mai	nt.				6.72		,
Irrigation Water (ex	cluding labor)					171.00	
Water Assessment (Se	e Note Below) **					**	
Other Purchased Inpu	ts & Services					9.92	
Seed/Transpla	nts				9.92		
	TOTAL CASH LAND	PREPARATION AN	D GROWING EX	(PENSES		306.73	
CASH HARVEST AND POST HA	RVEST EXPENSES						
Paid Labor (includin	g benefits)					3.99	
Tractor/Self	Propelled				3.99		
Farm Machinery and V						4.52	
Diesel Fuel					2.01		
Repairs & Mai	nt.				2.52		
Custom Harvest/Post						40.00	
	TOTAL HARVEST AN	ID POST HARVEST	EXPENSE		_	48.52	
OPERATING OVERHEAD->PICK	UP USE					10.25	
OPERATING INTEREST AT	8.0%					7.56	
	TOTAL CASH OPERA	TING EXPENSES			===	\$373.05	
	RETURNS OVER O	CASH OPERATING	EXPENSES		(\$173.05)	

Notes: The above figures do not include ownership costs, see Table 12B on Next Page for detailed cost allocation.

** A water assessment charge of \$18.75/Acre is included in the ownership costs of Table 12B.

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COUNTY:	Pinal	FARM:	Pinal County Farm	WATER SOURCE:	CAID	TILLAGE:	Conventional
CROP:	Safflower	ACRES:	1.0	IRRIGATION SYSTEM:	Flood Furrow	SOIL:	Sandy Loam
AREA:	Maricopa	YIELD:	1.0 Tn/Acre	PREVIOUS CROP:	Cotton, Upland	DATE:	10/08/96

AREA: Maricopa	YIELD: 1.0 Th/AC	re PREVIO	US CROP: Cottor	i, Upland DATE:	10/08/96
Item			SIS (\$/ACRE) - Net Returns	- TOTAL COST BAS	SIS (\$/ACRE) - Net Returns
TOTAL TYGONE 4 200 0000	/m	\$200.00			
TOTAL INCOME at \$ 200.0000 TOTAL OPERATING EXPENSES	/Th	\$200.00 373.05		\$200.00 373.05	
RETURN OVER CASH OPER	ATING EXPENSES	373.03	(\$173.05)		(\$173.05)
CASH OVERHEAD EXPENSES					
Taxes, Housing & Insur.,		1.68		1.68	
Gen. & Off. Overhead (5		18.65		18.65	
General Farm Maint. (3%	of Tot. Oper. Exp.)	11.19		11.19	
Total Cash Overhead Expe	nses	31.52		31.52	
Total Cash Oper. & Over. RETURNS OVER CASH OPE		404.57	(204.57)	404.57	(204.57)
CAPITAL ALLOCATIONS (100%	Equity)				
Capital Replacement, Mac				9.54	
Interest on Equity, Mach	inery & Venicles			5.05 	
Total Capital Allocation	s		. (004 55)	14.59	
RETURNS TO LAND, CAPI RETURNS TO LAND,	TAL, MANAGEMENT & RISK ———— MANAGEMENT & RISK —————		—>(204.57)		->(219.17)
LAND COSTS / OWNERSHIP (10	0% Equity)				
Property Taxes (\$372 X		9.79		9.79	
Opport. Inter. on Land (100% X 6.0% X \$372)			22.32	
Water Assessment **		18.75		18.75	
Motal Iand Costs		28.54		50.86	
Total Land Costs	, CAPITAL & RISK —		-> (233.12)	1 50.86	
RETURNS TO MANAGEMENT	EMENT & RISK —			<u> </u>	->(270.03)
Management Services (8%	of Tot. Oper. Exp.)			 29.84	
TOTAL OWNERSHIP COST		60.06		126.82	
TOTAL OWNERSHIP COST		========		=======	
TOTAL COST	CAPITAL & RISK	\$433.12		\$499.87	
RETURN TO MANAGEMENT, RETURN TO RISK (PROFITS) — PROFITS)		->(\$233.12)	<u> </u>	->(\$299.87)
BREAK-EVEN PRICE TO COVER			\$373.05	1	\$373.05
BREAK-EVEN PRICE TO COVER	·		\$60.06		\$373.05 \$126.82
BREAK-EVEN PRICE TO COVER			\$433.12	i	\$499.87
			T 100.11	1	

Table 12C. Variable Operating Costs; Safflower, 1996

COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID TILLAGE: Conventional CROP: Safflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy Loam AREA: Maricopa YIELD: 1.0 Tn/Acre Cotton, Upland DATE: 10/08/96 PREVIOUS CROP:

