

Table 3A. Income and Cash Operating Summary; Alfalfa Stand Establish, 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Conventional
 CROP: Alfalfa Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam
 AREA: Yuma Valley North YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter DATE: 1/25/99

Item	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME Hay	Ton	0.00	\$0.00	\$0.00	\$0.00	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					39.26	_____
Tractor/Self Propelled					30.55	_____
Irrigation					8.72	_____
Chemicals and Custom Applications					76.47	_____
Fertilizer					69.96	_____
Herbicide					6.51	_____
Farm Machinery and Vehicles					29.57	_____
Diesel Fuel					13.56	_____
Repairs and Maintenance					16.01	_____
Irrigation Water (excluding labor)					0.00	_____
Water Assessment (See Note Below) **						_____
Other Purchased Inputs & Seed/Transplants					66.25	_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					211.55	_____
CASH HARVEST AND POST HARVEST EXPENSES						
TOTAL HARVEST AND POST HARVEST EXPENSE					0.00	_____
OPERATING OVERHEAD PICKUP USE					7.56	_____
OPERATING INTEREST AT 10.0%					4.87	_____
TOTAL CASH OPERATING EXPENSES					\$223.97	=====
RETURNS OVER CASH OPERATING EXPENSES					(\$223.97)	_____

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

** A water assessment charge of \$62.00 per Acre is included as an ownership cost in Table B.

Table 3B. Allocations of Ownership Costs; Alfalfa Stand Establish, 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Conventional
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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 \$0.00 / Tn	\$0.00		\$0.00	
TOTAL OPERATING EXPENSES	\$223.97		\$223.97	
RETURN OVER CASH OPERATING EXPENSES		(\$223.97)		(\$223.97)
CASH OVERHEAD EXPENSES				
Taxes, Housing and Insurance, Farm Machinery	3.69		3.69	
General and Office Overhead (5.0% of Total Operating Exp.)	11.20		11.20	
General Farm Maintenance (3.0% of Total Operating Exp.)	6.72		6.72	
Total Cash Overhead Expenses	21.61		21.61	
Total Cash Operating and Overhead Cost	245.58		245.58	
RETURNS OVER CASH OPER. AND OVER. EXPENSES		(\$245.58)		(\$245.58)
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery and Vehicles			18.45	
Interest on Equity, Machinery and Vehicles			10.19	
Total Capital Allocations			28.65	
RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK ----->		(\$245.58)		
RETURNS TO LAND, MANAGEMENT AND RISK ----->				(\$274.23)
Land Cost / Ownership (100% Equity)				
Property Taxes (\$1,314. X 16.0% X 0.132)	27.79		27.79	
Opportunity Interest on Land (100% X 6.0 X \$1,314.)			78.84	
Water Assessment	62.00		62.00	
Total Land Costs	89.79		168.63	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		(\$335.38)		
RETURNS TO MANAGEMENT AND RISK ----->				(\$442.86)
Management Services (8% of Total Operation Expenses)			17.92	
TOTAL OWNERSHIP COST	111.40		236.81	
TOTAL COST	\$335.38		\$460.78	
RETURNS TO CAPITAL, MANAGEMENT AND RISK ----->		(\$335.38)		
RETURNS TO RISK (PROFITS) ----->				(\$460.78)
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb)				
BREAK-EVEN PRICE TO COVER OWNERSHIP COST				
BREAK-EVEN PRICE TO COVER TOTAL COST				

Table 3C. Variable Operating Costs; Alfalfa Stand Establish, 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Conventional
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 AREA: Yuma Valley North YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter 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	Aug	Chisel	0.450	0.500	5.64	3.90			9.54	1.0	9.54	L
2	Aug	Disk	0.225	0.250	2.21	1.95			4.16	2.0	8.32	L
3	Aug	Apply Fert/Ground	0.150	0.167	0.84	1.30		69.96	72.11	1.0	72.11	G
4	Aug	Laser Level	0.900	1.000	6.65	7.80			14.45	1.0	14.45	L
5	Sep	Make Borders	0.600	0.667	4.31	5.20			9.52	1.0	9.52	G
6	Sep	Preirrigate		0.270		1.75			1.75	1.0	1.75	G
7	Sep	Finish Level	0.450	0.500	3.29	3.90			7.19	1.0	7.19	L
8	Sep	Irrigate		0.267		1.74			1.74	3.0	5.21	G
9	Oct	Mulch	0.225	0.250	1.68	1.95			3.63	1.0	3.63	L
10	Oct	Plant	0.300	0.333	2.72	2.60		66.25	71.57	1.0	71.57	L
11	Oct	Irrigate/Run Herbicide		0.270		1.75		6.51	8.26	1.0	8.26	G
		Pickup Use30 Mi/Acre	1.000		7.56						7.56	
		Operating Interest at 10.0						4.87			4.87	
TOTAL CASH OPERATING EXPENSES (includes all times over):											223.97	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 \$62.00 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY CLASS

