

**Table 7A. Income and Cash Operating Summary; Wheat, 1998**

COUNTY: Mohave                      FARM: Mohave County 98                      WATER SOURCE: Colorado River Pump,                      TILLAGE: Conventional  
 CROP: Wheat, Winter                      ACRES: 1.0                      IRRIGATION SYSTEM: Flood Basin                      SOIL: Sandy-Loam  
 AREA: Mohave Valley                      YIELD: 5,900.0 Lb / Acre                      PREVIOUS CROP: Cotton, Upland                      DATE: 2/3/99

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME      Grain	Pound	5,900.00	\$0.06	\$365.80	\$365.80	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					21.89	_____
Tractor/Self Propelled				14.26		_____
Irrigation				7.63		_____
Chemicals and Custom Applications					56.66	_____
Fertilizer				46.88		_____
Herbicide				9.78		_____
Farm Machinery and Vehicles					20.05	_____
Diesel Fuel				8.45		_____
Repairs and Maintenance				11.60		_____
Irrigation Water (excluding labor)					8.15	_____
Pump Energy - Electric				7.28		_____
Repairs and Maintenance				0.88		_____
Other Purchased Inputs & Seed/Transplants					17.64	_____
					17.64	_____
					-----	
					124.39	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Custom Harvest/Post Harvest					66.30	_____
					-----	
					66.30	_____
OPERATING OVERHEAD      PICKUP USE						
					7.56	_____
OPERATING INTEREST AT 10.0%						
					5.49	_____
					-----	
					\$203.75	=====
					-----	
					\$162.05	=====

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

**Table 7B. Allocations of Ownership Costs; Wheat, 1998**

COUNTY: Mohave      FARM: Mohave County 98      WATER SOURCE: Colorado River Pump,      TILLAGE: Conventional  
 CROP: Wheat, Winter      ACRES: 1.0      IRRIGATION SYSTEM: Flood Basin      SOIL: Sandy-Loam  
 AREA: Mohave Valley      YIELD: 5,900.0 Lb / Acre      PREVIOUS CROP: Cotton, Upland      DATE: 2/3/99

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	\$365.80		\$365.80	
TOTAL OPERATING EXPENSES	\$203.75		\$203.75	
RETURN OVER CASH OPERATING EXPENSES		\$162.05		\$162.05
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	2.57		2.57	
Wells and Irrigation System	0.40		0.40	
General and Office Overhead (5.0% of Total Operating Exp.)	10.19		10.19	
General Farm Maintenance (3.0% of Total Operating Exp.)	6.11		6.11	
Total Cash Overhead Expenses	19.26		19.26	
Total Cash Operating and Overhead Cost	223.01		223.01	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$142.79		\$142.79
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			13.85	
Wells and Irrigation System			2.42	
Interest on Equity, Machinery and Vehicles			6.66	
Wells and Irrigation System			0.93	
Total Capital Allocations			23.87	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$142.79		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$118.93
Land Cost / Ownership (100% Equity)				
Property Taxes (\$510.00 X 16.0% X 0.102)	8.37		8.37	
Opportunity Interest on Land (100% X 6.0 X \$510.00)			30.60	
Total Land Costs	8.37		38.97	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$134.42		
RETURNS TO MANAGEMENT AND RISK ----->				\$79.95
Management Services (8% of Total Operation Expenses)			16.30	
TOTAL OWNERSHIP COST	27.63		98.40	
TOTAL COST	\$231.38		\$302.15	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$134.42		
RETURNS TO RISK (PROFITS) ----->				\$63.65
BREAK-EVEN PRICE TO COVER OPERATING COST ( PER Lb )		\$0.03		\$0.03
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.00		\$0.02
BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.04		\$0.05

**Table 7C. Variable Operating Costs; Wheat, 1998**

COUNTY: Mohave FARM: Mohave County 98 WATER SOURCE: Colorado River Pump, TILLAGE: Conventional  
 CROP: Wheat, Winter ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam  
 AREA: Mohave Valley YIELD: 5,900.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/3/99

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	0.225	0.250	3.27	2.12			5.39	2.0	10.78	L
2	Dec	Landplane	0.209	0.233	3.29	1.97			5.26	1.0	5.26	L
3	Dec	Plant	0.180	0.200	2.19	1.69		17.64	21.52	1.0	21.52	L
4	Dec	Apply Fert/Ground	0.090	0.100	0.71	0.85		11.93	13.48	1.0	13.48	G
5	Dec	Apply Herbicide/Ground	0.090	0.100	0.71	0.85		14.33	15.89	0.3	4.77	G
6	Dec	Disk	0.225	0.250	3.27	2.12			5.39	1.0	5.39	L
7	Dec	Make Borders	0.090	0.100	0.69	0.85			1.53	1.0	1.53	G
8	Jan	Irrigate		0.130	0.93	0.92			1.85	5.0	9.25	G
9	Jan	Irrigate/Run Fertilizer		0.143	1.16	1.01		11.65	13.83	3.0	41.48	G
10	Mar	Apply Herbicide/Ground	0.090	0.100	0.76	0.85		7.83	9.44	0.7	6.61	G
11	Jun	Combine Harvest						54.30	54.30	1.0	54.30	H
12	Jun	Haul, Custom 48 CW						12.00	12.00	1.0	12.00	H
13	Jul	Disk Residue 48 CW	0.180	0.200	2.62	1.69			4.31	1.0	4.31	L
		Pickup Use30 Mi/Acre	1.000		7.56						7.56	
		Operating Interest at 10.0						5.49			5.49	
TOTAL CASH OPERATING EXPENSES (includes all times over):											203.75	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

