

TABLE 1. Basic cost information for the Arch Hurley Conservancy District, Quay County, 2002.

Item		
Labor Wage Rate:		
Equipment operators	\$/hour	\$7.55
General & Irrigators	\$/hour	\$6.75
Purchased Inputs:		
Fertilizer:		
Nitrogen (N)	\$/pound	\$0.32
Phosphate (P205)	\$/pound	\$0.30
Seed:		
Alfalfa	\$/pound	\$2.90
Grain Sorghum	\$/pound	\$1.11
Wheat	\$/pound	\$0.16
Wire	\$/pound	\$0.37
Canal Water		
Assessment	\$/acre	\$7.00
Water	\$/acre foot	\$7.00
Energy:		
Diesel fuel	\$/gallon	\$1.05
Gasoline	\$/gallon	\$1.00
LP Gas	\$/gallon	\$0.86
Electricity (Farmers Elec Coop)	cents/KwHr	5.84
Employee Liability Insurance	\$/(\$1,000 wages)	\$20.00
Employee Benefits	percent/wages	18.00%
Labor Downtime	percent	25.00%
Financial Rates:		
Operating Capital Interest Rate	percent	8.00%
Land Interest Rate	percent	7.50%
Equipment Interest Rate	percent	8.00%
Real Interest Rate	percent	4.00%
Land Taxes	\$96.00 /acre (full value)	\$0.84
Personal Property Tax Rate - NR	\$/(\$1,000 (Assessed Value)	\$26.16
- R		\$25.14
Supervision Factors		
Field Crop-Irrigation	\$/labor hour	\$1.00
Field Crop-Equipment & General	\$/labor hour	\$0.50
Management Rate	percent	7.00%

BUDGET AREA..... ARCH HURLEY CONSERVANCY DISTRICT, QUAY COUNTY, 2002.

FARM SIZE..... 600 ACRES
 IRRIGATION TYPE..... SPRINKLER
 NUMBER OF CROPS... 3

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE	
		AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	25.0 *	6	150
ALFALFA	200.0	24	4,800
GRAIN SORGHUM	170.0	18	3,060
ARP	0.0		
FLEX IN GRAIN SORGHUM	30.0	12	360
WHEAT	170.0	12	2,040
ARP	0.0		
FLEX IN GRAIN SORGHUM	30.0	12	360
TOTAL	600.0		10,410
ACRE FEET PER ACRE OF WATER RIGHTS			1.45

* DOUBLE-CROPPED

TABLE 1a. Overhead cost information for the Arch Hurley Conservancy District, Quay County, 2002.

ITEM			
Electricity (Domestic & Shop)		\$210.00 per month	\$2,520
Telephone		\$110.00 per month	\$1,320
Accounting & Legal			\$1,665
Misc. Supplies & Hand Tools			\$2,270
Pickup and Auto			
miles	20,600	@ \$0.345 per mile	\$7,107
Insurance			
- general liability (non-employee)			\$1,675
- fire/theft			\$1,315
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$590
Building repairs and maintenance			\$1,270
Dues, fees, publications			\$380
Farmstead Equipment			\$160
		Total	\$20,272
		Total per planted acre	\$33.79

TABLE 9. Whole farm summary, Arch Hurley Conservancy District,
Quay County, 2002.

GROSS RETURNS		
ALFALFA HAY	200 ACRES	
CROP		\$108,000
GRAZING		\$9,600
GRAIN SORGHUM	230 ACRES	
CROP		\$38,813
GRAZING		\$11,040
ASCS DEFICIENCY		\$6,003
ASCS DEFICIENCY		\$0
WHEAT	170 ACRES	
CROP		\$23,120
GRAZING		\$8,160
ASCS DEFICIENCY		\$2,086
ASCS DIVERSION		\$0
GROSS RETURN		\$206,821
CASH OPERATING EXPENSES		
SEED		\$4,809
FERTILIZER		\$16,930
CHEMICALS		\$5,885
CROP INSURANCE		\$100
OTHER PURCHASED INPUTS		\$2,908
CANAL WATER		\$10,693
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$6,511
FUEL-IRRIGATION		\$12,116
REPAIRS		\$21,800
CUSTOM CHARGES		\$0
LAND TAXES		\$502
OTHER EXPENSES		\$20,272
TOTAL CASH EXPENSES		\$102,527
RETURN OVER CASH EXPENSES		\$104,294
FIXED EXPENSES		\$29,376
TOTAL EXPENSES		\$131,903
NET FARM INCOME		\$74,918
LABOR AND MANAGEMENT COSTS		\$31,932
NET OPERATING PROFIT		\$42,986
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$2,109
INTEREST ON EQUIPMENT INVESTMENT		\$16,323
TOTAL CAPITAL COSTS		\$18,432
RETURN TO LAND AND RISK		\$24,554