Land Preparation (L)	114.70
Growing (G)	96.85
Harvest (H)	0.00
Post Harvest (P)	0.00
Marketing (M)	0.00
Operating Overhead (O)	12.42
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Total (T)	\$223.97

Table 3D. Resource and Cash Flow Requirements; Alfalfa Stand Establish, 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
AUG C			1.17		10.91	9.10	69.96			89.97
SEP C	2.0	10.0	3.29		18.66	24.94		66.25		109.85
OCT C	2.0	10.0	0.54			3.49	6.51			10.00
NOV C	1.0	5.0	0.27			1.74				1.74
Pickup Use 30 Mi/Acre					7.56					7.56
Operating Interest at 10.0 Water Assessment				**				4.87		4.87
Total	5.0	25.0	5.26		37.13	39.26	76.47	66.25	4.87	223.97
%					16.58	17.53	34.14	29.58	2.17	100.00

TOTAL RESOURCE REQUIREMENTS (per Acre)

Total N 44.0
 Total P 192.0
 Total K 0.0
 Total Labor 5.3
 Total Water 25.0

TOTAL ENERGY REQUIREMENTS (per Acre)

Diesel Fuel 17.5 Gal
 Unleaded Gas 3.0 Gal
 All Direct Energy 2.8 M BTU

EQUIPMENT REQUIREMENTS (per Acre)

Blade Scraper, 10'	0.45 Hr	Border Disk, Heavy Duty	0.60 Hr	Drag Scraper, 10'	0.90 Hr
Fertilizer Broadcaster,	0.15 Hr	Grain Drill, 12'	0.30 Hr	Laser, Complete System	0.90 Hr
Offset Disk, 12'	0.45 Hr	Pickup Truck, 1/2 Ton	1.00 Hr	Spring Tooth Renovator,	0.22 Hr
Tractor, 70 PTO HP,	0.68 Hr	Tractor, 100 PTO HP,	2.40 Hr	Tractor, 150 PTO HP,	0.45 Hr
V-Ripper, 7 Shnk	0.45 Hr				

MATERIALS REQUIREMENT (per Acre)

11-48-00, Dry	400.00 Lb	Alfalfa Sd, Cert	25.00 Lb	EPTC	1.40 Pt
Water, District	25.00 AI				

LABOR REQUIREMENT (per Acre)

Irrigators	1.34 Hr	Tractor	3.92 Hr
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*NOTE: P = Previous Year C = Current Year N = Next Year

** A water assessment charge of \$62.00 per Acre is included as an ownership cost in Table B.

Table 3E. Schedule of Operations; Alfalfa Stand Establish, 1998

COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Conventional
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 AREA: Yuma Valley North YIELD: 0.0 Tn / Acre PREVIOUS CROP: Wheat, Winter 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	Aug	1.0	Chisel	150	V-Ripper, 7 Shnk	2.00						Tractor
2	Aug	2.0	Disk	100	Offset Disk, 12'	4.00						Tractor
3	Aug	1.0	Apply Fert/Ground	70	Fertilizer Broadcaster,	6.00	11-48-00, Dry	400.00	Lb	330.00	Tn	Tractor
4	Aug	1.0	Laser Level	100	Drag Scraper, 10' Laser, Complete System	1.00						Tractor
5	Sep	1.0	Make Borders	100	Border Disk, Heavy Duty	1.50						Tractor
6	Sep	1.0	Preirrigate			3.70	Water, District	5.00	Al	0.00	AF	Irrigators
7	Sep	1.0	Finish Level	100	Blade Scraper, 10'	2.00						Tractor
8	Sep	3.0	Irrigate			3.70	Water, District	5.00	Al	0.00	AF	Irrigators
9	Oct	1.0	Mulch	70	Spring Tooth Renovator, 16'	4.00						Tractor
10	Oct	1.0	Plant	70	Grain Drill, 12'	3.00	Alfalfa Sd, Cert	25.00	Lb	250.00	CW	Tractor
11	Oct	1.0	Irrigate/Run Herbicide			3.70	Water, District EPTC	5.00	Al	0.00	AF	Irrigators
			Pickup use 30 Mi/Ac		Pickup Truck, 1/2 Ton	1.00		1.40	Pt	35.08	Ga	

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

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