COUNTY: Maricopa

FARM: Maricopa County Farm

TILLAGE: Conventional

	heat, Durum alt River Project	ACRES: YIELD:	1. 5,400.	0 0 Lb/Acre		IRRIGATION SYSTEM PREVIOUS CROP:	f: Flood Furrow Cotton, Upland	SOIL: DATE:	Sandy-Loam 10/03/96
Item				Unit	Quantit	y Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME ->	Grain		:	Pound	5,400.0	0 \$0.0682	\$368.28	\$368.28	
CASH LAND	PREPARATION AND GR	OWING EXPE	NSES (in	cluding sal	es tax)				
	Labor (including be		·	-	•			23.11	
	Tractor/Self Prop						9.86		
	Irrigation						13.08		
	Other/Contract						0.18		
Chemi	cals & Custom Appli	cations						100.00	
	Fertilizers						80.43		
	Herbicides						19.58		
Farm 1	Machinery and Vehic	les						10.92	
	Diesel Fuel						5.07		
	Repairs & Maint.						5.85		
Irrig	ation Water (exclud	ing labor)						8.36	
	Assessment (See No		**					**	
	Purchased Inputs &							19.84	
	Seed/Transplants						19.84		
	TOT	AL CASH LAI	ND PREPA	RATION AND	GROWING E	XPENSES	_	162.23	
CASH HARV	EST AND POST HARVES	T EXPENSES							
Paid :	Labor (including be	nefits)						0.42	
	Tractor/Self Prop						0.42		
Farm 1	Machinery and Vehic							0.49	
	Diesel Fuel						0.19		
	Repairs & Maint.						0.30		
Custo	m Harvest/Post Harv	est						50.40	
	TOT	AL HARVEST	AND POS	T HARVEST E	XPENSE		_	51.31	
OPERATING	OVERHEAD->PICKUP U	SE						7.43	
OPERATING	INTEREST AT 8.0%							5.48	
	TOT	AL CASH OP	ERATING 1	EXPENSES			==	\$226.45	========
	R	ETURNS OVE	R CASH O	PERATING EX	PENSES			\$141.83	

WATER SOURCE:

SRP

Notes: The above figures do not include ownership costs, see Table 10B on Next Page for detailed cost allocation.

** A water assessment charge of \$20.34/Acre is included in the ownership costs of Table 10B.

COUNTY: Maricopa FARM: Maricopa County Farm CROP: Wheat, Durum ACRES: 1.0 AREA: Salt River Project YIELD: 5,400.0 Lb/Acre	IRRIGATION SYSTEM	SRP I: Flood Furrow Cotton, Upland	TILLAGE: SOIL: DATE:	Conventional Sandy-Loam 10/03/96
Item	- CASH COST BASIS (\$/ACRE	•	L COST BASI & Costs	S (\$/ACRE) - Net Returns
TOTAL INCOME at \$ 0.0682/Lb TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$368.28 226.45 \$141.82	į 2	68.28 26.45	\$141.82
CASH OVERHEAD EXPENSES Taxes, Housing & Insur., Farm Machinery Gen. & Off. Overhead (5% of Tot. Oper. Exp.) General Farm Maint. (3% of Tot. Oper. Exp.) Total Cash Overhead Expenses	1.26 11.32 6.79	i	1.26 11.32 6.79	
Total Cash Oper. & Over. Cost RETURNS OVER CASH OPER. & OVER. EXPENSES.	245.82 122.45	•	45.82	122.45
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery & Vehicles Interest on Equity, Machinery & Vehicles			6.93 3.82	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK —————— RETURNS TO LAND, MANAGEMENT & RISK ————————————————————————————————————	————> 122.45	j	10.75	> 111.70
LAND COSTS / OWNERSHIP (100% Equity) Property Taxes (\$702 X 16% X .12601) Opport. Inter. on Land (100% X 6.0% X \$702) Water Assessment ** Total Land Costs	14.15 20.34 34.49		14.15 42.12 20.34 76.61	
RETURNS TO MANAGEMENT, CAPITAL & RISK — RETURNS TO MANAGEMENT & RISK —	> 87.96	 I		> 35.09
Management Services (8% of Tot. Oper. Exp.) TOTAL OWNERSHIP COST	53.86	i	18.11 24.85	
TOTAL COST RETURN TO MANAGEMENT, CAPITAL & RISK ————————————————————————————————————	========	i ====	===== 51.30	> \$16.97
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST BREAK-EVEN PRICE TO COVER TOTAL COST	\$0.04 \$0.00 \$0.05	19 199		\$0.0419 \$0.0231 \$0.0650