Land Preparation (L)	47.27
Growing (G)	77.12
Harvest (H)	66.30
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	13.05
<b>Total (T)</b>	<b>\$203.75</b>

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

		Prices					Break-even Price
		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Yields		\$0.05	\$0.06	\$0.06	\$0.07	\$0.08	
- 25%	4,425.0	19.84	60.99	88.43	115.86	157.02	0.04
- 10%	5,310.0	51.05	100.43	133.35	166.28	215.66	0.04
Budgeted	5,900.0	71.85	126.72	163.30	199.88	254.75	0.03
+ 10%	6,490.0	92.66	153.02	193.25	233.49	293.85	0.03
+ 25%	7,375.0	123.87	192.45	238.18	283.90	352.49	0.03
Break-even Yield		3,862.32	3,056.27	2,682.99	2,390.96	2,055.39	

**Table 7D. Resource and Cash Flow Requirements; Wheat, 1998**

COUNTY: Mohave FARM: Mohave County 98 WATER SOURCE: Colorado River Pump, TILLAGE: Conventional  
 CROP: Wheat, Winter ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam  
 AREA: Mohave Valley YIELD: 5,900.0 Lb / Acre PREVIOUS CROP: Cotton, Upland DATE: 2/3/99

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			1.41		16.90	11.97	16.23	17.64		62.74
JAN C	1.0	4.0	0.13		0.93	0.92				1.85
FEB C	1.0	5.0	0.14		1.16	1.01	11.65			13.83
MAR C	2.0	9.0	0.27		2.10	1.93	11.65			15.68
APR C	3.0	13.0	0.47		3.56	3.44	17.13			24.13
MAY C	1.0	4.0	0.13		0.93	0.92				1.85
JUN C									66.30	66.30
JUL C			0.20		2.62	1.69				4.31
Pickup Use30 Mi/Acre					7.56					7.56
Operating Interest at 10.0									5.49	5.49
<b>Total</b>	<b>8.0</b>	<b>35.0</b>	<b>2.76</b>		<b>35.76</b>	<b>21.89</b>	<b>56.66</b>	<b>17.64</b>	<b>71.79</b>	<b>203.75</b>
<b>%</b>					<b>17.55</b>	<b>10.74</b>	<b>27.81</b>	<b>8.66</b>	<b>35.24</b>	<b>100.00</b>

TOTAL RESOURCE REQUIREMENTS ( per Acre)

Total N 181.0  
 Total P 41.6  
 Total K 0.0  
 Total Labor 2.8  
 Total Water 35.0

TOTAL ENERGY REQUIREMENTS ( per Acre)

Diesel Fuel 10.1 Gal  
 Unleaded Gas 3.0 Gal  
 Electric / Pumping 127.6 KWH  
 All Direct Energy 2.2 M BTU

EQUIPMENT REQUIREMENTS ( per Acre)

Blade Scraper, 10'	0.09 Hr	Directed Spray Rig, 8	0.06 Hr	Fertilizer Broadcaster,	0.12 Hr
Grain Drill, 14'	0.18 Hr	Landplane 14'X 60'	0.21 Hr	Offset Disk, 13.5'	0.85 Hr
Pickup Truck, 1/2 Ton	1.00 Hr	Tractor, 100 PTO HP,	0.45 Hr	Tractor, 150 PTO HP,	1.06 Hr

MATERIALS REQUIREMENT ( per Acre)

11-52-00, Dry	80.00 Lb	2,4-d	2.80 Pt	82-00-00, Anhyd.	210.00 Lb
Milling Wheat Sd, Cert	120.00 Lb	Trifluralin	4.50 Lb	Water, Pump	35.00 Al

LABOR REQUIREMENT ( per Acre)

Irrigators	1.08 Hr	Tractor	1.68 Hr
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\*NOTE: P = Previous Year C = Current Year N = Next Year

**Table 7E. Schedule of Operations; Wheat, 1998**

COUNTY: Mohave      FARM: Mohave County 98      WATER SOURCE: Colorado River Pump,      TILLAGE: Conventional  
 CROP: Wheat, Winter      ACRES: 1.0      IRRIGATION SYSTEM: Flood Basin      SOIL: Sandy-Loam  
 AREA: Mohave Valley      YIELD: 5,900.0 Lb / Acre      PREVIOUS CROP: Cotton, Upland      DATE: 2/3/99

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	2.0	Disk	150	Offset Disk, 13.5'	4.00					Tractor
2	Dec	1.0	Landplane	150	Landplane 14'X 60'	4.30					Tractor
3	Dec	1.0	Plant	100	Grain Drill, 14'	5.00	Milling Wheat Sd, Cert	120.00 Lb	14.00 CW		Tractor
4	Dec	1.0	Apply Fert/Ground	100	Fertilizer Broadcaster,	10.00	11-52-00, Dry	80.00 Lb	284.00 Tn		Tractor
5	Dec	0.3	Apply Herbicide/Ground	100	Fertilizer Broadcaster,	10.00	Trifluralin	15.00 Lb	0.91 Lb		Tractor
6	Dec	1.0	Disk	150	Offset Disk, 13.5'	4.00					Tractor
7	Dec	1.0	Make Borders	100	Blade Scraper, 10'	10.00					Tractor
8	Jan	5.0	Irrigate	7.70	Water, Pump	4.00	AI	2.79	AF		Irrigators
9	Jan	3.0	Irrigate/Run Fertilizer	7.00	Water, Pump	5.00	AI	2.79	AF		Irrigators
					82-00-00, Anhyd.	70.00	Lb	317.00	Tn		
10	Mar	0.7	Apply Herbicide/Ground	100	Directed Spray Rig, 8	10.00	2,4-d	4.00 Pt	14.92 Ga		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	150	Offset Disk, 13.5'	5.00					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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