

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... OTERO COUNTY, Projected 2010.
FARM SIZE..... 640.00 ACRES
IRRIGATION TYPE..... SPRINKLER
NUMBER OF CROPS..... 4

VERSION 1.0

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TABLE 1. Acreage Summary, Otero County, Projected 2010.

BUDGET AREA..... DELL CITY AREA, OTERO COUNTY			
FARM SIZE.....	640 ACRES		
IRRIGATION TYPE.....	PIVOT/FLOOD		
NUMBER OF CROPS.....	5		
		WATER USE	
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	55.00 *	6	330
ALFALFA	280.00	40	11,200
WHEAT	170.00	25	4,250
ARP	0.00		
FLEX IN COTTON	30.00	30	900
WHITE CORN	50.00	48	2,400
COTTON	42.50	30	1,275
ARP	0.00		
FLEX IN COTTON	7.50	30	225
GRAIN SORGHUM	25.50	36	918
ARP	0.00		
FLEX IN COTTON	4.50	30	135
ROADS, CORNERS, DITCHES, HOMESTEAD	30.00		
TOTAL	640.00		21,633
ACRE FEET PER ACRE OF WATER RIGHTS			2.82

* DOUBLE-CROPPED

TABLE 2. Basic cost information for Dell City area, Otero County, Projected 2010.

Item			
Labor Wage Rate:			
Equipment operators	\$/hour		\$8.55
General & Irrigators	\$/hour		\$7.25
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)	\$/pound		\$0.58
Phosphate (P205)	\$/pound		\$0.51
Anhydrous Ammonia (NH3)	\$/ton		\$525.00
Seed:			
Alfalfa	\$/pound		\$3.75
Wheat	\$/pound		\$0.26
White Corn	\$/bag		\$120.00
Cotton	\$/pound		\$2.15
Diesel fuel	\$/gallon		\$2.80
Gasoline	\$/gallon		\$2.50
Electricity (Rio Grande Elec)	cents/KwHr		6.25
LP Gas	\$/gallon		\$2.55
Baling Wire	\$/pound		\$0.61
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		7.50%
Land Interest Rate	percent		7.00%
Equipment Interest Rate	percent		7.50%
Real Interest Rate	percent		3.00%
Land Taxes	\$300.00 /acre (full value)		\$2.69
Personal Property Tax Rate	- NR - R	\$/\$1,000 (Assessed Value)	\$26.87 \$21.60
Supervision Factors			
Field Crop-Irrigation	\$/labor hour		\$1.00
Field Crop-Equipment & General	\$/labor hour		\$0.50
Management Rate	percent		7.00%

TABLE 3. Overhead cost information for Dell City area, Otero County, Projected 2010.

Item			
Electricity (Domestic & Shop)	\$236.00	per month	\$2,832
Telephone	\$230.10	per month	\$2,761
Accounting & Legal			\$1,729
Misc. Supplies & Hand Tools			\$5,357
Pickup and Auto			
miles	60,770	@ \$0.415 per mile	\$25,220
Insurance			
- general liability (non-employee)			\$1,864
- fire/theft			\$1,475
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$1,416
Dues, fees, publications			\$425
Farmstead Equipment			\$189
Total			\$49,278
Total per planted acre			\$80.78

TABLE 6. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 7. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 8. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 9. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 10. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 11. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 12. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 13. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 14. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 15. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 16. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 17. Pumping Costs and Water Requirements, 2004 County