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$200 /ACRE	\$19,754	13.66%
\$400 /ACRE	\$14,954	9.89%
\$600 /ACRE	\$10,154	7.75%
\$800 /ACRE	\$5,354	6.37%
\$1,000 /ACRE	\$554	5.41%
\$1,200 /ACRE	(\$4,246)	4.70%

* RETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)

** NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)

TABLE 8. Summary of per acre costs and returns for a 600 acre farm with above average management, Arch Hurley Conservancy District, Quay County, 2002.

	ALFALFA ESTABLISHMENT	ALFALFA HAY -----SPRINKLER-----	GRAIN SORGHUM	WHEAT
		TONS	CWT	BU
PRIMARY YIELD		4.50	45.00	40.00
PRIMARY PRICE		120.00	3.75	3.40
GOVERNMENT PAYMENTS		0.00	26.10	18.96
SECOND INCOME		48.00	48.00	48.00
GROSS RETURN		\$588.00	\$242.85	\$202.96
CASH OPERATING EXPENSES				
SEED	\$55.60		\$7.77	\$9.60
FERTILIZER	\$27.60	\$18.00	\$31.60	\$31.60
CHEMICALS			\$14.71	\$14.71
CROP INSURANCE			\$0.22	\$0.29
OTHER PURCHASED INPUTS		\$14.41	\$0.08	\$0.05
CANAL WATER	\$3.50	\$21.00	\$17.50	\$14.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$4.78	\$12.77	\$10.03	\$9.00
FUEL-IRRIGATION	\$6.53	\$26.13	\$19.59	\$13.06
REPAIRS	\$6.91	\$22.36	\$44.43	\$40.81
CUSTOM CHARGES		\$0.00		
LAND TAXES		\$0.84	\$0.84	\$0.84
OTHER EXPENSES	\$0.02	\$33.79	\$33.79	\$33.79
TOTAL CASH EXPENSES	\$104.94	\$149.28	\$180.56	\$167.75
RETURN OVER CASH EXPENSES	(\$104.94)	\$438.72	\$62.29	\$35.21
FIXED EXPENSES	\$11.80	\$67.45	\$50.43	\$43.47
TOTAL EXPENSES	\$116.74	\$216.73	\$230.98	\$211.23
NET FARM INCOME	(\$116.74)	\$371.27	\$11.87	(\$8.27)
LABOR AND MANAGEMENT COSTS	\$19.10	\$79.19	\$46.65	\$28.74
NET OPERATING PROFIT	(\$135.84)	\$292.08	(\$34.78)	(\$37.01)
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL		\$2.97	\$3.91	\$3.62
INTEREST ON EQUIPMENT INVESTMENT		\$30.67	\$27.08	\$23.29
TOTAL CAPITAL COSTS	\$0.00	\$33.64	\$30.99	\$26.91
RETURN TO LAND AND RISK	(\$135.84)	\$258.44	(\$65.78)	(\$63.93)

TABLE 7. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 600 acre farm with above average management, Arch Hurley Conservancy District, Quay County, 2002.

