

Table 7A. Income and Cash Operating Cost Summary, Sudan Hay (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YID-S TILLAGE: Double Cropped
 CROP: Sudan Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 5.0 Tn/Acre PREVIOUS CROP: Wheat, Durum DATE: 09/25/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Hay	Ton	5.00	\$80.0000	\$400.00	\$400.00	
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					24.07	
Tractor/Self Propelled				10.05		
Irrigation				14.02		
Chemicals & Custom Applications					97.01	
Fertilizers				97.01		
Farm Machinery and Vehicles					13.24	
Diesel Fuel				5.78		
Repairs & Maint.				7.46		
Irrigation Water (excluding labor)					0.00	
Water Assessment (See Note Below) **					**	
Other Purchased Inputs & Services					13.70	
Seed/Transplants				13.70		
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					148.02	
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					19.14	
Tractor/Self Propelled				11.54		
Other/Contract				7.60		
Farm Machinery and Vehicles					33.41	
Diesel Fuel				9.80		
Repairs & Maint.				23.62		
Other Materials					12.97	
TOTAL HARVEST AND POST HARVEST EXPENSE					65.52	
OPERATING OVERHEAD->PICKUP USE					7.81	
OPERATING INTEREST AT 8.0%					0.50	
TOTAL CASH OPERATING EXPENSES					\$221.84	
RETURNS OVER CASH OPERATING EXPENSES					\$178.16	

Notes: The above figures do not include ownership costs, see Table 7B on Next Page for detailed cost allocation.
 ** A water assessment charge of \$12.50/Acre is included in the ownership costs of Table 7B.

Table 7B. Allocation of Ownership Costs; Sudan Hay (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YID-S TILLAGE: Double Cropped
 CROP: Sudan Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 5.0 Tn/Acre PREVIOUS CROP: Wheat, Durum DATE: 09/25/96

Item	-- CASH COST BASIS (\$/ACRE) -		- TOTAL COST BASIS (\$/ACRE) -	
	Income & Costs	Net Returns	Income & Costs	Net Returns
TOTAL INCOME at \$ 80.0000/Tn	\$400.00		\$400.00	
TOTAL OPERATING EXPENSES	221.84		221.84	
RETURN OVER CASH OPERATING EXPENSES		\$178.15		\$178.15
CASH OVERHEAD EXPENSES				
Taxes, Housing & Insur., Farm Machinery	6.15		6.15	
Gen. & Off. Overhead (5% of Tot. Oper. Exp.)	11.09		11.09	
General Farm Maint. (3% of Tot. Oper. Exp.)	6.66		6.66	
Total Cash Overhead Expenses	23.90		23.90	
Total Cash Oper. & Over. Cost	245.74		245.74	
RETURNS OVER CASH OPER. & OVER. EXPENSES.		154.25		154.25
CAPITAL ALLOCATIONS (100% Equity)				
Capital Replacement, Machinery & Vehicles			39.52	
Interest on Equity, Machinery & Vehicles			6.88	
Total Capital Allocations			46.39	
RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK ----->		154.25		
RETURNS TO LAND, MANAGEMENT & RISK ----->				107.85
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 **	12.50		12.50	
Total Land Costs	20.65		44.05	
RETURNS TO MANAGEMENT, CAPITAL & RISK ----->		133.59		
RETURNS TO MANAGEMENT & RISK ----->				63.79
Management Services (8% of Tot. Oper. Exp.)			17.74	
TOTAL OWNERSHIP COST	44.56		132.10	
TOTAL COST	\$266.40		\$353.94	
RETURN TO MANAGEMENT, CAPITAL & RISK ----->		\$133.59		
RETURN TO RISK (PROFITS) ----->				\$46.05
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Tn)		\$44.36		\$44.36
BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$8.91		\$26.42
BREAK-EVEN PRICE TO COVER TOTAL COST		\$53.28		\$70.78

Table 7D. Resource and Cash Flow Requirements; Sudan Hay (Double Crop), 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YID-S TILLAGE: Double Cropped
 CROP: Sudan Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 5.0 Tn/Acre PREVIOUS CROP: Wheat, Durum DATE: 09/25/96

Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	Total
MAY C			0.63		7.82	5.37				13.18
JUN C	2.0	12.0	0.80		2.90	6.09	25.59	13.70		48.28
JUL C	2.0	12.0	1.11		8.35	8.29	23.81	3.24		43.69
AUG C	2.0	12.0	1.11		8.35	8.29	23.81	3.24		43.69
SEP C	2.0	12.0	1.11		8.35	8.29	23.81	3.24		43.69
OCT C			0.86		10.87	6.89		3.24		21.00
Pickup Use 30 Mi/Ac					7.80					7.80
Operating Interest at 8.0%									0.50	0.50
Water Assessment				**						
Total	8.0	48.0	5.65		54.46	43.20	97.02	26.67	0.50	221.85
%					24.54	19.47	43.73	12.02	0.22	100.00
TOTAL RESOURCES REQUIREMENTS(/Acre)			TOTAL ENERGY REQUIREMENTS(/Acre)							
Total N	228.9 lbs			Diesel Fuel	16.7	Gal				
Total P	72.0 lbs			Regular Gas	0.0	Gal				
Total K	0.0 lbs			NonLead Gas	3.0	Gal				
Total Labor	5.6 Hrs			All Direct Energy	2.6	M BTU				
Total Water	48.0 AI									
EQUIPMENT REQUIREMENTS(/Acre)										
Tractor, 150 PTO HP, MFWD	0.45 Hrs		Offset Disk, 16.5'	0.45 Hrs		Tractor, 100 PTO HP, MFWD	1.20 Hrs			
Offset Disk, 13.5'	0.24 Hrs		Tractor, 70 PTO HP, MFWD	0.67 Hrs		Border Disk, 6' Disk	0.11 Hrs			
Fertilizer Broadcaster, Towed	0.04 Hrs		Grain Drill, 12'	0.24 Hrs		Windrower, 14.0', HS, SC	0.72 Hrs			
Hay Crimper	0.72 Hrs		Baler, 3 wire w/motor	0.52 Hrs		Bale Wagon, SP PRC	0.26 Hrs			
Pickup Truck, 1/2 Ton	1.00 Hrs									
MATERIALS REQUIREMENTS(/Acre)										
11-48-00, Dry	150.00 Lb		Sudan Grass Sd	30.00 Lb		Water, District	48.00 AI			
32-00-00, URAN 32, Lqd	60.00 Ga		Baling Wire (6500')	1.88 TF						
LABOR REQUIREMENTS(/Acre)										
Tractor	2.57 Hrs		Irrigators	2.00 Hrs		Harvest	1.08 Hrs			

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

** A water assessment charge of \$12.50/Acre included as ownership cost in Table 7B.

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YID-S TILLAGE: Double Cropped
 CROP: Sudan Hay ACRES: 1.0 IRRIGATION SYSTEM: Flood Basin SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 5.0 Tn/Acre PREVIOUS CROP: Wheat, Durum DATE: 09/25/96

No.	Month	First Times	Operation	Equipment/Custom Oper.		Job Rate Acres/Hr	Material Use & Cost			Service Cost \$/Unit	Labor Type
				HP	Self-Prop./Implem.		Name	Appl. Rate	\$/Unit		
1	May	2.0	Disk	150	Offset Disk, 16.5'	4.00					Tractor
2	May	1.0	Disk Ends	100	Offset Disk, 13.5'	80.00					Tractor
3	May	1.0	Make Borders	70	Border Disk, 6' Disk	8.00					Tractor
4	Jun	1.0	Apply Fert/Ground	70	Fertilizer Broadcaster,	25.00	11-48-00, Dry	150.00 Lb	325.00 Tn		Tractor
5	Jun	1.0	Plant	100	Grain Drill, 12'	3.75	Sudan Grass Sd	30.00 Lb	43.50 CW		Tractor
6	Jun	5.0	Irrigate			4.00	Water, District	6.00 AI	0.00 AF		Irrigator
7	Jul	3.0	Irrigate/Run Fertiliz			4.00	Water, District	6.00 AI	0.00 AF		Irrigator
							32-00-00, URAN 32,	20.00 Ga	205.00 Tn		
8	Jul	4.0	Swathing		Windrower, 14.0', HS, S	5.00					Harvest
9	Jul	4.0	Crimping	100	Hay Crimper	5.00					Tractor
10	Jul	4.0	Baling	70	Baler, 3 wire w/motor	7.00	Baling Wire (6500	0.47 TF	6.57 TF		Tractor
11	Jul	4.0	Roadsiding		Bale Wagon, SP PRC	14.00					Harvest
12	Oct	1.0	Disk Residue	100	Offset Disk, 13.5'	4.00					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.

** A water assessment charge of \$12.50/Acre included as ownership cost in Table 7B.