

Table 12A. Income and Cash Operating Cost Summary, Safflower (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YID-B TILLAGE: Double Crop  
 CROP: Safflower ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam  
 AREA: Yuma Valley South YIELD: 1.0 Tn/Acre PREVIOUS CROP: Lettuce, Iceberg DATE: 10/02/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Seed	Ton	1.00	\$201.0000	\$201.00	\$201.00	
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					37.38	
Tractor/Self Propelled				9.81		
Irrigation				27.57		
Chemicals & Custom Applications					28.49	
Fertilizers				23.81		
Herbicides				4.69		
Farm Machinery and Vehicles					11.81	
Diesel Fuel				4.52		
Repairs & Maint.				7.29		
Irrigation Water (excluding labor)					0.00	
Water Assessment (See Note Below) **					**	
Other Purchased Inputs & Services					19.29	
Seed/Transplants				19.29		
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					96.98	
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					2.10	
Tractor/Self Propelled				2.10		
Farm Machinery and Vehicles					2.52	
Diesel Fuel				1.04		
Repairs & Maint.				1.48		
Custom Harvest/Post Harvest					41.50	
TOTAL HARVEST AND POST HARVEST EXPENSE					46.12	
OPERATING OVERHEAD->PICKUP USE					10.41	
OPERATING INTEREST AT 8.0%					3.04	
TOTAL CASH OPERATING EXPENSES					\$156.54	
RETURNS OVER CASH OPERATING EXPENSES					\$44.46	

Notes: The above figures do not include ownership costs, see Table 12B on Next Page for detailed cost allocation.  
 \*\* A water assessment charge of \$56.84/Acre is included in the ownership costs of Table 12B.

Table 12B. Allocation of Ownership Costs; Safflower (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YID-B TILLAGE: Double Crop  
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Item	-- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 201.0000/Tn	\$201.00		\$201.00	
TOTAL OPERATING EXPENSES	156.54		156.54	
RETURN OVER CASH OPERATING EXPENSES		\$44.45		\$44.45
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	1.76		1.76	
Gen. & Off. Overhead ( 5% of Tot. Oper. Exp.)	7.82		7.82	
General Farm Maint. ( 3% of Tot. Oper. Exp.)	4.70		4.70	
Total Cash Overhead Expenses	14.28		14.28	
Total Cash Oper. & Over. Cost	170.82		170.82	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		30.17		30.17
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			10.24	
Interest on Equity, Machinery & Vehicles			5.29	
Total Capital Allocations			15.53	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK ----->		30.17		
RETURNS TO LAND, MANAGEMENT & RISK ----->				14.63
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 **	56.84		56.84	
Total Land Costs	64.99		88.39	
RETURNS TO MANAGEMENT, CAPITAL & RISK ----->(		34.82)		
RETURNS TO MANAGEMENT & RISK ----->(				73.75)
Management Services ( 8% of Tot. Oper. Exp.)			12.52	
TOTAL OWNERSHIP COST	79.28		130.73	
TOTAL COST	\$235.82		\$287.27	
RETURN TO MANAGEMENT, CAPITAL & RISK ----->(		\$34.82)		
RETURN TO RISK (PROFITS) ----->(				\$86.27)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Tn)		\$156.54		\$156.54
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$79.28		\$130.73
BREAK-EVEN PRICE TO COVER TOTAL COST		\$235.82		\$287.27

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No.	First Month	Operation	Hours * --		Operating Costs (\$/Acre*)				Total Times	Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials				Total
1	Jan	Disk	0.225	0.250	2.52	2.10			4.62	1.0	4.62	L
2	Jan	Apply Herb. & Incorporate	0.300	0.333	3.97	2.80		4.69	11.46	1.0	11.46	G
3	Jan	List	0.300	0.333	3.01	2.80			5.81	1.0	5.81	L
4	Feb	Plant	0.225	0.250	2.32	2.10		19.29	23.71	1.0	23.71	L
5	Feb	Irrigate		0.562		3.94			3.94	5.0	19.70	G
6	Feb	Irrigate/Run Fertilizer		0.562		3.94		11.90	15.84	2.0	31.68	G
7	Jul	Combine Harvest					35.00		35.00	1.0	35.00	H
8	Jul	Haul, Custom 26.0 CW					6.50		6.50	1.0	6.50	H
9	Jul	Residue Disposal	0.225	0.250	2.52	2.10			4.62	1.0	4.62	P
		Pickup Use 40 Mi/Ac	1.330		10.40						10.40	O
		Operating Interest at 8.00%					3.03				3.03	O
TOTAL CASH OPERATING EXPENSES:					\$24.74	\$39.48	\$44.53	\$47.78			\$156.53	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 \$56.84/Acre included as ownership cost in Table 12B.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)						
		Prices ->		-25%	-10%	Budgeted	+10%	+25%
Land Preparation (L)	\$34.13							
Growing (G)	62.83							
Harvest (H)	41.50							
Post Harvest (P)	4.61							
Marketing (M)	0.00	-25%	0.7	-31.93	-9.32	5.75	20.82	43.43
Operating Overhead (O)	13.43	-10%	0.9	-16.24	10.89	28.98	47.07	74.20
		Budgeted	1.0	-5.77	24.37	44.47	64.57	94.72
		+10%	1.1	4.68	37.84	59.95	82.06	115.23
		+25%	1.2	20.37	58.06	83.19	108.31	146.00
Total (T)	\$156.52	Break-even Yield		1.05	0.81	0.71	0.63	0.53