	First		— Hou	rs * -	ı 	- Operat	ing Costs	(\$/Acre*) —		Tot. Cash			
No.	Month	Operation	Machine	Labor	Fuel/Rps	Labor	Cust/Ser.	Materials	Total	Times	Expense	Class	
1	Dec	Apply Fert/Ground	0.075	0.083	0.46	0.70		26.25	27.41	1.0	27.41	G	
2	Dec	Disk	0.225	0.250	2.54	2.10			4.64	1.0	4.64	L	
3	Dec	List	0.237	0.263	2.70	2.21			4.91	1.0	4.91	L	
4	Dec	Mulch	0.300	0.333	3.30	2.80			6.10	1.0	6.10	L	
5	Dec	Plant	0.225	0.250	2.33	2.10		9.92	14.35	1.0	14.35	L	
6	Dec	Buck Rows	0.022	0.025	0.13	0.21			0.34	1.0	0.34	G	
7	Dec	Irrigate		0.562	l	3.94		19.00	22.94	7.0	160.58	G	
8	Feb	Irrigate/Run Fertilizer		0.562	l	3.94		30.05	33.99	2.0	67.98	G	
9	Jun	Apply Insecticide/Air			l		6.00	4.22	10.22	2.0	20.44	G	
10	Jul	Prepare Ends	0.022	0.025	0.25	0.21			0.46	1.0	0.46	H	
11	Jul	Combine Harvest			l		35.00		35.00	1.0	35.00	H	
12	Jul	Haul, Custom 20.0 CW			l		5.00		5.00	1.0	5.00	H	
13	Jul	Cut Stalks	0.180	0.200	1.74	1.68			3.42	1.0	3.42	P	
14	Jul	Residue Disposal	0.225	0.250	2.54	2.10			4.64	1.0	4.64	P	
		Pickup Use 40 Mi/Ac	1.330		10.25						10.25	0	
		Operating Interest at 8.0	0%				7.47				7.47	0	
		TOTAL CASH OPERATING EXPEN	SES:		\$26.23	\$49.57	\$59.47	\$237.71			\$372.98	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 \$18.75/Acre included as ownership cost in Table 12B.

PERATING COST SUMMARY BY Land Preparation (L)	\$30.00	i	Prices ->	OHII.		VITY OF NET -25%	-10%	OVER TOTAL Budgeted	+10%	+25%	
Growing (G)	276.74	1									
Harvest (H)	40.45	1	Yields		- 1	\$150.00	\$180.00	\$200.00	\$220.00	\$250.00	Break-even
Post Harvest (P)	8.05	1			I-						
Marketing (M)	0.00	1	-25%	0.7	-	-248.34	-225.84	-210.84	-195.84	-173.34	481.13
Operating Overhead (O)	17.72	1	-10%	0.9	-	-233.12	-206.12	-188.12	-170.12	-143.12	409.02
_		1	Budgeted	1.0	-	-222.97	-192.97	-172.97	-152.97	-122.97	372.97
Total (T)	\$372.97	1	+10%	1.1	- 1	-212.82	-179.82	-157.82	-135.82	-102.82	343.48
		Ĺ	+25%	1.2	i	-197.60	-160.10	-135.10	-110.10	-72.60	308.08
		Ĺ	Break-even	Yield	i	3.19	2.46	2.14	1.89	1.61	

