

Table 13A. Income and Cash Operating Summary; Wheat (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Double Cropped
 CROP: Wheat, Winter ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley North YIELD: 6,000.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 1/25/99

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)					24.86	_____
Tractor/Self Propelled				10.98		_____
Irrigation				13.88		_____
Chemicals and Custom Applications					126.08	_____
Fertilizer				95.86		_____
Insecticide				14.17		_____
Herbicide				16.06		_____
Farm Machinery and Vehicles					10.82	_____
Diesel Fuel				4.29		_____
Repairs and Maintenance				6.53		_____
Irrigation Water (excluding labor)					0.00	_____
Water Assessment (See Note Below) **						_____
Other Purchased Inputs & Seed/Transplants				14.84	14.84	_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					176.61	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Custom Harvest/Post Harvest					75.30	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					75.30	_____
OPERATING OVERHEAD PICKUP USE					7.56	_____
OPERATING INTEREST AT 10.0%					6.35	_____
TOTAL CASH OPERATING EXPENSES					\$265.81	=====
RETURNS OVER CASH OPERATING EXPENSES					\$106.19	_____

Notes: The above figures do not include ownership costs, see table B for detailed cost allocation.
 ** A water assessment charge of \$31.00 per Acre is included as an ownership cost in Table B.

Table 13B. Allocations of Ownership Costs; Wheat (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Double Cropped
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 AREA: Yuma Valley North YIELD: 6,000.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 1/25/99

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	\$265.81		\$265.81	
RETURN OVER CASH OPERATING EXPENSES		\$106.19		\$106.19
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	1.34		1.34	
General and Office Overhead (5.0% of Total Operating Exp.)	13.29		13.29	
General Farm Maintenance (3.0% of Total Operating Exp.)	7.97		7.97	
Total Cash Overhead Expenses	22.60		22.60	
Total Cash Operating and Overhead Cost	288.42		288.42	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$83.58		\$83.58
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			7.49	
Interest on Equity, Machinery and Vehicles			4.26	
Total Capital Allocations			11.75	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$83.58		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$71.83
Land Cost / Ownership (100% Equity)				
Property Taxes (\$1,314. X 16.0% X 0.132)	13.90		13.90	
Opportunity Interest on Land (100% X 6.0 X \$1,314.)			39.42	
Water Assessment	31.00		31.00	
Total Land Costs	44.90		84.32	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$38.69		
RETURNS TO MANAGEMENT AND RISK ----->				(\$12.48)
Management Services (8% of Total Operation Expenses)			21.27	
TOTAL OWNERSHIP COST	67.50		139.93	
TOTAL COST	\$333.31		\$405.75	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$38.69		
RETURNS TO RISK (PROFITS) ----->				(\$33.75)
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		\$0.06		\$0.07

Table 13C. Variable Operating Costs; Wheat (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Double Cropped
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 AREA: Yuma Valley North YIELD: 6,000.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 1/25/99

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	2.95	2.60			5.55	1.0	5.55	L
2	Dec	Apply Fert/Ground	0.180	0.200	1.36	1.56		45.16	48.08	1.0	48.08	G
3	Dec	Plant	0.225	0.250	2.04	1.95		14.84	18.83	1.0	18.83	L
4	Dec	Make Borders	0.113	0.125	0.59	0.97			1.56	1.0	1.56	G
5	Dec	Irrigate		0.267		1.74			1.74	2.0	3.47	G
6	Feb	Apply Herbicide/Ground	0.150	0.167	0.93	1.30		21.59	23.82	0.5	11.91	G
7	Feb	Irrigate/Run Fertilizer		0.267		1.74		25.35	27.09	2.0	54.18	G
8	Feb	Apply Herbicide/Ground	0.150	0.167	0.93	1.30		10.52	12.75	0.5	6.38	G
9	Mar	Apply Insecticide/Air					4.75	9.42	14.17	1.0	14.17	G
10	Mar	Irrigate		0.267		1.74			1.74	4.0	6.94	G
11	Jun	Combine Harvest					59.55	59.55	59.55	1.0	59.55	H
12	Jun	Haul, Custom 63 CW					15.75	15.75	15.75	1.0	15.75	H
13	Jun	Disk Residue 63 CW	0.300	0.333	2.95	2.60			5.55	1.0	5.55	L
		Pickup Use30 Mi/Acre	1.000		7.56				7.56		7.56	
		Operating Interest at 10.0					6.35		6.35		6.35	
TOTAL CASH OPERATING EXPENSES (includes all times over):											=====	T
											265.81	

*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 \$31.00 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS

Land Preparation (L)	29.93
Growing (G)	146.68
Harvest (H)	75.30
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	13.91
Total (T)	=====
	\$265.81

SENSITIVITY OF THE NET REVENUES OVER TOTAL CASH EXPENSES (\$/ACRE)

