

Table 9A. Income and Cash Operating Summary; Safflower (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma Irrigation District, TILLAGE: Double Crop
 CROP: Safflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 1.2 Tn / Acre PREVIOUS CROP: Rapini DATE: 1/25/99

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME Seed	Ton	1.20	\$390.45	\$468.54	\$468.54	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					34.66	_____
Tractor/Self Propelled				9.09		_____
Irrigation				25.57		_____
Chemicals and Custom Applications					24.21	_____
Fertilizer				20.28		_____
Herbicide				3.93		_____
Farm Machinery and Vehicles					11.14	_____
Diesel Fuel				3.76		_____
Repairs and Maintenance				7.39		_____
Irrigation Water (excluding labor)					0.00	_____
Water Assessment (See Note Below) **						_____
Other Purchased Inputs &					23.71	_____
Seed/Transplants				19.48		_____
Other Services and Rentals				4.23		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					93.73	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					1.95	_____
Tractor/Self Propelled				1.95		_____
Farm Machinery and Vehicles					2.33	_____
Diesel Fuel				0.86		_____
Repairs and Maintenance				1.47		_____
Custom Harvest/Post Harvest					5.00	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					9.28	_____
OPERATING OVERHEAD PICKUP USE					10.08	_____
OPERATING INTEREST AT 10.0%					3.83	_____
TOTAL CASH OPERATING EXPENSES					\$116.92	=====
RETURNS OVER CASH OPERATING EXPENSES					\$351.62	_____

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

** A water assessment charge of \$56.83 per Acre is included as an ownership cost in Table B.

Table 9B. Allocations of Ownership Costs; Safflower (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma Irrigation District, TILLAGE: Double Crop
 CROP: Safflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
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Item	-- CASH COST BASIS (\$/ACRE) --		-- TOTAL COST BASIS (\$/ACRE) --	
	Income and Costs	Net Returns	Income and Costs	Net Returns
TOTAL INCOME at \$390.45 / Tn	\$468.54		\$468.54	
TOTAL OPERATING EXPENSES	\$116.92		\$116.92	
RETURN OVER CASH OPERATING EXPENSES		\$351.62		\$351.62
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	1.78		1.78	
General and Office Overhead (5.0% of Total Operating Exp.)	5.85		5.85	
General Farm Maintenance (3.0% of Total Operating Exp.)	3.51		3.51	
Total Cash Overhead Expenses	11.14		11.14	
Total Cash Operating and Overhead Cost	128.06		128.06	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		\$340.48		\$340.48
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			10.32	
Interest on Equity, Machinery and Vehicles			5.35	
Total Capital Allocations			15.67	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		\$340.48		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				\$324.81
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	56.83		56.83	
Total Land Costs	70.73		110.15	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$269.75		
RETURNS TO MANAGEMENT AND RISK ----->				\$214.66
Management Services (8% of Total Operation Expenses)			9.35	
TOTAL OWNERSHIP COST	81.87		146.32	
TOTAL COST	\$198.79		\$263.24	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		\$269.75		
RETURNS TO RISK (PROFITS) ----->				\$205.30
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)		\$97.43		\$97.43
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$68.22		\$121.93
BREAK-EVEN PRICE TO COVER TOTAL COST		\$165.66		\$219.36

Table 9C. Variable Operating Costs; Safflower (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma Irrigation District, TILLAGE: Double Crop
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 AREA: Yuma Valley South YIELD: 1.2 Tn / Acre PREVIOUS CROP: Rapini 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	Jan	Disk	0.225	0.250	2.33	1.95			4.28	1.0	4.28	L
2	Jan	Apply Herb. & Incorporate	0.300	0.333	3.67	2.60		3.93	10.20	1.0	10.20	G
3	Jan	List	0.300	0.333	2.69	2.60			5.29	1.0	5.29	L
4	Feb	Plant	0.225	0.250	2.45	1.95		19.48	23.88	1.0	23.88	L
5	Feb	Irrigate		0.562		3.65			3.65	5.0	18.26	G
6	Feb	Irrigate/Run Fertilizer		0.562		3.65		10.14	13.79	2.0	27.59	G
7	Jul	Combine Harvest					4.23		4.23	1.0	4.23	H
8	Jul	Haul, Custom 20 CW					5.00		5.00	1.0	5.00	H
9	Jul	Residue Disposal 20 CW	0.225	0.250	2.33	1.95			4.28	1.0	4.28	P
		Pickup Use40 Mi/Acre	1.333		10.08						10.08	
		Operating Interest at 10.0					3.83				3.83	
TOTAL CASH OPERATING EXPENSES (includes all times over):											116.92	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. A water assessment charge of \$56.83 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS

Land Preparation (L)	33.45
Growing (G)	56.04
Harvest (H)	9.23
Post Harvest (P)	4.28
Marketing (M)	0.00
Operating Overhead (O)	13.91
Total (T)	116.92

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

Prices	- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Yields	\$292.84	\$351.40	\$390.45	\$429.50	\$488.06	Break-even Price
- 25%	0.9	150.58	203.30	238.44	273.58	326.29
- 10%	1.1	201.27	264.52	306.69	348.86	412.11
Budgeted	1.2	235.06	305.34	352.19	399.05	469.33
+ 10%	1.3	268.85	346.16	397.70	449.23	526.54
+ 25%	1.5	319.53	407.38	465.95	524.52	612.37
Break-even Yield		0.37	0.30	0.27	0.25	0.22

Table 9D. Resource and Cash Flow Requirements; Safflower (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma Irrigation District, TILLAGE: Double Crop
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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			0.13		1.23	0.97		9.74		11.94
JAN C			1.04		9.92	8.12	3.93	9.74		31.71
FEB C	1.0	6.0	0.56			3.65	10.14			13.79
MAR C	1.0	6.0	0.56			3.65				3.65
APR C	2.0	12.0	1.12			7.30	10.14			17.45
MAY C	1.0	6.0	0.56			3.65				3.65
JUN C	2.0	12.0	1.12			7.30				7.30
JUL C			0.13		1.17	0.97			9.23	11.37
AUG C			0.13		1.17	0.97				2.14
Pickup Use40 Mi/Acre					10.08					10.08
Operating Interest at 10.0									3.83	3.83
Water Assessment				**						
Total	7.0	42.0	5.35		23.55	36.61	24.21	19.48	13.06	116.92
%					20.14	31.31	20.71	16.66	11.17	100.00

TOTAL RESOURCE REQUIREMENTS (per Acre)

Total N 70.8
 Total P 0.0
 Total K 0.0
 Total Labor 5.3
 Total Water 42.0

TOTAL ENERGY REQUIREMENTS (per Acre)

Diesel Fuel 6.0 Gal
 Unleaded Gas 4.0 Gal
 All Direct Energy 1.3 M BTU

EQUIPMENT REQUIREMENTS (per Acre)

Lister, 7 Bottom 0.30 Hr Offset Disk, 13.5' 0.75 Hr Pickup Truck, 1/2 Ton 1.33 Hr
 Planter, Drill Type, 4 Row 0.22 Hr Saddle Tk Sprayer, 2 Tk 8 0.30 Hr Tractor, 70 PTO HP, 0.22 Hr
 Tractor, 100 PTO HP, 1.05 Hr

MATERIALS REQUIREMENT (per Acre)

32-00-00, URAN 32, Lqd 20.00 Ga Safflower Sd 35.00 Lb Trifluralin 1.20 Pt
 Water, District 42.00 AI

LABOR REQUIREMENT (per Acre)

Irrigators 3.93 Hr Tractor 1.42 Hr

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

** A water assessment charge of \$56.83 per Acre is included as an ownership cost in Table B.

Table 9E. Schedule of Operations; Safflower (Double Crop), 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma Irrigation District, TILLAGE: Double Crop
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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	Jan	1.0	Disk	100	Offset Disk, 13.5'	4.00						Tractor
2	Jan	1.0	Apply Herb. &	100	Saddle Tk Sprayer, 2 Tk 8 Offset Disk, 13.5'	3.00	Trifluralin	1.20 Pt	24.73 Ga			Tractor
3	Jan	1.0	List	100	Lister, 7 Bottom	3.00						Tractor
4	Feb	1.0	Plant	70	Planter, Drill Type, 4 Row	4.00	Safflower Sd	35.00 Lb	52.50 CW			Tractor
5	Feb	5.0	Irrigate			1.78	Water, District	6.00 Al	0.00 AF			Irrigators
6	Feb	2.0	Irrigate/Run Fertilizer			1.78	Water, District 32-00-00, URAN 32,	6.00 Al 10.00 Ga	0.00 AF 173.00 Tn			Irrigators
7	Jul	1.0	Combine Harvest	CST	Air Spray, 3 Gal Mix						4.23 Ac	
8	Jul	1.0	Haul, Custom	CST	Haul Grain						0.25 C	
9	Jul	1.0	Residue Disposal	100	Offset Disk, 13.5'	4.00						Tractor
			Pickup use 40 Mi/Ac	Pickup	Truck, 1/2 Ton	0.75						

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

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