

Table 10A. Income and Cash Operating Cost Summary, Durum Wheat, 1996

COUNTY: Pinal	FARM: Pinal County Farm	WATER SOURCE: CAID	TILLAGE: Conventional
CROP: Wheat, Durum	ACRES: 1.0	IRRIGATION SYSTEM: Flood Furrow	SOIL: Sandy-Loam
AREA: Maricopa	YIELD: 5,000.0 Lb/Acre	PREVIOUS CROP: Cotton, Upland	DATE: 10/08/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Grain	Pound	5,000.00	\$0.0682	\$341.00	\$341.00	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					27.37	_____
Tractor/Self Propelled				9.43		_____
Irrigation				17.94		_____
Chemicals & Custom Applications					69.77	_____
Fertilizers				69.77		_____
Farm Machinery and Vehicles					10.12	_____
Diesel Fuel				4.29		_____
Repairs & Maint.				5.83		_____
Irrigation Water (excluding labor)					101.33	_____
Water Assessment (See Note Below) **					**	_____
Other Purchased Inputs & Services					22.05	_____
Seed/Transplants				22.05		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					230.64	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					0.21	_____
Tractor/Self Propelled				0.21		_____
Farm Machinery and Vehicles					0.25	_____
Diesel Fuel				0.10		_____
Repairs & Maint.				0.14		_____
Custom Harvest/Post Harvest					47.50	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					47.96	_____
OPERATING OVERHEAD->PICKUP USE					7.69	_____
OPERATING INTEREST AT 8.0%					5.02	_____
TOTAL CASH OPERATING EXPENSES					\$291.31	=====
RETURNS OVER CASH OPERATING EXPENSES					\$49.69	=====

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

** A water assessment charge of \$18.75/Acre is included in the ownership costs of Table 10B.

Table 10B. Allocation of Ownership Costs; Durum Wheat, 1996

COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID TILLAGE: Conventional
 CROP: Wheat, Durum ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Maricopa YIELD: 5,000.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/08/96

Item	- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 0.0682/Lb	\$341.00		\$341.00	
TOTAL OPERATING EXPENSES	291.30		291.30	
RETURN OVER CASH OPERATING EXPENSES		\$49.69		\$49.69
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	1.22		1.22	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	14.56		14.56	
General Farm Maint. (3% of Tot. Oper. Exp.)	8.74		8.74	
Total Cash Overhead Expenses	24.52		24.52	
Total Cash Oper. & Over. Cost	315.83		315.83	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		25.16		25.16
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			6.92	
Interest on Equity, Machinery & Vehicles			3.68	
Total Capital Allocations			10.60	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK		25.16		
RETURNS TO LAND, MANAGEMENT & RISK				14.56
LAND COSTS / OWNERSHIP (100% Equity)				
Property Taxes (\$372 X 16% X .16455)	9.79		9.79	
Opport. Inter. on Land (100% X 6.0% X \$372)			22.32	
Water Assessment **	18.75		18.75	
Total Land Costs	28.54		50.86	
RETURNS TO MANAGEMENT, CAPITAL & RISK		(3.37)		
RETURNS TO MANAGEMENT & RISK				(36.30)
Management Services (8% of Tot. Oper. Exp.)			23.30	
TOTAL OWNERSHIP COST	53.06		109.29	
TOTAL COST	\$344.37		\$400.60	
RETURN TO MANAGEMENT, CAPITAL & RISK		(\$3.37)		
RETURN TO RISK (PROFITS)				(\$59.60)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$0.0582		\$0.0582
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.0106		\$0.0218
BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.0688		\$0.0801

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

COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID TILLAGE: Conventional
 CROP: Wheat, Durum ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Maricopa YIELD: 5,000.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/08/96

No.	First Month	Operation	— Hours * —		Operating Costs (\$/Acre*)				Times	Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials				Total
1	Nov	Apply Fert/Ground	0.075	0.083	0.46	0.70		33.55	34.71	1.0	34.71	G
2	Nov	Disk	0.225	0.250	2.54	2.10			4.64	1.0	4.64	L
3	Nov	List	0.237	0.263	2.31	2.21			4.52	1.0	4.52	L
4	Dec	Plant	0.225	0.250	2.15	2.10		22.05	26.30	1.0	26.30	L
5	Dec	Buck Rows	0.022	0.025	0.13	0.21			0.34	1.0	0.34	G
6	Dec	Irrigate		0.750		5.26		25.33	30.59	1.0	30.59	G
7	Feb	Irrigate/Run Fertilizer		0.455		3.19		37.11	40.30	2.0	80.60	G
8	Mar	Irrigate		0.450		3.15		19.00	22.15	2.0	44.30	G
9	May	Prepare Ends	0.022	0.025	0.25	0.21			0.46	1.0	0.46	H
10	May	Combine Harvest						35.00	35.00	1.0	35.00	H
11	May	Haul, Custom 50.0 CW						12.50	12.50	1.0	12.50	H
12	Jun	Disk Residue	0.225	0.250	2.54	2.10			4.64	1.0	4.64	L
		Pickup Use 30 Mi/Ac	1.000		7.68						7.68	O
		Operating Interest at 8.00%						5.02			5.02	O
TOTAL CASH OPERATING EXPENSES:					\$18.06	\$27.57	\$52.52	\$193.15			\$291.30	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 10B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)							
		Prices ->		-25%	-10%	Budgeted	+10%	+25%	
Land Preparation (L)	\$40.10								
Growing (G)	190.53								
Harvest (H)	47.95	Yields		\$0.05	\$0.06	\$0.06	\$0.07	\$0.08	Break-even
Post Harvest (P)	0.00								
Marketing (M)	0.00	-25%	3,750.0	-87.49	-49.13	-23.56	2.01	40.37	0.07
Operating Overhead (O)	12.70	-10%	4,500.0	-56.32	-10.29	20.39	51.08	97.12	0.06
		Budgeted	5,000.0	-35.55	15.59	49.69	83.79	134.94	0.05
Total (T)	\$291.30	+10%	5,500.0	-14.77	41.49	79.00	116.51	172.77	0.05
		+25%	6,250.0	16.39	80.33	122.96	165.58	229.52	0.04
		Break-even Yield		5,855.42	4,698.77	4,152.00	3,719.21	3,216.32	

