

**Table 6A. Income and Cash Operating Summary; Durum Wheat, 1998**

COUNTY: Cochise                      FARM: Cochise County 98                      WATER SOURCE: Ks Settlement, NG                      TILLAGE: Conventional  
 CROP: Wheat, Durum                      ACRES: 1.0                      IRRIGATION SYSTEM: Flood Furrow                      SOIL: Sandy-Loam  
 AREA: Kansas Settlement                      YIELD: 5,000.0 Lb / Acre                      PREVIOUS CROP: Watermelons                      DATE: 2/4/99

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget	
INCOME	Grain	Pound	5,000.00	\$0.08	\$375.00	\$375.00	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)							
Paid Labor (including benefits)					34.22	_____	
Tractor/Self Propelled				15.13		_____	
Irrigation				19.09		_____	
Chemicals and Custom Applications					64.32	_____	
Fertilizer				41.80		_____	
Insecticide				22.52		_____	
Farm Machinery and Vehicles					18.98	_____	
Diesel Fuel				6.82		_____	
Repairs and Maintenance				12.16		_____	
Irrigation Water (excluding labor)					140.32	_____	
Natural Gas/Pumping				119.89		_____	
Repairs and Maintenance				20.43		_____	
Other Purchased Inputs & Seed/Transplants				39.88	39.88	_____	
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					297.72	_____	
CASH HARVEST AND POST HARVEST EXPENSES							
Paid Labor (including benefits)					5.11	_____	
Tractor/Self Propelled				1.84		_____	
Other/Contract				3.27		_____	
Farm Machinery and Vehicles					10.86	_____	
Diesel Fuel				1.58		_____	
Gasoline				2.33		_____	
Repairs and Maintenance				6.94		_____	
TOTAL HARVEST AND POST HARVEST EXPENSE					15.97	_____	
OPERATING OVERHEAD PICKUP USE					7.73	_____	
OPERATING INTEREST AT 10.0%					10.50	_____	
TOTAL CASH OPERATING EXPENSES					\$331.92	=====	
RETURNS OVER CASH OPERATING EXPENSES					\$43.08	_____	

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.

**Table 6B. Allocations of Ownership Costs; Durum Wheat, 1998**

COUNTY: Cochise FARM: Cochise County 98 WATER SOURCE: Ks Settlement, NG TILLAGE: Conventional  
 CROP: Wheat, Durum ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Kansas Settlement YIELD: 5,000.0 Lb / Acre PREVIOUS CROP: Watermelons DATE: 2/4/99

Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$0.08 / Lb	\$375.00		\$375.00	
TOTAL OPERATING EXPENSES	\$331.92		\$331.92	
RETURN OVER CASH OPERATING EXPENSES		\$43.08		\$43.08
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	3.56		3.56	
Wells and Irrigation System	12.04		12.04	
General and Office Overhead (5.0% of Total Operating Exp.)	16.60		16.60	
General Farm Maintenance (3.0% of Total Operating Exp.)	9.96		9.96	
Total Cash Overhead Expenses	42.15		42.15	
Total Cash Operating and Overhead Cost	374.07		374.07	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$0.93		\$0.93
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			20.37	
Wells and Irrigation System			44.84	
Interest on Equity, Machinery and Vehicles			9.58	
Wells and Irrigation System			22.86	
Total Capital Allocations			97.65	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$0.93		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				(\$96.72)
Land Cost / Ownership (100% Equity)				
Property Taxes (\$368.00 X 16.0% X 0.144)	8.54		8.54	
Opportunity Interest on Land (100% X 6.0 X \$368.00)			22.08	
Total Land Costs	8.54		30.62	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		(\$7.61)		
RETURNS TO MANAGEMENT AND RISK ----->				(\$127.33)
Management Services (8% of Total Operation Expenses)			26.55	
TOTAL OWNERSHIP COST	50.69		196.97	
TOTAL COST	\$382.61		\$528.89	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		(\$7.61)		
RETURNS TO RISK (PROFITS) ----->				(\$153.89)
BREAK-EVEN PRICE TO COVER OPERATING COST ( PER Lb )		\$0.07		\$0.07
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.01		\$0.04
BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.08		\$0.11

**Table 6C. Variable Operating Costs; Durum Wheat, 1998**

COUNTY: Cochise FARM: Cochise County 98 WATER SOURCE: Ks Settlement, NG TILLAGE: Conventional  
 CROP: Wheat, Durum ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Kansas Settlement YIELD: 5,000.0 Lb / Acre PREVIOUS CROP: Watermelons DATE: 2/4/99

