

**Table 10A. Income and Cash Operating Summary; Wheat (Double Crop), 1998**

COUNTY: Graham                      FARM: Graham County 98                      WATER SOURCE: Surface/Pump                      TILLAGE: Double Cropped  
 CROP: Wheat, Winter                      ACRES: 1.0                      IRRIGATION SYSTEM: Flood Furrow                      SOIL: Sandy-Loam  
 AREA: Safford Valley                      YIELD: 6,000.0 Lb / Acre                      PREVIOUS CROP: Cotton, Upland                      DATE: 2/4/99

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME    Grain	Pound	6,000.00	\$0.06	\$372.00	\$372.00	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					36.71	_____
Tractor/Self Propelled				8.45		_____
Irrigation				25.76		_____
Other/ Contract				2.50		_____
Chemicals and Custom Applications					58.49	_____
Fertilizer				58.49		_____
Farm Machinery and Vehicles					15.26	_____
Diesel Fuel				5.45		_____
Repairs and Maintenance				9.81		_____
Irrigation Water (excluding labor)					13.35	_____
Pump Energy - Electric				12.34		_____
Repairs and Maintenance				1.01		_____
Water Assessment (See Note Below) **						_____
Other Purchased Inputs & Seed/Transplants				25.85	25.85	_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					149.65	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					0.41	_____
Tractor/Self Propelled				0.41		_____
Farm Machinery and Vehicles					0.67	_____
Diesel Fuel				0.23		_____
Repairs and Maintenance				0.44		_____
Custom Harvest/Post Harvest					73.50	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					74.58	_____
OPERATING OVERHEAD    PICKUP USE					7.57	_____
OPERATING INTEREST AT 10.0%					5.74	_____
TOTAL CASH OPERATING EXPENSES					\$237.55	=====
RETURNS OVER CASH OPERATING EXPENSES					\$134.45	_____

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.  
 \*\* A water assessment charge of \$12.50 per Acre is included as an ownership cost in Table B.

**Table 10B. Allocations of Ownership Costs; Wheat (Double Crop), 1998**

COUNTY:Graham FARM: Graham County 98 WATER SOURCE: Surface/Pump TILLAGE: Double Cropped  
 CROP: Wheat, Winter ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Safford Valley YIELD: 6,000.0 Lb / Acre PREVIOUS CROP: Cotton, Upland 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 \$0.06 / Lb	\$372.00		\$372.00	
TOTAL OPERATING EXPENSES	\$237.55		\$237.55	
RETURN OVER CASH OPERATING EXPENSES		\$134.45		\$134.45
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	1.89		1.89	
Wells and Irrigation System	4.81		4.81	
General and Office Overhead (5.0% of Total Operating Exp.)	11.88		11.88	
General Farm Maintenance (3.0% of Total Operating Exp.)	7.13		7.13	
Total Cash Overhead Expenses	25.71		25.71	
Total Cash Operating and Overhead Cost	263.26		263.26	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$108.74		\$108.74
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			10.72	
Wells and Irrigation System			9.06	
Interest on Equity, Machinery and Vehicles			5.68	
Wells and Irrigation System			3.28	
Total Capital Allocations			28.76	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$108.74		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$79.99
Land Cost / Ownership (100% Equity)				
Property Taxes (\$600.00 X 16.0% X 0.093)	4.46		4.46	
Opportunity Interest on Land (100% X 6.0 X \$600.00)			18.00	
Water Assessment	12.50		12.50	
Total Land Costs	16.96		34.96	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$91.78		
RETURNS TO MANAGEMENT AND RISK ----->				\$45.02
Management Services (8% of Total Operation Expenses)			19.00	
TOTAL OWNERSHIP COST	42.68		108.43	
TOTAL COST	\$280.22		\$345.98	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$91.78		
RETURNS TO RISK (PROFITS) ----->				\$26.02
BREAK-EVEN PRICE TO COVER OPERATING COST ( PER Lb )		\$0.04		\$0.04
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.01		\$0.02
BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.05		\$0.06