Table 10C. Variable Operating Costs; Durum Wheat, 1996

COUNTY: Maricopa FARM: Maricopa County Farm WATER SOURCE: SRP TILLAGE: Conventional Sandy-Loam Wheat, Durum IRRIGATION SYSTEM: Flood Furrow SOIL: CROP: ACRES: AREA: Salt River Project YIELD: 5,400.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/03/96

	First		— Hou	rs * -	ı 	Operat	ing Costs		Tot. Cash			
No.	Month	Operation	Machine	Labor	Fuel/Rps	. Labor	Cust/Ser.	Materials	Total	Times	Expense	Class
1	Dec	Apply Fert/Ground	0.180	0.200	1.44	1.68		32.81	35.93	1.0	35.93	
2	Dec	Disk	0.170	0.189	2.71	1.59			4.30	1.0	4.30	L
3	Dec	Make Borders	0.158	0.175	1.53	1.47			3.00	1.0	3.00	G
4	Dec	Plant	0.225	0.250	2.58	2.10		19.84	24.52	1.0	24.52	L
5	Dec	Buck Rows	0.022	0.050	0.14	0.39			0.53	1.0	0.53	G
6	Dec	Irrigate/Run Fertilizer		0.333	İ	2.33		23.81	26.14	2.0	52.28	G
7	Jan	Apply Herbicide/Air			İ		8.32	11.26	19.58	1.0	19.58	G
8	Mar	Irrigate		0.300	İ	2.10		2.09	4.19	4.0	16.76	G
9	May	Prepare Ends	0.045	0.050	0.49	0.42			0.91	1.0	0.91	Н
10	May	Combine Harvest			İ		36.40		36.40	1.0	36.40	Н
11	May	Haul, Custom 56.0 CW			İ		14.00		14.00	1.0	14.00	Н
12	Jun	Disk Residue	0.300	0.333	2.53	2.80			5.33	1.0	5.33	L
		Pickup Use 30 Mi/Ac	1.000		7.43						7.43	0
		Operating Interest at 8.00	용				5.48				5.48	0
		TOTAL CASH OPERATING EXPENS	ES:		\$18.84	\$23.51	\$64.20	\$119.89			\$226.44	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 \$20.34/Acre included as ownership cost in Table 10B.

OPERATING COST SUMMARY BY Land Preparation (L)	\$34.14	 Prices ->		IVITY 	OF NET R -25%	EVENUES OVI -10%	ER TOTAL C Budgeted	ASH EXPENSE +10%	S (\$/Acre) +25%	
Growing (G) Harvest (H)	128.06 51.31			!	\$0.05	\$0.06	\$0.06	\$0.07	\$0.08	Break-even
Post Harvest (P) Marketing (M) Operating Overhead (O)	0.00 0.00 12.91	। −25% −10%	4,050.0 4,860.0	-	-6.45 27.28	34.97 77.00	62.60 110.14	90.22 143.29	131.65 193.00	0.05 0.04
Total (T)	\$226.43	Budgeted +10%	5,400.0 5,940.0	į	49.77 72.26	105.01 133.02	141.84 173.53	178.67 214.05	233.91 274.81	0.04
		+25% Break-eve	6,750.0 n Yield	Ì	105.99 4,204.91	175.05 3,375.73	221.08 2,983.51	267.12 2,672.95	336.17 2,311.96	0.03