		Prices	- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Yields			\$0.05	\$0.06	\$0.06	\$0.07	\$0.08	Break-even Price
- 25%	4,500.0		-36.74	5.11	33.01	60.91	102.76	0.05
- 10%	5,400.0		-6.19	44.03	77.51	110.99	161.21	0.05
Budgeted	6,000.0		14.18	69.98	107.18	144.38	200.18	0.04
+ 10%	6,600.0		34.55	95.93	136.85	177.77	239.15	0.04
+ 25%	7,500.0		65.11	134.86	181.36	227.86	297.61	0.04
Break-even Yield			5,582.26	4,381.92	3,832.51	3,405.53	2,917.90	

Table 13D. Resource and Cash Flow Requirements; Wheat (Double Crop), 1998

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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	4.5	0.89		4.95	6.57	22.58	7.42		41.52
JAN C	1.0	4.5	0.55		2.00	3.98	22.58	7.42		35.97
FEB C	1.0	5.0	0.43		0.93	3.04	41.41			45.38
MAR C	2.0	10.0	0.53			3.47	34.77		4.75	42.99
APR C	2.0	10.0	0.53			3.47				3.47
MAY C	1.0	5.0	0.27			1.74				1.74
JUN C			0.33		2.95	2.60			75.30	80.85
Pickup Use30 Mi/Acre					7.56					7.56
Operating Interest at 10.0									6.35	6.35
Water Assessment				**						
Total	8.0	39.0	3.54		18.38	24.86	121.33	14.84	86.40	265.81
%					6.91	9.35	45.65	5.58	32.50	100.00

TOTAL RESOURCE REQUIREMENTS (per Acre)

Total N 210.0
 Total P 156.0
 Total K 0.0
 Total Labor 3.5
 Total Water 39.0

TOTAL ENERGY REQUIREMENTS (per Acre)

Diesel Fuel 5.5 Gal
 Unleaded Gas 3.0 Gal
 All Direct Energy 1.1 M BTU

EQUIPMENT REQUIREMENTS (per Acre)

Border Disk, 6' Disk 0.11 Hr Directed Spray Rig, 8 0.15 Hr Fertilizer Broadcaster, 0.18 Hr
 Grain Drill, 12' 0.22 Hr Offset Disk, 12' 0.60 Hr Pickup Truck, 1/2 Ton 1.00 Hr
 Tractor, 70 PTO HP, 0.49 Hr Tractor, 100 PTO HP, 0.78 Hr

MATERIALS REQUIREMENT (per Acre)

11-52-00, Dry 300.00 Lb 32-00-00, URAN 32, Lqd 50.00 Ga Bromoxynil 0.75 Pt
 Diclofop Methyl 1.34 Pt Disulfoton 1.00 Pt Milling Wheat Sd, Cert 100.00 Lb
 Water, District 39.00 Al

LABOR REQUIREMENT (per Acre)

Irrigators 2.14 Hr Tractor 1.41 Hr

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

** A water assessment charge of \$31.00 per Acre is included as an ownership cost in Table B.

Table 13E. Schedule of Operations; Wheat (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Double Cropped
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 AREA: Yuma Valley North YIELD: 6,000.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 1/25/99

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	100	Offset Disk, 12'	3.00					Tractor
2	Dec	1.0	Apply Fert/Ground	100	Fertilizer Broadcaster,	5.00	11-52-00, Dry	300.00 Lb	284.00 Tn		Tractor
3	Dec	1.0	Plant	70	Grain Drill, 12'	4.00	Milling Wheat Sd, Cert	100.00 Lb	14.00 CW		Tractor
4	Dec	1.0	Make Borders	70	Border Disk, 6' Disk	8.00					Tractor
5	Dec	2.0	Irrigate			3.75	Water, District	4.50 Al	0.00 AF		Irrigators
6	Feb	0.5	Apply Herbicide/Ground	70	Directed Spray Rig, 8 Row	6.00	Diclofop Methyl	2.67 Pt	61.03 Ga		Tractor
7	Feb	2.0	Irrigate/Run Fertilizer			3.70	Water, District	5.00 Al	0.00 AF		Irrigators
							32-00-00, URAN 32,	25.00 Ga	173.00 Tn		
8	Feb	0.5	Apply Herbicide/Ground	70	Directed Spray Rig, 8 Row	6.00	Bromoxynil	1.50 Pt	52.93 Ga		Tractor
9	Mar	1.0	Apply Insecticide/Air		CST Air Spray, 5 Gal Mix		Disulfoton	1.00 Pt	71.08 Ga	4.75 Ac	
10	Mar	4.0	Irrigate			3.70	Water, District	5.00 Al	0.00 AF		Irrigators
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	Jun	1.0	Disk Residue	100	Offset Disk, 12'	3.00					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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