

Table 11A. Income and Cash Operating Cost Summary, Wheat (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YCWUA TILLAGE: Double Cropped
 CROP: Wheat, Winter ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley North YIELD: 6,300.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/02/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Grain	Pound	6,300.00	\$0.0581	\$366.03	\$366.03	
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					26.81	
Tractor/Self Propelled				11.84		
Irrigation				14.97		
Chemicals & Custom Applications					138.37	
Fertilizers				109.92		
Insecticides				13.51		
Herbicides				14.94		
Farm Machinery and Vehicles					11.19	
Diesel Fuel				5.17		
Repairs & Maint.				6.03		
Irrigation Water (excluding labor)					0.00	
Water Assessment (See Note Below) **					**	
Other Purchased Inputs & Services					12.60	
Seed/Transplants				12.60		
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					188.97	
CASH HARVEST AND POST HARVEST EXPENSES						
Custom Harvest/Post Harvest					54.80	
TOTAL HARVEST AND POST HARVEST EXPENSE					54.80	
OPERATING OVERHEAD->PICKUP USE						
OPERATING INTEREST AT 8.0%					7.81	
					5.32	
TOTAL CASH OPERATING EXPENSES					=====	=====
RETURNS OVER CASH OPERATING EXPENSES					\$256.89	
					\$109.14	

Notes: The above figures do not include ownership costs, see Table 11B on Next Page for detailed cost allocation.
 ** A water assessment charge of \$31.00/Acre is included in the ownership costs of Table 11B.

Table 11B. Allocation of Ownership Costs; Wheat (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YCWUA TILLAGE: Double Cropped
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Item	-- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 0.0581/Lb	\$366.03		\$366.03	
TOTAL OPERATING EXPENSES	256.89		256.89	
RETURN OVER CASH OPERATING EXPENSES		\$109.13		\$109.13
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	1.24		1.24	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	12.84		12.84	
General Farm Maint. (3% of Tot. Oper. Exp.)	7.71		7.71	
Total Cash Overhead Expenses	21.79		21.79	
Total Cash Oper. & Over. Cost	278.68		278.68	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		87.34		87.34
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			6.88	
Interest on Equity, Machinery & Vehicles			3.93	
Total Capital Allocations			10.80	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK ----->		87.34		
RETURNS TO LAND, MANAGEMENT & RISK ----->				76.53
LAND COSTS / OWNERSHIP (100% Equity)				
Property Taxes (\$780 X 16% X .13076)	8.15		8.15	
Opport. Inter. on Land (100% X 6.0% X \$780)			23.40	
Water Assessment **	31.00		31.00	
Total Land Costs	39.15		62.55	
RETURNS TO MANAGEMENT, CAPITAL & RISK ----->		48.18		
RETURNS TO MANAGEMENT & RISK ----->				13.97
Management Services (8% of Tot. Oper. Exp.)			20.55	
TOTAL OWNERSHIP COST	60.95		115.71	
TOTAL COST	\$317.84		\$372.60	
RETURN TO MANAGEMENT, CAPITAL & RISK ----->		\$48.18		
RETURN TO RISK (PROFITS) ----->				(\$6.57)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$0.0407		\$0.0407
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.0096		\$0.0183
BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.0504		\$0.0591

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No.	First Month	Operation	Hours * --		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class		
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			Times	
1	Dec	Disk	0.300	0.333	3.04	2.80			5.84	1.0	5.84	L	
2	Dec	Apply Fert/Ground	0.180	0.200	1.49	1.68		50.40	53.57	1.0	53.57	G	
3	Dec	Plant	0.225	0.250	2.01	2.10		12.60	16.71	1.0	16.71	L	
4	Dec	Make Borders	0.113	0.125	0.62	1.05			1.67	1.0	1.67	G	
5	Dec	Irrigate		0.267		1.87			1.87	2.0	3.74	G	
6	Feb	Apply Herbicide/Ground	0.150	0.167	0.99	1.40		19.46	21.85	0.5	10.92	G	
7	Feb	Irrigate/Run Fertilizer		0.267		1.87		29.76	31.63	2.0	63.26	G	
8	Feb	Apply Herbicide/Ground	0.150	0.167	0.99	1.40		10.42	12.81	0.5	6.40	G	
9	Mar	Apply Insecticide/Air					6.00	7.51	13.51	1.0	13.51	G	
10	Mar	Irrigate		0.267		1.87			1.87	4.0	7.48	G	
11	Jun	Combine Harvest					39.55	39.55	39.55	1.0	39.55	H	
12	Jun	Haul, Custom 61.0 CW					15.25	15.25	15.25	1.0	15.25	H	
13	Jun	Disk Residue	0.300	0.333	3.04	2.80			5.84	1.0	5.84	L	
		Pickup Use 30 Mi/Ac	1.000		7.80						7.80	O	
		Operating Interest at 8.00%					5.31				5.31	O	
TOTAL CASH OPERATING EXPENSES:					\$19.00	\$26.79	\$66.11	\$144.97				\$256.87	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 \$31.00/Acre included as ownership cost in Table 11B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)							
		Prices ->	-25%	-10%	Budgeted	+10%	+25%		
Land Preparation (L)	\$28.40								
Growing (G)	160.55								
Harvest (H)	54.80	Yields	\$0.04	\$0.05	\$0.05	\$0.06	\$0.07	Break-even	
Post Harvest (P)	0.00								
Marketing (M)	0.00	-25%	4,725.0	-37.27	3.90	31.35	58.80	99.98	0.05
Operating Overhead (O)	13.11	-10%	5,670.0	-4.31	45.09	78.03	110.98	160.39	0.04
		Budgeted	6,300.0	17.65	72.55	109.16	145.76	200.66	0.04
		+10%	6,930.0	39.62	100.02	140.28	180.54	240.94	0.03
		+25%	7,875.0	72.58	141.21	186.96	232.72	301.35	0.03
		Break-even Yield		5,793.83	4,635.51	4,090.34	3,659.90	3,160.95	
Total (T)	\$256.86								