CROP:	Maricopa Wheat, Du Salt Rive	rum r Project	FARM: Ma ACRES: YIELD:		oa County Farm 1.0 00.0 Lb/Acre	IRF	ER SOU RIGATIO VIOUS	N SYS	rem:	SRP Flood E Cotton,	Turrow Upland		onventional andy-Loam 0/03/96
		Water		ı			<u> </u>	perat:	ing C	ost (\$/	Acre) —		
Month *	Number Irrig.	Applied (Inches)	Total Labor (Hrs	;) i	Purchased Water	Fuel, Oil & Repairs	Lab	_	_	icals	Other Purchases	Services	: Total
DEC P JAN C	1.0	6.0	1.19			8.38	9.	56		. 62 . 26	19.84	8.32	94.41 19.58
FEB C MAR C	1.0	6.0 11.0	0.33 0.60				4.	33 20	23	. 81			26.14 4.20
APR C MAY C JUN C	2.0	11.0	0.60 0.05 0.33		8.34	0.49 2.53	0.	20 42 80				5.00 26.50	12.54 5.91 31.83
Pickup U	se 30 Mi g Interes	/Ac t at 8.0%		'		7.43	۷.					5.42	7.43 5.42
	sessment				**								
Total	6.0	34.0	3.11	 	8.34 4.02	18.84 9.07	23. 11.			. 69 . 19	19.84 9.56	45.24 21.80	207.48 100.00
		EQUIREMENTS	(/Acre)	7	TOTAL ENERGY RE	QUIREMENTS (/	•						
Total		181.6 lbs			Diesel Fuel		6.0	Gal					
Total	_	50.0 lbs			Regular Gas		0.0	Gal					
Total		0.0 lbs			NonLead Gas		3.0	Gal					
Total Total		3.1 Hrs 34.0 AI			All Direct En	ergy	1.2	м в	ľŪ				
-	-	MENTS (/Acre	•	Una	Fortilizon Dro	adaaatan Ma		0 10	Una	Mms at a	- 150 DWO I	ID MEMD	0.17 Hrs
	Disk, 18	O HP, MFWD			Fertilizer Bro Tractor, 125 P		wea				or, 150 PTO F Disk, Heavy		0.17 Hrs
	Disk, 16		0.17		Tractor, 80 P						ck, 10'	Duty	0.16 Hrs
	Disk, 13			_	Rotary Hoe, 4	•			_		Truck, 1/2	Ton	1.00 Hrs
	S REQUIRE	MENTS (/Acre	250.00	Lb	Durum Wheat Sd	, Cert		90.00	Lb	Water,	District		34.00 AI
32-00-	00, URAN	32, Lqd	40.00	Ga	Dicamba			1.00	Pt				
LABOR RE	QUIREMENT	S(/Acre)	1 22	Ure	Other			0 03	Ure	Irriga	ators		1.87 Hrs
IIacto	· -		1.22		OCHET			0.03	HIS	TTTTG	LOIS		I.O/ HIS

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

^{**} A water assessment charge of \$20.34/Acre included as ownership cost in Table 10B.

Table 10E Schedule of Operations; Durum Wheat, 1996

COUNTY: Maricopa FARM: Maricopa County Farm WATER SOURCE: SRP TILLAGE: Conventional IRRIGATION SYSTEM: Flood Furrow Sandy-Loam CROP: Wheat, Durum ACRES: 1.0 SOIL: AREA: Salt River Project YIELD: 5,400.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/03/96 First Equipment/Custom Oper. Job Rate Material Use & Cost ---Service Cost Labor Self-Prop./Implem. No. Month Times Operation Acres/Hr Name Appl. Rate \$/Unit \$/Unit Type Dec 1.0 Apply Fert/Ground 100 Fertilizer Broadcaster, 5.00 16-20-00, Dry 250.00 Lb 250.00 Tn Tractor Dec 1.0 Disk 150 Offset Disk, 18' 5.30 Tractor Dec 1.0 Make Borders 125 Border Disk, Heavy Duty 5.70 Tractor Dec 1.0 Plant 100 Grain Drill, 16' 4.00 Durum Wheat Sd, Ce 90.00 Lb 21.00 CW Tractor Dec 1.0 Buck Rows 80 Rowbuck, 10' 40.00 Tractor Other 0.00 AF Dec 2.0 Irrigate/Run Fertiliz 3.00 Water, District 6.00 AI Irrigator 32-00-00, URAN 32, 20.00 Ga 205.00 Tn Jan 1.0 Apply Herbicide/Air 1.00 Pt 85.76 Ga 8.32 Ac CST Air Spray, 5 Gal Mi Dicamba Mar 4.0 Irrigate 5.50 AI 0.00 AF 3.33 Water, District Irrigator May 1.0 Prepare Ends 100 Offset Disk, 13.5' 20.00 Tractor May 1.0 Combine Harvest CST Combine Wheat 17.50 Ac May 1.0 Haul, Custom CST Haul Grain 0.25 CW 12 Jun 1.0 Disk Residue 100 Rotary Hoe, 4 Rw 3.00 Tractor Pickup Truck, 1/2 Ton Pickup Use 30 Mi/Ac 1.00

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

^{**} A water assessment charge of \$20.34/Acre included as ownership cost in Table 10B.