Planting dates: August 15 - September 15

Harvesting dates: June 15 - July 10

ITEM	PRICE	YIELD							TOTAL	
GROSS RETURNS										
WHEAT	\$3.40	40.00	BUSHEL						\$136.00	
ASCS DEFICIENCY	\$0.474	40.00	BUSHEL						\$18.96	
ASCS DIVERSION	\$0.00								\$0.00	
GRAZING	\$48.00	1.00	ACRE						\$48.00	
TOTAL									\$202.96	
PURCHASED INPUTS										
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS							TOTAL
SEED	\$0.16	60	LBS	\$9.60						\$9.60
NITROGEN (N)	\$0.32	80	LBS	\$25.60						\$25.60
PHOSPHATE (P205)	\$0.30	20	LBS	\$6.00						\$6.00
HERBICIDE	\$14.71	1	ACRE	\$14.71						\$14.71
CANAL WATER: Assessment	\$7.00	1	ACRE	\$7.00						\$7.00
Water	\$7.00	12	AC. IN.	\$7.00						\$7.00
CROP INSURANCE	\$0.29			\$0.29						\$0.29
SUBTOTAL				\$70.21						\$70.21
PREHARVEST OPERATIONS										
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE		PURCHASED INPUTS	LABOR	FUEL & OIL	REPAIRS	FIXED COST	TOTAL	
CHISEL	145 HP	0.08	HR		\$0.60	\$0.76	\$0.93	\$2.39	\$4.68	
DISC (2X)	145 HP	0.28	HR		\$2.11	\$2.66	\$2.85	\$4.25	\$11.87	
FLOAT	145 HP	0.24	HR		\$1.81	\$2.28	\$2.09	\$2.96	\$9.13	
FERT SPREADER	70 HP	0.05	HR		\$0.38	\$0.19	\$0.32	\$0.65	\$1.54	
DRILL	70 HP	0.18	HR		\$1.36	\$0.70	\$1.24	\$2.77	\$6.07	
IRRIGATE (8X)		0.80	HR		\$5.40	\$13.06	\$2.69	\$3.02	\$24.18	
SUBTOTAL		1.63	HR		\$11.67	\$19.64	\$10.12	\$16.05	\$57.48	
HARVEST OPERATIONS										
COMBINE	18 FT	0.19	HR		\$1.43	\$1.15	\$26.02	\$21.42	\$50.03	
HAUL	2T	0.19	HR		\$1.43	\$1.27	\$4.68	\$6.00	\$13.38	
SUBTOTAL		0.38	HR		\$2.87	\$2.42	\$30.70	\$27.43	\$63.41	
OVERHEAD EXPENSES										
DOWNTIME		0.50	HR		\$1.88				\$1.88	
EMPLOYEE BENEFITS					\$2.18				\$2.18	
INSURANCE				\$0.05					\$0.05	
LAND TAXES							\$0.84		\$0.84	
SUPERVISION AND MANAGEMENT					\$10.15				\$10.15	
OTHER EXPENSES				\$33.79					\$33.79	
SUBTOTAL		0.50	HR		\$33.84	\$14.21		\$0.84	\$48.88	
TOTAL OPERATING EXPENSES		2.51	HR		\$104.04	\$28.74	\$22.06	\$40.81	\$44.31	\$239.97
NET OPERATING PROFIT									(\$37.01)	
INTEREST ON OPERATING CAPITAL	(\$45.30	@	8.00%)					\$3.62
INTEREST ON EQUIPMENT INVESTMENT										\$23.29
RETURN TO LAND AND RISK									(\$63.93)	

BUDGET SUMMARY

GROSS RETURN		\$202.96	
VARIABLE OPERATING EXPENSES	\$166.92		
RETURN OVER VARIABLE EXPENSES		\$36.04	(GROSS MARGIN)
FIXED EXPENSES	\$44.31		
NET FARM INCOME		(\$8.27)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$28.74		
NET OPERATING PROFIT		(\$37.01)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$26.91		
RETURN TO LAND AND RISK		(\$63.93)	

TABLE 6. Grain sorghum, sprinkler-irrigated, budgeted per acre costs and returns for a 600 acre farm with above average management, Arch Hurley Conservancy District, Quay County, 2002.