No.	First Month	Operation	---- Hours * ----		---- Operating Costs (\$/ACRE *) Per Operation ----					Tot. Cash Expenses	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Serv.	Materials	Total			Times
1	Nov	Plow	0.360	0.400	5.33	3.28			8.60	1.0	8.60	L
2	Nov	Disk	0.129	0.430	2.00	3.52			5.53	1.0	5.53	L
3	Dec	Apply Fert/Inject	0.180	0.200	1.99	1.64		41.80	45.43	1.0	45.43	G
4	Dec	Landplane	0.225	0.250	2.97	2.05			5.02	1.0	5.02	L
5	Jan	List	0.180	0.200	2.38	1.64			4.02	1.0	4.02	L
6	Jan	Plant	0.180	0.200	2.14	1.64		39.88	43.65	1.0	43.65	L
7	Jan	Buck Rows	0.022	0.025	0.16	0.20			0.37	1.0	0.37	G
8	Jan	Irrigate		0.565	28.06	3.86			31.92	1.0	31.92	G
9	Jan	Irrigate		0.279	14.03	1.90			15.94	8.0	127.48	G
10	Mar	Apply Insecticide/Air					4.23	7.03	11.26	2.0	22.52	G
11	Jul	Prepare Ends	0.023	0.025	0.35	0.20			0.56	1.0	0.56	H
12	Jul	Combine Harvest	0.180	0.200	4.07	1.56			5.63	1.0	5.63	H
13	Jul	Field Transport	0.180	0.200	1.61	1.64			3.24	1.0	3.24	H
14	Jul	Haul 5	0.250	0.250	4.83	1.71			6.54	1.0	6.54	H
15	Jul	Disk Residue	0.129	0.143	2.00	1.17			3.18	1.0	3.18	L
		Pickup Use30 Mi/Acre	1.000		7.73				7.73		7.73	
		Operating Interest at 10.0					10.50				10.50	
TOTAL CASH OPERATING EXPENSES (includes all times over):										=====	331.92	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.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)						
		Prices	- 25%	- 10%	Budgeted	+ 10%	+ 25%	Break-even Price
Land Preparation (L)	70.00	Yields	\$0.06	\$0.07	\$0.08	\$0.08	\$0.09	
Growing (G)	227.72							
Harvest (H)	15.97							
Post Harvest (P)	0.00	- 25%	3,750.0	-116.65	-74.46	-46.34	-18.21	23.97
Marketing (M)	0.00	- 10%	4,500.0	-76.86	-26.23	7.52	41.27	91.89
Operating Overhead (O)	18.23	Budgeted	5,000.0	-50.33	5.92	43.42	80.92	137.17
	=====	+ 10%	5,500.0	-23.80	38.07	79.32	120.57	182.45
Total (T)	\$331.92	+ 25%	6,250.0	15.99	86.30	133.18	180.05	250.37
		Break-even Yield		5,948.61	4,907.94	4,395.31	3,979.65	3,485.25

**Table 6D. Resource and Cash Flow Requirements; Durum Wheat, 1998**

COUNTY: Cochise FARM: Cochise County 98 WATER SOURCE: Ks Settlement, NG TILLAGE: Conventional  
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 AREA: Kansas Settlement YIELD: 5,000.0 Lb / Acre PREVIOUS CROP: Watermelons DATE: 2/4/99

Month *	Number Irrigations	Water Applied (inches)	Total Labor (Hrs)	Operating Costs (\$/ACRE *)						
				Purchased Water	Fuel, Oil and Repairs	Labor	Chemicals	Other Purchases	Services	Total
NOV P			0.83		7.33	6.80				14.13
DEC P			0.45		4.96	3.68	41.80			50.45
JAN C	1.5	8.0	0.87		31.60	6.39		19.94		57.93
FEB C	1.5	8.0	0.67		29.21	4.75		19.94		53.91
MAR C	1.0	4.0	0.28		14.03	1.90	7.03		4.23	27.20
APR C	2.0	8.0	0.56		28.06	3.81	7.03		4.23	43.13
MAY C	2.0	8.0	0.56		28.06	3.81				31.87
JUN C	1.0	4.0	0.28		14.03	1.90				15.94
JUL C			0.82		12.86	6.28				19.14
Pickup Use30 Mi/Acre					7.73					7.73
Operating Interest at 10.0									10.50	10.50
<b>Total</b>	<b>9.0</b>	<b>40.0</b>	<b>5.32</b>		<b>177.88</b>	<b>39.33</b>	<b>55.86</b>	<b>39.88</b>	<b>18.96</b>	<b>331.92</b>
<b>%</b>					<b>53.59</b>	<b>11.85</b>	<b>16.83</b>	<b>12.02</b>	<b>5.71</b>	<b>100.00</b>