**Table 10C. Variable Operating Costs; Wheat (Double Crop), 1998**

COUNTY:Graham FARM: Graham County 98 WATER SOURCE: Surface/Pump TILLAGE: Double Cropped  
 CROP: Wheat, Winter ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Safford Valley YIELD: 6,000.0 Lb / Acre PREVIOUS CROP: Cotton, Upland 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	Dec	Disk	0.300	0.333	4.47	2.73			7.19	1.0	7.19	L
2	Dec	Landplane	0.273	0.300	2.32	2.46			4.78	1.0	4.78	L
3	Dec	Plant	0.300	0.666	3.47	5.00		63.93	72.41	1.0	72.41	L
4	Dec	Disk Ends	0.030	0.033	0.31	0.27			0.58	1.0	0.58	G
5	Dec	Buck Rows	0.030	0.066	0.22	0.50			0.71	1.0	0.71	G
6	Dec	Irrigate		0.403		2.75			2.75	4.0	11.00	G
7	Dec	Irrigate		0.606	5.56	4.14			9.70	2.0	19.39	G
8	Mar	Irrigate/Run Fertilizer		0.538		3.67		20.40	24.07	0.7	16.85	G
9	Mar	Irrigate/Run Fertilizer		0.806	7.42	5.50		20.40	33.32	0.3	9.99	G
10	Jun	Prepare Ends	0.045	0.050	0.67	0.41			1.08	1.0	1.08	H
11	Jun	Combine Harvest						58.50	58.50	1.0	58.50	H
12	Jun	Haul, Custom 60 CW						15.00	15.00	1.0	15.00	H
13	Jul	Disk Residue 60 CW	0.300	0.333	4.47	2.27			6.74	1.0	6.74	L
		Pickup Use30 Mi/Acre	1.000		7.57				7.57		7.57	L
		Operating Interest at 10.0						5.74	5.74		5.74	
TOTAL CASH OPERATING EXPENSES (includes all times over):											237.55	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 \$12.50 per Acre is included as an ownership cost in Table B.

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)	91.12	Yields	\$0.05	\$0.06	\$0.06	\$0.07	\$0.08		
Growing (G)	58.53	- 25%	4,500.0	-9.82	32.03	59.93	87.83	129.68	0.05
Harvest (H)	74.58	- 10%	5,400.0	20.84	71.06	104.54	138.02	188.24	0.04
Post Harvest (P)	0.00	Budgeted	6,000.0	41.28	97.08	134.28	171.48	227.28	0.04
Marketing (M)	0.00	+ 10%	6,600.0	61.72	123.10	164.02	204.94	266.32	0.04
Operating Overhead (O)	13.31	+ 25%	7,500.0	92.39	162.14	208.64	255.14	324.89	0.03
Total (T)	237.55	Break-even Yield		4,788.32	3,761.54	3,291.06	2,925.19	2,507.12	

**Table 10D. Resource and Cash Flow Requirements; Wheat (Double Crop), 1998**

COUNTY:Graham FARM: Graham County 98 WATER SOURCE: Surface/Pump TILLAGE: Double Cropped  
 CROP: Wheat, Winter ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Safford Valley YIELD: 6,000.0 Lb / Acre PREVIOUS CROP: Cotton, Upland 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
DEC P	1.0	6.0	1.18		7.62	8.78	19.04	12.92		48.37
JAN C	1.0	6.0	1.18		7.62	8.78	19.04	12.92		48.37
MAR C	2.0	14.0	1.08		3.89	7.39	20.40			31.68
APR C	2.0	12.0	0.93		3.34	6.33				9.67
MAY C	1.0	6.0	0.46		1.67	3.17				4.83
JUN C			0.05		0.67	0.41			69.62	70.70
JUL C			0.33		4.47	2.27			3.88	10.62
Pickup Use30 Mi/Acre					7.57					7.57
Operating Interest at 10.0									5.61	5.61
Water Assessment				**						
<b>Total</b>	<b>7.0</b>	<b>44.0</b>	<b>5.22</b>		<b>36.85</b>	<b>37.12</b>	<b>58.49</b>	<b>25.85</b>	<b>79.24</b>	<b>237.55</b>
<b>%</b>					<b>15.51</b>	<b>15.63</b>	<b>24.62</b>	<b>10.88</b>	<b>33.36</b>	<b>100.00</b>