WATER USE	PERCENT OF TOTAL	PERCENT OF TOTAL
AGRICULTURE	50	50
INDUSTRIAL	10	10
DOMESTIC	40	40

TABLE 6. Alfalfa establishment, sprinkler-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2010.
Planting dates: August 1 - September 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
SEED	\$3.75	30 LBS	\$112.50					\$112.50
PUMP WATER*		6 AC. IN.						
SUBTOTAL			\$112.50					\$112.50
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	155 HP	0.14 HR		\$1.20	\$3.51	\$1.27	\$3.18	\$9.17
CHISEL	155 HP	0.20 HR		\$1.71	\$5.02	\$1.37	\$5.21	\$13.31
FLOW	155 HP	0.48 HR		\$4.10	\$12.05	\$4.97	\$13.44	\$34.56
DISC (2X)	155 HP	0.28 HR		\$2.39	\$7.03	\$2.55	\$6.37	\$18.34
DRAG (2X)	155 HP	0.30 HR		\$2.57	\$7.53	\$1.62	\$6.03	\$17.75
DRILL	93 HP	0.12 HR		\$1.03	\$1.83	\$0.46	\$3.66	\$6.97
IRRIGATE (3X)		0.30 HR		\$2.18	\$12.95	\$0.00	\$2.07	\$17.20
SUBTOTAL		1.82 HR		\$15.17	\$49.93	\$12.24	\$39.96	\$117.30
OVERHEAD EXPENSES								
DOWNTIME		0.12 HR		\$0.98				\$0.98
EMPLOYEE BENEFITS				\$2.73				\$2.73
INSURANCE			\$0.30					\$0.30
SUPERVISION AND MANAGEMENT				\$16.62				\$16.62
SUBTOTAL		0.12	\$0.30	\$20.33				\$20.63
TOTAL OPERATING EXPENSES		1.94 HR	\$112.80	\$35.50	\$49.93	\$12.24	\$39.96	\$250.44

TABLE 7. Alfalfa hay, pivot sprinkler-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2010.
Harvesting dates: June 1 - October 10

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
ALFALFA HAY	\$140.00	6.50 TONS (STACKED)						\$910.00
GRAZING	\$15.00	1.00 ACRE						\$15.00
TOTAL								\$925.00
PURCHASED INPUTS								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
NITROGEN (N)	\$0.58	75 LBS	\$43.50					\$43.50
PHOSPHATE (P2O5)	\$0.51	200 LBS	\$102.00					\$102.00
INSECTICIDE	\$16.03	2 X/ACRE	\$32.05					\$32.05
ESTABLISHMENT: Principal		5 YEARS					\$50.09	\$50.09
: Interest							\$9.93	\$9.93
BALING TWINE	\$0.61	56 LBS	\$0.34					\$0.34
PUMP WATER*		40 AC. IN.						\$0.34
SUBTOTAL							\$60.01	\$237.90
PREHARVEST OPERATIONS								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DRAG	93 HP	0.15 HR		\$1.28	\$2.28	\$0.31	\$0.49	\$4.37
IRRIGATE (11X)		1.10 HR		\$7.98	\$86.34	\$0.00	\$13.82	\$108.13
SUBTOTAL							\$14.31	\$112.50
HARVEST OPERATIONS								
SWATHER (5X)	16 FT	0.55 HR		\$4.70	\$5.77	\$0.80	\$14.09	\$25.35
BALER (5X)	93 HP	0.85 HR		\$7.27	\$12.94	\$1.95	\$4.40	\$26.56
LOAD (5X)	93 HP	1.00 HR		\$8.55	\$15.22	\$24.76	\$11.42	\$59.95
SUBTOTAL							\$29.91	\$111.87
OVERHEAD EXPENSES								
DOWNTIME		0.60 HR		\$5.13				\$5.13
EMPLOYEE BENEFITS				\$5.36				\$5.36
INSURANCE			\$0.60				\$0.60	\$0.60
LAND TAXES							\$2.69	\$2.69
SUPERVISION AND MANAGEMENT				\$67.05				\$67.05
OTHER EXPENSES			\$80.78					\$80.78
SUBTOTAL							\$2.69	\$161.61
TOTAL OPERATING EXPENSES		4.25 HR	\$259.27	\$107.32	\$122.55	\$27.82	\$106.92	\$623.88
NET OPERATING PROFIT								\$301.12
INTEREST ON OPERATING CAPITAL (\$116.30 @ 7.50%)								\$8.72
INTEREST ON EQUIPMENT INVESTMENT								\$26.88
RETURN TO LAND AND RISK								\$265.52

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$925.00	
VARIABLE OPERATING EXPENSES	\$409.64		
RETURN OVER VARIABLE EXPENSES	\$515.36		(GROSS MARGIN)
FIXED EXPENSES	\$106.92		
NET FARM INCOME	\$408.44		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$107.32		
NET OPERATING PROFIT	\$301.12		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$35.60		
RETURN TO LAND AND RISK	\$265.52		