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Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	Total
DEC P	1.0	4.5	0.88		5.10	7.09	25.20	6.30		43.69
JAN C	1.0	4.5	0.55		2.06	4.29	25.20	6.30		37.85
FEB C	1.0	5.0	0.43		0.99	3.28	44.70			48.96
MAR C	2.0	10.0	0.53			3.74	37.27		6.00	47.01
APR C	2.0	10.0	0.53			3.74				3.74
MAY C	1.0	5.0	0.26			1.87				1.87
JUN C			0.33		3.04	2.80			32.75	38.60
Pickup Use 30 Mi/Ac					7.80					7.80
Operating Interest at 8.0%									5.32	5.32
Water Assessment				**						
Total	8.0	39.0	3.54		19.00	26.81	132.37	12.60	44.07	234.85
%					8.08	11.41	56.36	5.36	18.76	100.00

TOTAL RESOURCES REQUIREMENTS(/Acre)		TOTAL ENERGY REQUIREMENTS(/Acre)	
Total N	276.0 lbs	Diesel Fuel	5.5 Gal
Total P	0.0 lbs	Regular Gas	0.0 Gal
Total K	0.0 lbs	NonLead Gas	3.0 Gal
Total Labor	3.5 Hrs		
Total Water	39.0 AI	All Direct Energy	1.1 M BTU

EQUIPMENT REQUIREMENTS(/Acre)			
Tractor, 100 PTO HP, MFWD	0.78 Hrs	Offset Disk, 12'	0.60 Hrs Fertilizer Broadcaster, Towed 0.18 Hrs
Tractor, 70 PTO HP, MFWD	0.49 Hrs	Grain Drill, 12'	0.23 Hrs Border Disk, 6' Disk 0.11 Hrs
Directed Spray Rig, 8 Row	0.15 Hrs	Pickup Truck, 1/2 Ton	1.00 Hrs

MATERIALS REQUIREMENTS(/Acre)			
33-00-00, Amm. Nitrate, Dry	300.00 Lb	Milling Wheat Sd, Cert	100.00 Lb Water, District 39.00 AI
Diclofop Methyl	1.34 Pt	32-00-00, URAN 32, Lqd	50.00 Ga Bromoxynil 0.75 Pt
Disulfoton	1.00 Pt		

LABOR REQUIREMENTS(/Acre)	
Tractor	1.41 Hrs Irrigators 2.14 Hrs

* NOTE: P = Previous Year C = Current Year N = Next Year
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No.	Month	First Times	Operation	Equipment/Custom Oper. HP Self-Prop./Implem.	Job Rate Acres/Hr	Material Use & Cost Name	Appl. Rate	----- \$/Unit	Service Cost \$/Unit	Labor Type
1	Dec	1.0	Disk	100 Offset Disk, 12'	3.00					Tractor
2	Dec	1.0	Apply Fert/Ground	100 Fertilizer Broadcaster,	5.00	33-00-00, Amm. Nit	300.00 Lb	320.00 Tn		Tractor
3	Dec	1.0	Plant	70 Grain Drill, 12'	4.00	Milling Wheat Sd,	100.00 Lb	12.00 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 AI	0.00 AF		Irrigator
6	Feb	0.5	Apply Herbicide/Groun	70 Directed Spray Rig, 8	6.00	Diclofop Methyl	2.67 Pt	55.54 Ga		Tractor
7	Feb	2.0	Irrigate/Run Fertiliz		3.70	Water, District	5.00 AI	0.00 AF		Irrigator
						32-00-00, URAN 32,	25.00 Ga	205.00 Tn		
8	Feb	0.5	Apply Herbicide/Groun	70 Directed Spray Rig, 8	6.00	Bromoxynil	1.50 Pt	52.93 Ga		Tractor
9	Mar	1.0	Apply Insecticide/Air	CST Air Spray, 3 Gal Mi		Disulfoton	1.00 Pt	57.21 Ga	6.00 Ac	
10	Mar	4.0	Irrigate		3.70	Water, District	5.00 AI	0.00 AF		Irrigator
11	Jun	1.0	Combine Harvest	CST Combine Wheat					17.50 Ac	
12	Jun	1.0	Haul, Custom	CST Haul Grain					0.25 CW	
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					

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