Planting dates: May 15 - July 1

Harvesting dates: October 15 - December 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
GRAIN SORGHUM	\$3.75	45.00	CWT					\$168.75
ASCS DEFICIENCY	\$0.58	45.00	CWT					\$26.10
ASCS DIVERSION	\$0.00	0.00	CWT					\$0.00
GRAZING	\$48.00	1.00	ACRE					\$48.00
TOTAL								\$242.85
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	\$1.11	7 LBS	\$7.77					\$7.77
NITROGEN (N)	\$0.32	80 LBS	\$25.60					\$25.60
PHOSPHATE (P205)	\$0.30	20 LBS	\$6.00					\$6.00
HERBICIDE (CUSTOM)	\$14.71	1 ACRE	\$14.71					\$14.71
CANAL WATER: Assessment	\$7.00	1 ACRE	\$7.00					\$7.00
Water	\$7.00	18 AC. IN.	\$10.50					\$10.50
CROP INSURANCE	\$0.22			\$0.22				\$0.22
SUBTOTAL								\$71.80
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & OIL	REPAIRS	FIXED COST	TOTAL
SWEEP	145 HP	0.08 HR		\$0.60	\$0.76	\$0.93	\$2.39	\$4.68
DISC	145 HP	0.14 HR		\$1.06	\$1.33	\$1.43	\$2.12	\$5.94
FLOAT	145 HP	0.19 HR		\$1.43	\$1.80	\$1.65	\$2.34	\$7.23
DISC & SPRAY	145 HP	0.17 HR		\$1.28	\$1.61	\$2.14	\$3.44	\$8.48
FERT SPREADER	70 HP	0.05 HR		\$0.38	\$0.19	\$0.32	\$0.65	\$1.54
ROD WEED	145 HP	0.08 HR		\$0.60	\$0.76	\$0.72	\$1.32	\$3.40
PLANTER	70 HP	0.17 HR		\$1.28	\$0.66	\$1.83	\$4.30	\$8.07
CULTIVATOR	70 HP	0.13 HR		\$0.98	\$0.50	\$0.68	\$1.89	\$4.05
IRRIGATE (12X)		1.20 HR		\$8.10	\$19.59	\$4.04	\$4.54	\$36.27
SUBTOTAL		2.21 HR		\$15.73	\$27.21	\$13.73	\$23.00	\$79.67
HARVEST OPERATIONS								
COMBINE	18 FT	0.19 HR		\$1.43	\$1.15	\$26.02	\$21.42	\$50.03
HAUL	2T	0.19 HR		\$1.43	\$1.27	\$4.68	\$6.00	\$13.38
SUBTOTAL		0.38 HR		\$2.87	\$2.42	\$30.70	\$27.43	\$63.41
OVERHEAD EXPENSES								
DOWNTIME		0.65 HR		\$4.89				\$4.89
EMPLOYEE BENEFITS				\$4.23				\$4.23
INSURANCE			\$0.08				\$0.08	
LAND TAXES							\$0.84	
SUPERVISION AND MANAGEMENT				\$18.94				\$18.94
OTHER EXPENSES				\$33.79				\$33.79
SUBTOTAL		0.65 HR		\$33.86	\$28.06			\$0.84
TOTAL OPERATING EXPENSES		3.89 HR		\$105.66	\$46.65	\$29.63	\$44.43	\$51.26
NET OPERATING PROFIT								(\$34.78)
INTEREST ON OPERATING CAPITAL	(\$48.90	@	8.00%				\$3.91
INTEREST ON EQUIPMENT INVESTMENT								\$27.08
RETURN TO LAND AND RISK								(\$65.78)

BUDGET SUMMARY

GROSS RETURN		\$242.85	
VARIABLE OPERATING EXPENSES	\$179.72		
RETURN OVER VARIABLE EXPENSES		\$63.13	(GROSS MARGIN)
FIXED EXPENSES	\$51.26		
NET FARM INCOME		\$11.87	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$46.65		
NET OPERATING PROFIT		(\$34.78)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$30.99		
RETURN TO LAND AND RISK		(\$65.78)	

TABLE 5. Alfalfa hay, sprinkler-irrigated, budgeted per acre costs and returns for a 600 acre farm with above average management, Arch Hurley Conservancy District, Quay County, 2002.
Harvesting dates: May 25 - October 15