TABLE 8. Wheat, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Projected 2010.
Planting dates: August 15 - September 15
Harvesting dates: July 15 - July 15

ITEM	PRICE	YIELD	BASE						TOTAL
GROSS RETURNS									
WHEAT	\$10.00	35.00 CWT							\$350.00
DIRECT PAYMENT	\$0.00	35.00 CWT	0.85						\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00								\$0.00
GRAZING	\$25.00	1.00 ACRE							\$25.00
TOTAL									\$375.00
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$0.26	150 LBS	\$39.00					\$39.00	
ANHYDROUS (NH3)	\$0.26	125 LBS	\$32.81					\$32.81	
LIVESTOCK FAC & EQUIP							\$5.00	\$5.00	
PUMP WATER*		25 AC. IN.						\$0.00	
CROP INSURANCE	\$0.29		\$0.29					\$0.29	
SUBTOTAL			\$72.11				\$5.00	\$77.11	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	155 HP	0.14 HR		\$1.20	\$3.51	\$1.27	\$3.18	\$9.17	
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.71	\$5.02	\$1.08	\$3.90	\$18.71	
DISC	155 HP	0.14 HR		\$1.20	\$3.51	\$1.27	\$3.18	\$9.17	
DRILL	93 HP	0.12 HR		\$1.03	\$1.83	\$0.46	\$3.66	\$6.97	
IRRIGATE (5X)		2.50 HR		\$18.13	\$53.96	\$0.00	\$4.01	\$76.10	
SUBTOTAL		3.10 HR	\$7.00	\$23.26	\$67.84	\$4.08	\$17.94	\$120.12	
HARVEST OPERATIONS									
COMBINE (CUSTOM)			\$26.00					\$26.00	
SUBTOTAL			\$26.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.00	
OVERHEAD EXPENSES									
DOWNTIME		0.15 HR		\$1.28				\$1.28	
EMPLOYEE BENEFITS				\$4.19				\$4.19	
INSURANCE			\$0.47					\$0.47	
LAND TAXES							\$2.69	\$2.69	
SUPERVISION AND MANAGEMENT				\$29.05				\$29.05	
OTHER EXPENSES			\$80.78					\$80.78	
SUBTOTAL		0.15 HR	\$81.25	\$34.52				\$2.69	\$118.45
TOTAL OPERATING EXPENSES		3.25 HR	\$186.35	\$57.77	\$67.84	\$4.08	\$25.63	\$341.68	
NET OPERATING PROFIT								\$33.32	
INTEREST ON OPERATING CAPITAL		(\$54.03 @ 7.50%)						\$4.05	
INTEREST ON EQUIPMENT INVESTMENT								\$8.48	
RETURN TO LAND AND RISK								\$20.79	

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$375.00	
VARIABLE OPERATING EXPENSES	\$258.28		
RETURN OVER VARIABLE EXPENSES	\$116.72	(GROSS MARGIN)	
FIXED EXPENSES	\$25.63		
NET FARM INCOME	\$91.10	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$57.77		
NET OPERATING PROFIT	\$33.32	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$12.54		
RETURN TO LAND AND RISK		\$20.79	

