COUNTY: Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Double Cropped CROP: IRRIGATION SYSTEM: Flood Furrow Sorghum(Milo), Grain ACRES: 1.0 SOIL: Sandy-Loam AREA: Yuma Valley North YIELD: 3,200.0 Lb / Acre PREVIOUS CROP: Wheat, Winter DATE: 1/25/99

ltem	Unit	Quantity	Price/ Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME Grain	Pound	3,200.00	\$0.11	\$352.00	\$352.00	
CASH LAND PREPARATION AND Paid Labor (including benefits) Tractor/Self Propelled Irrigation	GROWING EXPENSES (in	cluding sales tax)		14.82 15.60	30.42	
Chemicals and Custom Applicati Fertilizer Insecticide Herbicide	ons			90.79 13.65 11.16	115.60	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				5.27 8.05	13.32	
Irrigation Water (excluding labor) Water Assessment (See Note Be					0.00	
Other Purchased Inputs & Seed/Transplants				10.07	10.07	
	TOTAL CASH LAND PRE	PARATION AND GROW	/ING EXPENSES		169.40	
CASH HARVEST AND POST HAR\	/EST EXPENSES					
Paid Labor (including benefits) Tractor/Self Propelled Other/Contract				1.30 2.16	3.47	
Farm Machinery and Vehicles Diesel Fuel Repairs and Maintenance				1.73 5.84	7.57	
Custom Harvest/Post Harvest					11.75	
	TOTAL HARVEST AND F	OST HARVEST EXPEN	SE		22.79	
OPERATING OVERHEAD PICKI OPERATING INTEREST AT 10.0%	UP USE				7.56 9.15	
	TOTAL CASH OPERATIN	IG EXPENSES			\$208.90	
	RETURNS OVER CASE	H OPERATING EXPENS	SES		\$143.10	

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

^{**} A water assessment charge of \$31.00 per Acre is included as an ownership cost in Table B.

COUNTY:Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Double Cropped CROP: Sorghum(Milo), Grain AREA: Yuma Valley North YIELD: 3,200.0 Lb / Acre PREVIOUS CROP: Wheat, Winter DATE: 1/25/99

	CASH COST BASI	S (\$/ACRE)	TOTAL COST BASIS (\$/ACRE)	
Item	Income and Costs	Net Returns	Income and Costs Net Returns	
TOTAL INCOME at \$0.11 / Lb	\$352.00		\$352.00	
TOTAL OPERATING EXPENSES RETURN OVER CASH OPERATING EXPENSES	\$208.90	\$143.10	\$208.90 \$143.10	
CASH OVERHEAD EXPENSES Taxes, Housing and Insurance, Farm Machinery General and Office Overhead (5.0% of Total Operating Exp.) General Farm Maintenance (3.0% of Total Operating Exp.)	3.13 10.44 6.27		3.13 10.44 6.27	
Total Cash Overhead Expenses	19.84		19.84	
Total Cash Operating and Overhead Cost RETURNS OVER CASH OPER. AND OVER. EXPENSES	228.74	\$123.26	228.74 \$123.26	
CAPITAL ALLOCATIONS (100% Equity) Capital Replacement, Machinery and Vehicles Interest on Equity, Machinery and Vehicles			20.04 9.19	
Total Capital Allocations RETURNS TO LAND, CAPITAL, MANAGEMENT AND RISK RETURNS TO LAND, MANAGEMENT AND RISK	>	\$123.26	29.24	
Land Cost / Ownership (100% Equity) Property Taxes (\$1,314. X 16.0% X 0.132) Opportunity Interest on Land (100% X 6.0 X \$1,314.) Water Assessment	13.90 31.00		13.90 39.42 31.00	
Total Land Costs RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO MANAGEMENT AND RISK	44.90	\$78.36	84.32 > \$9.71	
Management Services (8% of Total Operation Expenses)			16.71	
TOTAL OWNERSHIP COST	64.74		150.11	
TOTAL COST	\$273.64		**************************************	
RETURNS TO CAPITAL, MANAGEMENT AND RISK RETURNS TO RISK (PROFITS)	>	\$78.36 	> (\$7.01)	
BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) BREAK-EVEN PRICE TO COVER OWNERSHIP COST		\$0.07 \$0.02	\$0.07 \$0.05	
BREAK-EVEN PRICE TO COVER TOTAL COST		\$0.09	\$0.11	

COUNTY:Yuma FARM: Yuma County 98 WATER SOURCE: Yuma County Water TILLAGE: Double Cropped CROP: Sorghum(Milo), Grain ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam AREA: Yuma Valley North YIELD: 3,200.0 Lb / Acre PREVIOUS CROP: Wheat, Winter DATE: 1/25/99