COUNTY: Pinal FARM: Pinal County Farm WATER SOURCE: CAID TILLAGE: Conventional
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 AREA: Maricopa YIELD: 5,000.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/08/96

Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	Total
NOV P			0.29		2.65	2.51	16.77			21.93
DEC P	0.4	3.2	0.73	10.13	3.79	5.76	16.77	11.03		47.48
JAN C	0.6	4.8	0.58	15.20	1.14	4.31		11.03		31.67
FEB C	1.0	6.0	0.45	19.00		3.19	18.11			40.30
MAR C	1.5	9.0	0.68	28.50		4.77	18.11			51.38
APR C	1.5	9.0	0.67	28.50		4.73				33.23
MAY C			0.02		0.25	0.21			4.75	5.21
JUN C			0.25		2.54	2.10			25.25	29.89
Pickup Use 30 Mi/Ac					7.68					7.68
Operating Interest at 8.0%									5.02	5.02
Water Assessment				**						
Total	5.0	32.0	3.70	101.33	18.06	27.58	69.76	22.05	35.02	273.80
%				37.00	6.59	10.07	25.48	8.05	12.78	100.00

TOTAL RESOURCES REQUIREMENTS (/Acre)		TOTAL ENERGY REQUIREMENTS (/Acre)	
Total N	183.8 lbs	Diesel Fuel	4.6 Gal
Total P	95.4 lbs	Regular Gas	0.0 Gal
Total K	0.0 lbs	NonLead Gas	3.0 Gal
Total Labor	3.7 Hrs		
Total Water	32.0 AI	All Direct Energy	1.0 M BTU

EQUIPMENT REQUIREMENTS (/Acre)			
Tractor, 70 PTO HP, MFWD	0.32 Hrs	Fertilizer Broadcaster, Towed	0.08 Hrs
Tractor, 100 PTO HP, MFWD			0.71 Hrs
Offset Disk, 13.5'	0.47 Hrs	Lister, 5 Bottom	0.24 Hrs
Grain Drill, 16'			0.23 Hrs
Rowbuck, 10'	0.02 Hrs	Pickup Truck, 1/2 Ton	1.00 Hrs

MATERIALS REQUIREMENTS (/Acre)			
11-53-00, Dry	180.00 Lb	Durum Wheat Sd, Cert	100.00 Lb
Water, District			32.00 AI
82-00-00, Anhyd. Ammonia	200.00 Lb		

LABOR REQUIREMENTS (/Acre)			
Tractor	1.15 Hrs	Irrigators	2.56 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 10B.

Table 10E. Schedule of Operations; Durum Wheat, 1996

COUNTY: Pinal	FARM: Pinal County Farm	WATER SOURCE: CAID	TILLAGE: Conventional
CROP: Wheat, Durum	ACRES: 1.0	IRRIGATION SYSTEM: Flood Furrow	SOIL: Sandy-Loam
AREA: Maricopa	YIELD: 5,000.0 Lb/Acre	PREVIOUS CROP: Cotton, Upland	DATE: 10/08/96

No.	First Month	Times	Operation	Equipment/Custom Oper.		Job Rate Acres/Hr	Material Use & Cost			Service Cost \$/Unit	Labor Type
				HP	Self-Prop./Implem.		Name	Appl. Rate	\$/Unit		
1	Nov	1.0	Apply Fert/Ground	70	Fertilizer Broadcaster,	12.00	11-53-00, Dry	180.00 Lb	355.00 Tn		Tractor
2	Nov	1.0	Disk	100	Offset Disk, 13.5'	4.00					Tractor
3	Nov	1.0	List	100	Lister, 5 Bottom	3.80					Tractor
4	Dec	1.0	Plant	70	Grain Drill, 16'	4.00	Durum Wheat Sd, Ce	100.00 Lb	21.00 CW		Tractor
5	Dec	1.0	Buck Rows	70	Rowbuck, 10'	40.00					Tractor
6	Dec	1.0	Irrigate			1.33	Water, District	8.00 AI	38.00 AF		Irrigator
7	Feb	2.0	Irrigate/Run Fertiliz			2.20	Water, District	6.00 AI	38.00 AF		Irrigator
							82-00-00, Anhyd. A	100.00 Lb	345.00 Tn		
8	Mar	2.0	Irrigate			2.22	Water, District	6.00 AI	38.00 AF		Irrigator
9	May	1.0	Prepare Ends	100	Offset Disk, 13.5'	40.00					Tractor
10	May	1.0	Combine Harvest		CST Combine Wheat					17.50 Ac	
11	May	1.0	Haul, Custom		CST Haul Grain					0.25 CW	
12	Jun	1.0	Disk Residue	100	Offset Disk, 13.5'	4.00					Tractor
			Pickup Use 30 Mi/Ac		Pickup Truck, 1/2 Ton	1.00					

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

** A water assessment charge of \$18.75/Acre included as ownership cost in Table 10B.

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