TABLE 9. White corn, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2010.
 Planting dates: April 15 - May 15
 Harvesting dates: October 1 - November 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
CORN	\$7.50	70.00 CWT						\$525.00
GRAZING	\$20.00	1.00 ACRE						\$20.00
TOTAL							\$545.00	
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$1.20	25 000	\$30.00					\$30.00
NITROGEN (N)	\$0.58	30 LBS	\$17.40					\$17.40
PHOSPHATE (P2O5)	\$0.51	70 LBS	\$35.70					\$35.70
TRACE ELEMENTS	\$0.15	65 LBS	\$9.75					\$9.75
ANHYDROUS (NH3)	\$0.26	175 LBS	\$45.94					\$45.94
INSECTICIDE (CUSTOM)	\$16.03	3 ACRE	\$48.08					\$48.08
HERBICIDE	\$9.45	1 ACRE	\$9.45					\$9.45
LIVESTOCK FAC & EQUIP							\$5.00	\$5.00
PUMP WATER*		48 AC. IN.						\$0.00
SUBTOTAL			\$196.31				\$5.00	\$201.31
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	155 HP	0.14 HR		\$1.20	\$3.51	\$1.27	\$3.18	\$9.17
CHISEL	155 HP	0.20 HR		\$1.71	\$5.02	\$1.37	\$5.21	\$13.31
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.71	\$5.02	\$1.08	\$3.90	\$18.71
DISC & SPRAY	155 HP	0.19 HR		\$1.62	\$4.77	\$1.87	\$7.15	\$15.41
LISTER	155 HP	0.12 HR		\$1.03	\$3.01	\$0.88	\$3.76	\$8.69
PLANTER	93 HP	0.17 HR		\$1.45	\$2.59	\$0.70	\$6.00	\$10.74
ROLLING CULT (3X)	93 HP	0.39 HR		\$3.33	\$5.94	\$2.26	\$3.31	\$14.84
IRRIGATE (8X)		4.00 HR		\$29.00	\$103.61	\$0.00	\$7.70	\$140.30
SUBTOTAL		5.41 HR	\$7.00	\$41.06	\$133.47	\$9.44	\$40.21	\$231.17
HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$23.25					\$23.25
HAUL (CUSTOM)			\$14.00					\$14.00
SUBTOTAL			\$37.25	\$0.00	\$0.00	\$0.00	\$0.00	\$37.25
OVERHEAD EXPENSES								
DOWNTIME		0.27 HR		\$2.33				\$2.33
EMPLOYEE BENEFITS				\$7.39				\$7.39
INSURANCE			\$0.82					\$0.82
LAND TAXES								\$2.69
SUPERVISION AND MANAGEMENT				\$44.27				\$44.27
OTHER EXPENSES			\$80.78					\$80.78
SUBTOTAL		0.27 HR	\$81.60	\$53.98			\$2.69	\$138.28
TOTAL OPERATING EXPENSES		5.68 HR	\$322.16	\$95.04	\$133.47	\$9.44	\$47.90	\$608.01
NET OPERATING PROFIT							(\$63.01)	
INTEREST ON OPERATING CAPITAL		(\$133.88 @	7.50%)			\$10.04	
INTEREST ON EQUIPMENT INVESTMENT							\$18.82	
RETURN TO LAND AND RISK							(\$91.87)	

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$545.00	
VARIABLE OPERATING EXPENSES	\$465.07		
RETURN OVER VARIABLE EXPENSES	\$79.93	(GROSS MARGIN)	
FIXED EXPENSES	\$47.90		
NET FARM INCOME	\$32.03	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$95.04		
NET OPERATING PROFIT	(\$63.01)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$28.86		
RETURN TO LAND AND RISK		(\$91.87)	

TABLE 10. Upland cotton (stripper), flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2010.
 Planting dates: April 15 - May 15
 Harvesting dates: November 1 - January 15