COUNTY: CROP: AREA:	Pinal Safflower Maricopa		FARM: Pina ACRES: YIELD:		ounty Farm 1.0 1.0 Tn/Acre	I	ATER SOU RRIGATIO REVIOUS	N SYSI	EM: F	AID lood Fu otton,		TILLAGE: SOIL: DATE:	Sand	ventional Ny Loam 08/96
		Water		1				perati	ing Co	st (\$/A	cre) —			
Month *	Number Irrig.	Applied (Inches)	Total Labor (Hrs)	İ	Purchased Water	Fuel, Oil & Repairs		=	Chemi		Other Purchases	Servi	ces	Total
DEC P	0.4	2.4	1.01	1	7.60	7.51	8.	18	18.	38	4.96			46.63
JAN C	0.6	3.6	0.75	i	11.40	3.94	5.	88	7.	88	4.96			34.07
FEB C	1.0	6.0	0.56	i	19.00		3.		11.					33.99
MAR C	1.0	6.0	0.56	i	19.00		3.	94						22.94
APR C	2.0	12.0	1.12	i	38.00		7.		11.	05				56.93
MAY C	2.0	12.0	1.12	i	38.00		7.	88						45.88
JUN C	2.0	12.0	1.12	i	38.00		7.		8.	43		12.0	00	66.31
JUL C			0.35	i		3.25	2.					40.0		46.20
AUG C			0.12	i		1.27	1.							2.32
	Use 40 Mi,	/Ac	***	'		10.25	_,							10.25
		t at 8.0%										7.4	18	7.48
	ssessment				**									
Total	9.0	54.0	6.73	1	171.00	26.23	49.	 57	56.	79	9.92	59.4	18	372.98
%				İ	45.84	7.03	13.	28	15.	23	2.66	15.9	94	100.00
TOTAL R	ESOURCES RE	EQUIREMENTS	(/Acre)	T	OTAL ENERGY RE	EQUIREMENTS	(/Acre)							
Total	N 1	l32.0 lbs			Diesel Fuel		7.0	Gal						
Total	P	40.0 lbs			Regular Gas		0.0	Gal						
Total	K	0.0 lbs			NonLead Gas		4.0	Gal						
Total	Labor	6.7 Hrs												
Total	Water	54.0 AI			All Direct En	nergy	1.4	M BI	ľŪ					
EQUIPME	NT REQUIREN	MENTS (/Acre)											
	or, 70 PTC				Fertilizer B		Towed		Hrs		r, 100 PTO	HP, MFWD		0.95 Hrs
	t Disk, 13.		0.47 E		,						, 5 Bottom			0.24 Hrs
Power	Mulcher, 4	1 Rw	0.30 E	Hrs	Planter, 4 Ro	DW W		0.23	Hrs	Rowbuc	k, 10'			0.02 Hrs
Rotar	y Stalk Cut	tter, 4 Row	0.18 H	Irs	Pickup Truck	, 1/2 Ton		1.33	Hrs					
		MENTS (/Acre												
	-00, Dry		200.00 1	-	Safflower Sd			18.00	-	Water,	District		5	54.00 AI
82-00	-00, Anhyd	. Ammmonia	122.00 1	Lb	Dimethoate			2.00) Pt					
	EQUIREMENTS	S(/Acre)							_					
Tract	or		1.68 H	Hrs	Irrigators			5.06	Hrs					

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

^{**} A water assessment charge of \$18.75/Acre included as ownership cost in Table 12B.

TILLAGE: Conventional COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID CROP: Safflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy Loam AREA: Maricopa 1.0 Tn/Acre Cotton, Upland 10/08/96 YIELD: PREVIOUS CROP: DATE:

	Firs	t		Ec	quipment/Custom Oper.	Job Ra	te	M	f ateri	al Use	& Co	st —	Serv	vice Cost	Labor
No.	Mont	h Times	Operation	ΗP	Self-Prop./Implem.	Acres/	Hr	Name		Appl. H	Rate	\$/Unit	:	\$/Unit	Type
1	Dec	1.0 App	oly Fert/Ground	70	Fertilizer Broadcaster,	12.00	16-20-	-00, Dry	7	200.00) Lb	250.00	Tn		Tractor
2	Dec	1.0 Dis	sk 1	.00	Offset Disk, 13.5'	4.00									Tractor
3	Dec	1.0 Lis	st 1	.00	Lister, 5 Bottom	3.80									Tractor
4	Dec	1.0 Mul	lch 1	.00	Power Mulcher, 4 Rw	3.00									Tractor
5	Dec	1.0 Pla	ant	70	Planter, 4 Row	4.00	Safflo	ower Sd		18.00) Lb	52.50	CW		Tractor
6	Dec	1.0 Bud	ck Rows	70	Rowbuck, 10'	40.00									Tractor
7	Dec	7.0 Ir	rigate			1.78	Water	. Distri	ct	6.00) AI	38.00	AF		Irrigator
8	Feb	2.0 Ir	rigate/Run Fertiliz	:		1.78		. Distri) AI	38.00	AF		Irrigator
							82-00-	-00, Anh	nyd. A	61.00) Lb	345.00	Tn		
9	Jun	2.0 App	oly Insecticide/Air	:	CST Air Spray, 3 Gal Mi		Dimeth	noate		1.00) Pt	32.13	Ga	6.00 Ac	
10	Jul	1.0 Pre	epare Ends 1	.00	Offset Disk, 13.5'	40.00									Tractor
11	Jul	1.0 Cor	mbine Harvest		CST Combine Safflower									35.00 Ac	
12	Jul	1.0 Hat	ıl, Custom		CST Haul Grain									0.25 CW	
13	Jul	1.0 Cut	t Stalks 1	.00	Rotary Stalk Cutter, 4	5.00									Tractor
14	Jul	1.0 Res	sidue Disposal 1	.00	Offset Disk, 13.5'	4.00									Tractor
		Pic	ckup Use 40 Mi/Ac		Pickup Truck, 1/2 Ton	0.75									

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

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^{**} A water assessment charge of \$18.75/Acre included as ownership cost in Table 12B.