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
ALFALFA HAY	\$120.00	4.50 TONS (STACKED)						\$540.00	
GRAZING	\$48.00	1.00 ACRE						\$48.00	
TOTAL							\$588.00		
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
PHOSPHATE (P205)	\$0.30	60 LBS	\$18.00						\$18.00
WIRE	\$0.37	39 LBS	\$14.33						\$14.33
ESTABLISHMENT: Principal		8 YEARS						\$16.98	\$16.98
: Interest								\$6.08	\$6.08
CANAL WATER: Assessment	\$7.00	1 ACRE	\$7.00						\$7.00
Water	\$7.00	24 AC. IN.	\$14.00						\$14.00
SUBTOTAL			\$53.33					\$23.06	\$76.39
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & OIL	REPAIRS	FIXED COST	TOTAL	
FERT SPREADER	70 HP	0.05 HR		\$0.38	\$0.19	\$0.32	\$0.65	\$1.54	
IRRIGATE		1.20 HR		\$8.10	\$26.13	\$5.38	\$6.05	\$45.66	
SUBTOTAL		1.25 HR		\$8.48	\$26.32	\$5.70	\$6.70	\$47.20	
HARVEST OPERATIONS									
SWATHER (4X)	16 FT	0.44 HR		\$3.32	\$1.73	\$2.23	\$19.68	\$26.96	
BALER (4X)	70 HP	0.84 HR		\$6.34	\$3.26	\$2.88	\$4.30	\$16.78	
BALE WAGON, PTO (4X)	145 HP	0.80 HR		\$6.04	\$7.59	\$11.55	\$13.70	\$38.87	
SUBTOTAL		2.08 HR	\$0.00	\$15.70	\$12.58	\$16.66	\$37.68	\$82.62	
OVERHEAD EXPENSES									
DOWNTIME		0.83 HR		\$6.29				\$6.29	
EMPLOYEE BENEFITS				\$5.48				\$5.48	
INSURANCE			\$0.08					\$0.08	
LAND TAXES							\$0.84	\$0.84	
SUPERVISION AND MANAGEMENT				\$43.24				\$43.24	
OTHER EXPENSES			\$33.79					\$33.79	
SUBTOTAL		0.83 HR	\$33.87	\$55.01			\$0.84	\$89.72	
TOTAL OPERATING EXPENSES		4.16 HR	\$87.20	\$79.19	\$38.90	\$22.36	\$68.28	\$295.92	
NET OPERATING PROFIT								\$292.08	
INTEREST ON OPERATING CAPITAL	(\$37.10	@	8.00%)			\$2.97	
INTEREST ON EQUIPMENT INVESTMENT								\$30.67	
RETURN TO LAND AND RISK								\$258.44	

BUDGET SUMMARY

GROSS RETURN		\$588.00	
VARIABLE OPERATING EXPENSES	\$148.45		
RETURN OVER VARIABLE EXPENSES	\$439.55		(GROSS MARGIN)
FIXED EXPENSES	\$68.28		
NET FARM INCOME		\$371.27	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$79.19		
NET OPERATING PROFIT	\$292.08		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$33.64		
RETURN TO LAND AND RISK		\$258.44	

TABLE 4. Alfalfa establishment, sprinkler-irrigated, budgeted per acre costs and returns for a 600 acre farm with above average management, Arch Hurley Conservancy District, Quay County, 2002.
Planting dates: August 1 - September 15

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
<u>PURCHASE INPUTS</u>								
SEED	\$2.90	16 LBS		\$46.40				\$46.40
OAT SEED	\$0.23	40 LBS		\$9.20				\$9.20
NITROGEN (N)	\$0.32	30 LBS		\$9.60				\$9.60
PHOSPHATE (P205)	\$0.30	60 LBS		\$18.00				\$18.00
CANAL WATER	\$7.00	6 AC. IN.		\$3.50				\$3.50
SUBTOTAL				\$86.70				\$86.70
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & OIL	REPAIRS	FIXED COST	TOTAL
CHISEL	145 HP	0.08 HR		\$0.60	\$0.76	\$0.93	\$2.39	\$4.68
DISC	145 HP	0.14 HR		\$1.06	\$1.33	\$1.43	\$2.12	\$5.94
FLOAT	145 HP	0.19 HR		\$1.43	\$1.80	\$1.65	\$2.34	\$7.23
FERT SPREADER	70 HP	0.05 HR		\$0.38	\$0.19	\$0.32	\$0.65	\$1.54
DRILL	70 HP	0.18 HR		\$1.36	\$0.70	\$1.24	\$2.77	\$6.07
IRRIGATE (3X)		0.30 HR		\$2.03	\$6.53	\$1.35	\$1.51	\$11.41
SUBTOTAL		0.94 HR	\$0.00	\$6.86	\$11.31	\$6.91	\$11.80	\$36.87
<u>OVERHEAD EXPENSES</u>								
DOWNTIME		0.24 HR		\$1.77				\$1.77
EMPLOYEE BENEFITS				\$1.23				\$1.23
INSURANCE			\$0.02					\$0.02
SUPERVISION AND MANAGEMENT				\$9.24				\$9.24
SUBTOTAL		0.24 HR	\$0.02	\$12.25				\$12.27
TOTAL OPERATING EXPENSES		1.18 HR	\$86.72	\$19.10	\$11.31	\$6.91	\$11.80	\$135.84

TABLE 2. Pumping costs and data for irrigation wells, Arch Hurley Conservancy
District, Quay County, 2002.