ITEM	PRICE	YIELD	BASE					TOTAL	
GROSS RETURNS									
COTTON LINT	\$0.76	1,000.00 LBS						\$760.00	
COTTON SEED	\$0.07	1,600.00 LBS						\$112.00	
DIRECT PAYMENT	\$0.0000	1,000.00 LBS	0.85					\$0.00	
COUNTER CYCLICAL PAYMENT	\$0.1373	720.00 LBS	0.85					\$84.03	
TOTAL								\$956.03	
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$2.15	25 LBS	\$53.75						\$53.75
NITROGEN (N)	\$0.58	72 LBS	\$41.76						\$41.76
PHOSPHATE (P2O5)	\$0.51	184 LBS	\$93.84						\$93.84
HERBICIDE (CUSTOM)	\$19.93	1 X/ACRE	\$19.93						\$19.93
INSECTICIDE (CUSTOM)	\$18.91	1 X/ACRE	\$18.91						\$18.91
CROP INSURANCE	\$0.59	FCIC	\$0.59						\$0.59
PUMP WATER*		30 AC. IN.							
SUBTOTAL			\$228.78						\$228.78
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	155 HP	0.14 HR		\$1.20	\$3.51	\$1.27	\$3.18	\$9.17	
FLOW	155 HP	0.48 HR		\$4.10	\$12.05	\$4.97	\$13.44	\$34.56	
DISC (2X)	155 HP	0.28 HR		\$2.39	\$7.03	\$2.55	\$6.37	\$18.34	
FLOAT (2X)	93 HP	0.32 HR		\$2.74	\$4.87	\$0.67	\$1.61	\$9.89	
LISTER	155 HP	0.12 HR		\$1.03	\$3.01	\$0.88	\$3.76	\$8.69	
PLANTER	155 HP	0.17 HR		\$1.45	\$4.27	\$1.26	\$8.86	\$15.85	
ROLLING CULT. (4X)	93 HP	0.52 HR		\$4.45	\$7.92	\$3.01	\$4.41	\$19.78	
HAND HOE (CUSTOM)			\$25.00					\$25.00	
IRRIGATE (6X)		3.00 HR		\$21.75	\$64.75	\$0.00	\$4.81	\$91.31	
SUBTOTAL			\$25.00	\$39.11	\$107.42	\$14.62	\$46.45	\$232.59	
HARVEST OPERATIONS									
COTTON STRIPPER	93 HP	0.62 HR		\$5.30	\$9.44	\$4.19	\$50.91	\$69.83	
HAUL	93 HP	1.00 HR		\$8.55	\$15.22	\$2.12	\$8.85	\$34.75	
GIN COTTON (CUSTOM)			\$204.40					\$204.40	
SUBTOTAL			\$204.40	\$13.85	\$24.66	\$6.31	\$59.76	\$308.98	
POST HARVEST OPERATIONS									
SHREDDER	93 HP	0.29 HR		\$2.48	\$4.41	\$0.66	\$2.88	\$10.43	
OVERHEAD EXPENSES									
DOWNTIME		0.91 HR		\$7.74				\$7.74	
EMPLOYEE BENEFITS				\$9.53				\$9.53	
INSURANCE			\$1.06					\$1.06	
LAND TAXES							\$2.69	\$2.69	
SUPERVISION AND MANAGEMENT				\$73.01				\$73.01	
OTHER EXPENSES			\$80.78					\$80.78	
SUBTOTAL			\$81.84	\$90.28			\$2.69	\$174.81	
TOTAL OPERATING EXPENSES			\$540.02	\$145.71	\$136.50	\$21.59	\$111.77	\$955.59	
NET OPERATING PROFIT								\$0.44	
INTEREST ON OPERATING CAPITAL		(\$147.48 @ 7.50%)						\$11.06	
INTEREST ON EQUIPMENT INVESTMENT								\$53.47	
RETURN TO LAND AND RISK								(\$64.09)	

* Pump water costs are shown under irrigation in the preharvest operations section.

BUDGET SUMMARY

GROSS RETURN		\$956.03	
VARIABLE OPERATING EXPENSES	\$698.10		
RETURN OVER VARIABLE EXPENSES		\$257.93	(GROSS MARGIN)
FIXED EXPENSES	\$111.77		
NET FARM INCOME		\$146.15	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$145.71		
NET OPERATING PROFIT		\$0.44	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$64.53		
RETURN TO LAND AND RISK		(\$64.09)	

TABLE 11. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2010.
 Planting dates: May 1 - June 15
 Harvesting dates: October 15 - November 15