	First		Hour	s *	Operati	ng Costs (\$/ACRE *)	Per Opera	tion		Tot. Cash	
No.	Month	Operation	Machine	Labor	Fuel/Rps.	Labor Ci	ist/Serv. N	/laterials	Total	Times	Expenses	Class
1	Jun	Disk	0.300	0.333	2.95	2.60			5.55	1.0	5.55	L
2	Jun	Make Borders	0.113	0.125	0.59	0.97			1.56	1.0	1.56	G
3	Jun	Apply Fert/Ground	0.075	0.083	0.42	0.65		45.16	46.23	1.0	46.23	G
4	Jun	Irrigate/Run Fertilizer		0.400		2.60		15.21	17.81	3.0	53.43	G
5	Jun	Knock Borders	0.090	0.100	0.49	0.78			1.26	2.0	2.53	G
6	Jul	Disk	0.150	0.167	1.05	1.30			2.35	1.0	2.35	L
7	Jul	Plant	0.150	0.167	1.82	1.30		10.07	13.19	1.0	13.19	L
8	Aug	Make Borders	0.113	0.125	0.59	0.97			1.56	1.0	1.56	G
9	Jul	Apply Herbicide/Air					4.30	6.86	11.16	1.0	11.16	G
10	Jul	Apply Insecticide/Air					4.23	9.42	13.65	1.0	13.65	G
11	Aug	Rerun Borders	0.090	0.100	0.47	0.78			1.25	1.0	1.25	G
12	Aug	Cultivate	0.150	0.167	1.03	1.30			2.34	1.0	2.34	G
13	Aug	Irrigate		0.400		2.60			2.60	3.0	7.80	G
14	Nov	Combine Harvest	0.300	0.333	6.14	2.16			8.30	1.0	8.30	Н
15	Nov	Haul, Custom 47 CW					11.75		11.75	1.0	11.75	Н
16	Nov	Knock Borders 47 CW	0.090	0.100	0.49	0.78			1.26	1.0	1.26	G
17	Nov	Cut Stalks 47 CW	0.150	0.167	1.43	1.30			2.73	1.0	2.73	Р
18	Nov	Disk Residue 47 CW	0.300	0.333	2.95	2.60			5.55	1.0	5.55	L
		Pickup Use30 Mi/Acre	1.000		7.56						7.56	
		Operating Interest at 10.0					9.15				9.15	
				ТОТ	TAL CASH OPE	RATING EX	XPENSES	(includes a	I times ove	er):	208.90	Т

*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 \$31.00 per Acre is included as an ownership cost in Table B.

OPERATING COST SUMMARY BY	CLASS
Land Preparation (L)	26.64
Growing (G)	142.76
Harvest (H)	20.05
Post Harvest (P)	2.73
Marketing (M)	0.00
Operating Overhead (O)	16.71
Total (T)	\$208.90

SENSITIVIT	Y OF THE I	NET REVE	NUES OVE	R TOTAL CA	SH EXPENS	SES (\$/ACF	RE)
Prices		- 25%	- 10%	Budgeted	+ 10%	+ 25%	
Yields		\$0.08	\$0.10	\$0.11	\$0.12	\$0.14	Break-even Price
- 25%	2,400.0	-2.38	37.22	63.62	90.02	129.62	0.08
- 10%	2,880.0	33.80	81.32	113.00	144.68	192.20	0.07
Budgeted	3,200.0	57.92	110.72	145.92	181.12	233.92	0.06
+ 10%	3,520.0	82.05	140.13	178.85	217.57	275.65	0.06
+ 25%	4,000.0	118.23	184.23	228.23	272.23	338.23	0.05
Break-even Yield		2,431.55	1,994.89	1,781.59	1,609.50	1,405.81	