TOTAL RESOURCE REQUIREMENTS ( per Acre)

Total N 148.0  
 Total P 60.0  
 Total K 0.0  
 Total Labor 5.2  
 Total Water 44.0

TOTAL ENERGY REQUIREMENTS ( per Acre)

Diesel Fuel 7.5 Gal  
 Unleaded Gas 3.0 Gal  
 Electric / Pumping 159.3 KWH  
 All Direct Energy 2.0 M BTU

EQUIPMENT REQUIREMENTS ( per Acre)

Grain Drill 12' W/Fert Box 0.30 Hr Landplane 12'X 45' 0.27 Hr Offset Disk, 13.5' 0.68 Hr  
 Pickup Truck, 1/2 Ton 1.00 Hr Rowbuck, 10' 0.03 Hr Tractor, 100 PTO HP, 0.63 Hr  
 Tractor, 125 PTO HP 0.65 Hr

MATERIALS REQUIREMENT ( per Acre)

16-20-00, Dry 300.00 Lb 82-00-00, Anhyd. 122.00 Lb Milling Wheat Sd, Cert 175.00 Lb  
 Water, District 29.60 AI Water, Pump 14.40 AI

LABOR REQUIREMENT ( per Acre)

Irrigators 3.78 Hr Other 0.37 Hr Tractor 1.08 Hr

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

\*\* A water assessment charge of \$12.50 per Acre is included as an ownership cost in Table B.

**Table 10E. Schedule of Operations; Wheat (Double Crop), 1998**

COUNTY:Graham FARM: Graham County 98 WATER SOURCE: Surface/Pump TILLAGE: Double Cropped  
 CROP: Wheat, Winter ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Safford Valley YIELD: 6,000.0 Lb / Acre PREVIOUS CROP: Cotton, Upland 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	Dec	1.0	Disk	125	Offset Disk, 13.5'	3.00					Tractor
2	Dec	1.0	Landplane	100	Landplane 12'X 45'	3.30					Tractor
3	Dec	1.0	Plant	100	Grain Drill 12' W/Fert Box	3.00	Milling Wheat Sd, Cert 16-20-00, Dry	175.00 Lb	14.00 CW		Tractor
								300.00 Lb	240.67 Tn		Other
4	Dec	1.0	Disk Ends	100	Offset Disk, 13.5'	30.00					Tractor
5	Dec	1.0	Buck Rows	100	Rowbuck, 10'	30.00					Tractor
											Other
6	Dec	4.0	Irrigate			2.48	Water, District	6.00 Al	0.00 AF		Irrigators
7	Dec	2.0	Irrigate			1.65	Water, Pump	6.00 Al	11.12 AF		Irrigators
8	Mar	0.7	Irrigate/Run Fertilizer			1.86	Water, District	8.00 Al	0.00 AF		Irrigators
							82-00-00, Anhyd.	122.00 Lb	317.00 Tn		
9	Mar	0.3	Irrigate/Run Fertilizer			1.24	Water, Pump	8.00 Al	11.12 AF		Irrigators
							82-00-00, Anhyd.	122.00 Lb	317.00 Tn		
10	Jun	1.0	Prepare Ends	125	Offset Disk, 13.5'	20.00					Tractor
11	Jun	1.0	Combine Harvest		CST Combine Wheat					37.50 Ac	
12	Jun	1.0	Haul, Custom		CST Haul Grain					0.25 C	
13	Jul	1.0	Disk Residue	125	Offset Disk, 13.5'	3.00					Irrigators
			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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