ITEM	PRICE	YIELD	BASE						TOTAL
GROSS RETURNS									
GRAIN SORGHUM	\$7.70	50.00 CWT							\$385.00
DIRECT PAYMENT	\$0.00	50.00 CWT	0.85						\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT							\$0.00
GRAZING	\$10.00	1 ACRE							\$10.00
TOTAL									\$395.00
PURCHASED INPUTS									
	PRICE	QUANTITY	PURCHASED INPUTS						TOTAL
SEED	\$1.04	12 LBS	\$12.48						\$12.48
ANHYDROUS (NH3)	\$0.26	150 LBS	\$39.38						\$39.38
NITROGEN (N)	\$0.58	18 LBS	\$10.44						\$10.44
PHOSPHATE (P2O5)	\$0.51	46 LBS	\$23.46						\$23.46
INSECTICIDE	\$14.17	1 ACRE	\$14.17						\$14.17
HERBICIDE	\$12.26	1 ACRE	\$12.26						\$12.26
LIVESTOCK FAC & EQUIP							\$5.00		\$5.00
PUMP WATER		36 AC. IN.	\$0.00						\$0.00
CROP INSURANCE	\$1.96								\$1.96
SUBTOTAL			\$112.19				\$5.00		\$119.15
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	155 HP	0.14 HR		\$1.20	\$3.51	\$1.27	\$3.18	\$9.17	
CHISEL	155 HP	0.20 HR		\$1.71	\$5.02	\$1.37	\$5.21	\$13.31	
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.71	\$5.02	\$1.08	\$3.90	\$18.71	
DISC & SPRAY	155 HP	0.19 HR		\$1.62	\$4.77	\$1.87	\$7.15	\$15.41	
LISTER	155 HP	0.12 HR		\$1.03	\$3.01	\$0.88	\$3.76	\$8.69	
PLANTER	155 HP	0.17 HR		\$1.45	\$4.27	\$1.26	\$8.86	\$15.85	
ROLLING CULT (3X)	93 HP	0.39 HR		\$3.33	\$5.94	\$2.26	\$3.31	\$14.84	
IRRIGATE (6X)		3.00 HR		\$25.65	\$77.70	\$0.00	\$5.77	\$109.13	
SUBTOTAL		4.41 HR	\$7.00	\$37.71	\$109.25	\$10.00	\$41.15	\$205.10	
HARVEST OPERATIONS									
COMBINE (CUSTOM)	14 FT SP		\$15.00					\$15.00	
SUBTOTAL		0.00 HR	\$15.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.00	
OVERHEAD EXPENSES									
DOWNTIME		1.10 HR		\$9.43				\$9.43	
EMPLOYEE BENEFITS				\$6.79				\$6.79	
INSURANCE			\$0.75					\$0.75	
LAND TAXES							\$2.69	\$2.69	
SUPERVISION AND MANAGEMENT				\$29.86				\$29.86	
OTHER EXPENSES			\$80.78					\$80.78	
SUBTOTAL		1.10 HR	\$81.54	\$46.07			\$2.69	\$130.29	
TOTAL OPERATING EXPENSES		5.51 HR	\$215.72	\$83.77	\$109.25	\$10.00	\$48.83	\$469.54	
NET OPERATING PROFIT								(\$74.54)	
INTEREST ON OPERATING CAPITAL		(\$89.39 @ 7.50%)						\$6.70	
INTEREST ON EQUIPMENT INVESTMENT								\$19.50	
RETURN TO LAND AND RISK								(\$100.75)	

BUDGET SUMMARY

GROSS RETURN		\$395.00	
VARIABLE OPERATING EXPENSES	\$334.97		
RETURN OVER VARIABLE EXPENSES	\$60.03		(GROSS MARGIN)
FIXED EXPENSES	\$48.83		
NET FARM INCOME	\$11.19		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$83.77		
NET OPERATING PROFIT	(\$72.58)		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$26.20		
RETURN TO LAND AND RISK		(\$98.79)	