Table 12D. Resource and Cash Flow Requirements; Safflower (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YID-B TILLAGE: Double Crop  
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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			0.12		1.16	1.05		9.65		11.86
JAN C			1.04		10.65	8.75	4.69	9.65		33.75
FEB C	1.0	6.0	0.56			3.94	11.90			15.84
MAR C	1.0	6.0	0.56			3.94				3.94
APR C	2.0	12.0	1.12			7.88	11.90			19.78
MAY C	1.0	6.0	0.56			3.94				3.94
JUN C	2.0	12.0	1.12			7.88				7.88
JUL C			0.12		1.26	1.05			41.50	43.81
AUG C			0.12		1.26	1.05				2.31
Pickup Use 40 Mi/Ac					10.40					10.40
Operating Interest at 8.0% Water Assessment				**					3.04	3.04
<b>Total</b>	<b>7.0</b>	<b>42.0</b>	<b>5.35</b>		<b>24.74</b>	<b>39.48</b>	<b>28.49</b>	<b>19.29</b>	<b>44.54</b>	<b>156.54</b>
<b>%</b>					<b>15.80</b>	<b>25.21</b>	<b>18.20</b>	<b>12.32</b>	<b>28.45</b>	<b>100.00</b>

TOTAL RESOURCES REQUIREMENTS(/Acre)		TOTAL ENERGY REQUIREMENTS(/Acre)	
Total N	70.8 lbs	Diesel Fuel	5.9 Gal
Total P	0.0 lbs	Regular Gas	0.0 Gal
Total K	0.0 lbs	NonLead Gas	4.0 Gal
Total Labor	5.3 Hrs	All Direct Energy	1.3 M BTU
Total Water	42.0 AI		

EQUIPMENT REQUIREMENTS(/Acre)			
Tractor, 70 PTO HP, MFWD	0.23 Hrs	Planter, 4 Row	0.23 Hrs
Offset Disk, 13.5'	0.75 Hrs	Saddle Tk Sprayer, 2 Tk 8 Row	0.30 Hrs
Pickup Truck, 1/2 Ton	1.33 Hrs	Tractor, 100 PTO HP, MFWD	1.05 Hrs
		Lister, 7 Bottom	0.30 Hrs

MATERIALS REQUIREMENTS(/Acre)			
Safflower Sd	35.00 Lb	Trifluralin	1.20 Pt
32-00-00, URAN 32, Lqd	20.00 Ga	Water, District	42.00 AI

LABOR REQUIREMENTS(/Acre)			
Tractor	1.42 Hrs	Irrigators	3.93 Hrs

\* NOTE: P = Previous Year C = Current Year N = Next Year  
 \*\* A water assessment charge of \$56.84/Acre included as ownership cost in Table 12B.

Table 12E Schedule of Operations; Safflower (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YID-B TILLAGE: Double Crop  
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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	Jan	1.0	Disk	100 Offset Disk, 13.5'	4.00					Tractor
2	Jan	1.0	Apply Herb. & Incorporate	100 Saddle Tk Sprayer, 2 Tk Offset Disk, 13.5'	3.00	Trifluralin	1.20 Pt	29.75 Ga		Tractor
3	Jan	1.0	List	100 Lister, 7 Bottom	3.00					Tractor
4	Feb	1.0	Plant	70 Planter, 4 Row	4.00	Safflower Sd	35.00 Lb	52.50 CW		Tractor
5	Feb	5.0	Irrigate		1.78	Water, District	6.00 AI	0.00 AF		Irrigator
6	Feb	2.0	Irrigate/Run Fertiliz		1.78	Water, District	6.00 AI	0.00 AF		Irrigator
						32-00-00, URAN 32,	10.00 Ga	205.00 Tn		
7	Jul	1.0	Combine Harvest	CST Combine Safflower					35.00 Ac	
8	Jul	1.0	Haul, Custom	CST Haul Grain					0.25 CW	
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					

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

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