<b>TOTAL RESOURCE REQUIREMENTS ( per Acre)</b>	<b>TOTAL ENERGY REQUIREMENTS ( per Acre)</b>
Total N 205.0	Diesel Fuel 10.8 Gal
Total P 0.0	Unleaded Gas 4.8 Gal
Total K 0.0	Nat Gas/Pumping 323.5 Therms
Total Labor 5.3	All Direct Energy 34.4 M BTU
Total Water 40.0	

<b>EQUIPMENT REQUIREMENTS ( per Acre)</b>	
Combine, Sm. Gr., PL20, 0.18 Hr	Cultipacker, 13' 0.18 Hr
Grain Cart, 400 BU 0.18 Hr	Grain Drill, 12' 0.18 Hr
Lister, 5 Bottom 0.18 Hr	Moldboard Plow, 4-16 2 0.36 Hr
Pickup Truck, 1/2 Ton 1.00 Hr	Rowbuck, 10' 0.02 Hr
Tractor, 125 PTO HP 1.04 Hr	Truck, 5 Ton, Grain 0.25 Hr
	Fertilizer Injector, 4 Row 0.18 Hr
	Landplane 12'X 45' 0.22 Hr
	Offset Disk, 16.5' 0.28 Hr
	Tractor, 100 PTO HP, 0.56 Hr

<b>MATERIALS REQUIREMENT ( per Acre)</b>	
82-00-00, Anhyd. 250.00 Lb	Disulfoton 1.50 Pt
Water, Pump 40.00 Al	Durum Wheat Sd, Cert 180.00 Lb

<b>LABOR REQUIREMENT ( per Acre)</b>	
Harvest 0.20 Hr	Irrigators 2.80 Hr
Tractor 2.07 Hr	Other 0.25 Hr

\*NOTE: P = Previous Year C = Current Year N = Next Year

**Table 6E. Schedule of Operations; Durum Wheat, 1998**

COUNTY: Cochise      FARM: Cochise County 98      WATER SOURCE: Ks Settlement, NG      TILLAGE: Conventional  
 CROP: Wheat, Durum      ACRES: 1.0      IRRIGATION SYSTEM: Flood Furrow      SOIL: Sandy-Loam  
 AREA: Kansas Settlement      YIELD: 5,000.0 Lb / Acre      PREVIOUS CROP: Watermelons      DATE: 2/4/99

First No.	Month	Times	Operation	Equipment/ Custom Oper		Job Rate Acres/Hr	Material Use and Cost			Service Cost \$ / Unit	Labor Type
				HP	Self-Prop./ Implement		Name	Appl. Rate	\$ / Unit		
1	Nov	1.0	Plow	125	Moldboard Plow, 4-16 2	2.50					Tractor
2	Nov	1.0	Disk	125	Offset Disk, 16.5'	7.00					Tractor
3	Dec	1.0	Apply Fert/Inject	100	Fertilizer Injector, 4 Row	5.00	82-00-00, Anhyd.	250.00 Lb	317.00 Tn		Tractor
4	Dec	1.0	Landplane	125	Landplane 12'X 45'	4.00					Tractor
5	Jan	1.0	List	125	Lister, 5 Bottom	5.00					Tractor
6	Jan	1.0	Plant	100	Grain Drill, 12' Cultipacker, 13'	5.00	Durum Wheat Sd, Cert	180.00 Lb	21.00 CW		Tractor
7	Jan	1.0	Buck Rows	100	Rowbuck, 10'	40.00					Tractor
8	Jan	1.0	Irrigate			1.77	Water, Pump	8.00 AI	42.09 AF		Irrigators
9	Jan	8.0	Irrigate			3.58	Water, Pump	4.00 AI	42.09 AF		Irrigators
10	Mar	2.0	Apply Insecticide/Air		CST Air Spray, 3 Gal Mix		Disulfoton	0.75 Pt	71.08 Ga	4.23 Ac	
11	Jul	1.0	Prepare Ends	125	Offset Disk, 16.5'	40.00					Tractor
12	Jul	1.0	Combine Harvest		Combine, Sm. Gr., PL20, 190	5.00					Harvest
13	Jul	1.0	Field Transport	100	Grain Cart, 400 BU	5.00					Tractor
14	Jul	1.0	Haul		Truck, 5 Ton, Grain						Other
15	Jul	1.0	Disk Residue	125	Offset Disk, 16.5'	7.00					Tractor
			Pickup use 30 Mi/Ac		Pickup Truck, 1/2 Ton	1.00					

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

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