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	Water										
Month *	Number Irrigations	Applied (inches)	Total Labor (Hrs)	Purchased Water	Fuel, Oil and Repairs	s La	bor	Chemicals	Other Purchases	Services	Total
JUN C	1.0	6.0	1.04		4.44	1	7.60	60.37			72.41
JUL C	2.0	12.0	1.36		3.94		9.56	46.70	10.07	8.53	72.41 78.80
AUG C	1.0	6.0	0.67		1.50		4.68	40.70	10.07	0.00	6.18
SEP C	2.0	12.0	0.80				5.20				5.20
NOV C			0.47		5.50		3.42			8.62	11.67
DEC C			0.47		5.50)	3.42			3.13	12.05
Pickup Use3					7.56	6					7.56
	terest at 10.0									9.15	9.15
Water Asses	sment			**							
Total	6.0	36.0	4.80	Ī	28.45		33.88	107.07	10.07	29.43	208.90
%					13.62		16.22	51.25	4.82	14.09	100.00
TOTAL RES	OURCE REC	UIREMENT	S (per Acre)	TOTAL ENE Diesel F	RGY REQUIR	EMENTS 9.0	٠.	,			
Total P		156.0		Unleade		3.0	Gal				
Total K		0.0		All Direc		1.6	M B				
Total Labo	or	4.8		7 111 211 00	t Enoigy	1.0					
Total Wate	er	36.0									
EOI IIPMEN	T REQUIREN	IENTS (ner	Acre)								
Blade Scr			27 Hr	Border Disk, 6' Dis	sk	0.32 Hr		Combine.	Sm. Gr., PL20,	0.30 Hr	
	Broadcaster,	-	08 Hr	Flail Stalk Cutter,		0.15 Hr		Offset Dis		0.60 Hr	
	uck, 1/2 Ton	1.	00 Hr	Planter, Drill Type	, 6 Row	0.15 Hr		Rolling Cu	ıltivator, 6 Rw	0.15 Hr	
Tandem [Disk, 12'	0.	15 Hr	Tractor, 70 PTO F	HP,	1.11 Hr		Tractor, 1	00 PTO HP,	0.75 Hr	
MATERIALS	REQUIREM	ENT (per A	cre)								
11-52-00,		\ I	00 Lb	32-00-00, URAN 3	32, Lqd 4	5.00 Ga		Dicamba		0.50 Pt	
Disulfotor		1.	00 Pt	Grain Sorghum So		0.00 Lb		Water, Dis	strict	36.00 AI	
LABOR REC	QUIREMENT	(per Acre)									
Harvest	SOUTH THE INTE		33 Hr	Irrigators		2.40 Hr		Tractor		2.07 Hr	

^{*}NOTE: P = Previous Year C = Current Year N = Next Year

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No	First o.Month	Times	Operation	Equipment/ Custom Oper HP Self-Prop./ Implement	Job Rate Acres/Hr				te \$ / U		Service Cost \$ / Unit	Labor Type
1	Jun	1.0	Disk	100 Offset Disk, 12'	3.00							Tractor
2	Jun	1.0	Make Borders	70 Border Disk, 6' Disk	8.00							Tractor
3	Jun		Apply Fert/Ground	70 Fertilizer Broadcaster,	12.00	11-52-00, Dry	300.00	Lb	284.00	Tn		Tractor
4	Jun	3.0	Irrigate/Run Fertilizer		2.50	Water, District 32-00-00, URAN 32,	6.00 15.00 (AI Ga	0.00 173.00			Irrigators
5	Jun	2.0	Knock Borders	70 Blade Scraper, 10'	10.00							Tractor
6	Jul	1.0	Disk	70 Tandem Disk, 12'	6.00							Tractor
7	Jul	1.0	Plant	70 Planter, Drill Type, 6 Row	6.00	Grain Sorghum Sd	10.00	Lb	95.00	CW		Tractor
8	Aug	1.0	Make Borders	70 Border Disk, 6' Disk	8.00	_						Tractor
9	Jul	1.0	Apply Herbicide/Air	CST Air Spray, 5 Ga w/ Herb.		Dicamba	0.50	Pt	103.50	Ga	4.30 Ac	;
10	Jul	1.0	Apply Insecticide/Air	CST Air Spray, 3 Gal Mix		Disulfoton	1.00	Pt	71.08	Ga	4.23 Ac	;
11	Aug	1.0	Rerun Borders	70 Border Disk, 6' Disk	10.00							Tractor
12	Aug	1.0	Cultivate	70 Rolling Cultivator, 6 Rw	6.00							Tractor
13	Aug	3.0	Irrigate	-	2.50	Water, District	6.00	ΑI	0.00	AF		Irrigators
14	Nov	1.0	Combine Harvest	Combine, Sm. Gr., PL20, 155	3.00	•						Harvest
15	Nov	1.0	Haul, Custom	CST Haul Grain							0.25 C	;
16	Nov		Knock Borders	70 Blade Scraper, 10'	10.00							Tractor
17	Nov	1.0	Cut Stalks	100 Flail Stalk Cutter, 4 Row	6.00							Tractor
18	Nov	1.0	Disk Residue	100 Offset Disk, 12'	3.00							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.