TABLE 12. Summary of per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County, Projected 2010.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	WHEAT	WHITE CORN	STRIPPER COTTON	GRAIN SORGHUM
		TONS	CWT	CWT	LBS	CWT
PRIMARY YIELD		6.50	35.00	70.00	1,000.00	50.00
PRIMARY PRICE		\$140.00	\$10.00	\$27.50	\$0.76	\$7.70
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$0.00	\$84.03	\$0.00
SECOND INCOME		\$15.00	\$25.00	\$20.00	\$112.00	\$10.00
GROSS RETURN		\$925.00	\$375.00	\$545.00	\$956.03	\$395.00
CASH OPERATING EXPENSES						
SEED	\$112.50		\$39.00	\$30.00	\$53.75	\$12.48
FERTILIZER		\$177.55	\$32.81	\$108.79	\$41.76	\$73.28
CHEMICALS				\$57.52	\$38.84	\$26.43
CROP INSURANCE			\$0.29		\$0.59	\$1.96
OTHER PURCHASED INPUTS		\$0.34			\$93.84	
CANAL WATER						
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$36.98	\$36.21	\$13.88	\$29.87	\$71.74	\$31.55
FUEL-IRRIGATION	\$12.95	\$86.34	\$53.96	\$103.61	\$64.75	\$77.70
REPAIRS	\$12.24	\$27.82	\$4.08	\$9.44	\$21.59	\$10.00
CUSTOM CHARGES			\$33.00	\$44.25	\$229.40	\$22.00
LAND TAXES		\$2.69	\$2.69	\$2.69	\$2.69	\$2.69
OTHER EXPENSES	\$0.30	\$81.38	\$81.25	\$81.60	\$81.84	\$81.54
TOTAL CASH EXPENSES	\$174.97	\$412.33	\$260.96	\$467.76	\$700.79	\$339.62
RETURN OVER CASH EXPENSES	(\$174.97)	\$512.67	\$114.04	\$77.24	\$255.24	\$55.38
FIXED EXPENSES	\$39.96	\$104.24	\$22.94	\$45.21	\$109.08	\$46.15
TOTAL EXPENSES	\$214.93	\$516.56	\$283.90	\$512.97	\$809.87	\$385.77
NET FARM INCOME	(\$214.93)	\$408.44	\$91.10	\$32.03	\$146.15	\$9.23
LABOR AND MANAGEMENT COSTS	\$35.50	\$107.32	\$57.77	\$95.04	\$145.71	\$83.77
NET OPERATING PROFIT	(\$250.44)	\$301.12	\$33.32	(\$63.01)	\$0.44	(\$74.54)
CAPITAL COSTS						
INTEREST ON OPERATING CAPITAL		\$8.72	\$4.05	\$10.04	\$11.06	\$6.70
INTEREST ON EQUIPMENT INVESTMENT		\$26.88	\$8.48	\$18.82	\$53.47	\$19.50
TOTAL CAPITAL COSTS	\$0.00	\$35.60	\$12.54	\$28.86	\$64.53	\$26.20
RETURN TO LAND AND RISK	(\$250.44)	\$265.52	\$20.79	(\$91.87)	(\$64.09)	(\$100.75)

TABLE 13. Whole farm summary, Dell City area, Otero County,
Projected 2010.

GROSS RETURNS		
ALFALFA HAY	280.00 ACRES	
CROP		\$259,000
WHEAT	170.00 ACRES	
CROP		\$59,500
GRAZING		\$4,250
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
WHITE CORN	50.00 ACRES	
CROP		\$26,250
GRAZING		\$1,000
COTTON	84.50 ACRES	
LINT		\$64,220
SEED		\$9,464
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$7,100
GRAIN SORGHUM	25.50 ACRES	
CROP		\$9,818
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
GRAZING		\$255
GROSS RETURN		<u>\$440,857</u>
CASH OPERATING EXPENSES		
SEED		\$19,178
FERTILIZER		\$66,129
CHEMICALS		\$6,832
CROP INSURANCE		\$266
OTHER PURCHASED INPUTS		\$8,025
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$22,893
FUEL-IRRIGATION		\$46,694
REPAIRS		\$11,707
CUSTOM CHARGES		\$27,768
LAND TAXES		\$1,639
OTHER EXPENSES		\$49,690
TOTAL CASH EXPENSES		<u>\$260,820</u>
RETURN OVER CASH EXPENSES		\$180,037
FIXED EXPENSES		\$33,915
TOTAL EXPENSES		<u>\$294,734</u>
NET FARM INCOME		\$146,123
LABOR AND MANAGEMENT COSTS		\$61,024
NET OPERATING PROFIT		\$85,099
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$4,739
INTEREST ON EQUIPMENT INVESTMENT		\$14,924
TOTAL CAPITAL COSTS		<u>\$19,662</u>
RETURN TO LAND AND RISK		<u>\$65,436</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	\$55,836	16.26%
\$750 /ACRE	\$51,036	12.45%
\$1,000 /ACRE	\$46,236	10.09%
\$1,250 /ACRE	\$41,436	8.48%
\$1,500 /ACRE	\$36,636	7.31%

* 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)