INPUT DATA

DELIVERY PSI:		
SPRINKLER.....	35	
GALLONS PER MINUTE (GPM).....	700	
WORK HORSEPOWER.....	14	
EFFICIENCY FACTOR:		
ELECTRICITY.....	0.540	
LP GAS.....	0.154	
DIESEL.....	0.160	
FUEL COST PER HOUR:		
ELECTRICITY.....	5.84	CENTS/KwHr
LP GAS.....	\$0.86	\$/GAL
DIESEL.....	\$1.05	\$/GAL

PUMPING COSTS

ELECTRIC:	
COST PER HOUR.....	\$1.18
COST PER ACRE INCH.....	\$0.77
LP GAS:	
COST PER HOUR.....	\$2.24
COST PER ACRE INCH.....	\$1.45
DIESEL:	
COST PER HOUR.....	\$1.71
COST PER ACRE INCH.....	\$1.11

TABLE 3. Equipment summary for a 600 acre sprinkler-irrigated farm with above average management, Arch Hurley Conservancy
District, Quay County, 2000.

EQUIPMENT ITEM & SIZE	ANNUAL		VARIABLE COSTS					FIXED COSTS		
	HOURS OF USE	NUMBER	TOTAL VALUE	FUEL, OIL LUBRICANT	REPAIR	FUEL,OIL PER HR	REPAIR PER HR	DEPRE- CIATION	TAXES	TOTAL PER HOUR
TRACTOR 70 HP	303	1	\$8,400	\$1,177	\$1,039	\$3.88	\$3.43	\$705	\$92	\$2.63
TRACTOR 145 HP	424	1	\$39,110	\$4,021	\$3,610	\$9.48	\$8.51	\$4,652	\$304	\$11.69
COMBINE 95 HP	76	1	\$57,005	\$460	\$9,834	\$6.05	\$129.40	\$7,600	\$497	\$106.54
GRAIN HEAD 18 FT	76	1	\$3,800		\$574		\$7.55	\$443	\$29	\$6.21
SWATHER 16 FT SP	88	1	\$30,700	\$346	\$446	\$3.93	\$5.07	\$3,621	\$316	\$44.73
TRUCK 2T	76	1	\$11,500	\$507	\$1,870	\$6.67	\$24.61	\$2,300	\$100	\$31.58
DISC 14 FT	122	1	\$3,000		\$206		\$1.68	\$400	\$26	\$3.48
ROD WEEDER 23 FT	18	1	\$625		\$9		\$0.49	\$83	\$5	\$4.83
CULTIVATOR 6-ROW	30	1	\$2,500		\$54		\$1.80	\$333	\$22	\$11.88
DRILL 13 FT	35	1	\$2,150		\$121		\$3.44	\$430	\$19	\$12.78
PLANTER 6-ROW	39	1	\$4,250		\$286		\$7.31	\$850	\$37	\$22.69
FLOAT 12 FT	89	1	\$500		\$16		\$0.18	\$53	\$3	\$0.64
SPRAYER TRACTOR MTD 16 FT	39	1	\$1,400		\$94		\$2.41	\$187	\$12	\$5.09
FERT SPREADER	31	1	\$2,300		\$91		\$2.90	\$307	\$20	\$10.46
BALER PTO 2-WIRE	168	1	\$1,500		\$0		\$0.00	\$385	\$34	\$2.49
SWEEP 23 FT	34	1	\$4,350		\$106		\$3.13	\$580	\$38	\$18.17
BALE WAGON, PTO	160	1	\$1,850		\$947		\$5.92	\$800	\$70	\$5.44
CENTER PIVOT SPRINKLER	7196	1	\$17,250	\$3,598	\$1,151	\$0.50	\$0.16	\$2,300	\$150	\$0.34
ELECTRIC BOOSTER PUMP	7196	1	\$2,500	\$8,518	\$1,346	\$1.18	\$0.19	\$333	\$22	\$0.05
			\$194,690	\$18,627	\$21,800			\$26,363	\$1,797	