

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... OTERO COUNTY\Projected 2008.
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 2008.

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 2008.

Item			
Labor Wage Rate:			
Equipment operators	\$/hour		\$7.45
General & Irrigators	\$/hour		\$6.65
Purchased Inputs:			
Fertilizer:			
Nitrogen (N)	\$/pound		\$0.63
Phosphate (P205)	\$/pound		\$0.55
Anhydrous Ammonia (NH3)	\$/ton		\$565.00
Seed:			
Alfalfa	\$/pound		\$3.45
Wheat	\$/pound		\$0.28
White Corn	\$/bag		\$115.50
Cotton	\$/pound		\$1.93
Diesel fuel	\$/gallon		\$3.05
Gasoline	\$/gallon		\$2.85
Electricity (Rio Grande Elec)	cents/KwHr		9.73
LP Gas	\$/gallon		\$2.65
Baling Wire	\$/pound		\$0.55
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		7.75%
Land Interest Rate	percent		7.75%
Equipment Interest Rate	percent		7.75%
Real Interest Rate	percent		3.00%
Land Taxes	\$300.00 /acre (full value)		\$2.89
Personal Property Tax Rate	- NR - R	\$/\$1,000 (Assessed Value)	\$28.90 \$22.83
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 2008.

Item			
Electricity (Domestic & Shop)		\$224.00 per month	\$2,688
Telephone		\$218.40 per month	\$2,621
Accounting & Legal			\$1,641
Misc. Supplies & Hand Tools			\$5,085
Pickup and Auto			
miles	57,680 @	\$0.415 per mile	\$23,937
Insurance			
- general liability (non-employee)			\$1,770
- fire/theft			\$1,400
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$1,344
Dues, fees, publications			\$403
Farmstead Equipment			\$179
Total			\$47,078
Total per planted acre			\$77.18

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 2008.
Planting dates: August 1 - September 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
SEED	\$3.45	30 LBS	\$103.50					\$103.50
PUMP WATER*		6 AC. IN.						
SUBTOTAL			\$103.50					\$103.50
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	155 HP	0.14 HR		\$1.04	\$3.83	\$1.27	\$3.20	\$9.35
CHISEL	155 HP	0.20 HR		\$1.49	\$5.47	\$1.37	\$5.23	\$13.57
FLOW	155 HP	0.48 HR		\$3.58	\$13.13	\$4.97	\$13.50	\$35.17
DISC (2X)	155 HP	0.28 HR		\$2.09	\$7.66	\$2.55	\$6.40	\$18.69
DRAG (2X)	155 HP	0.30 HR		\$2.24	\$8.20	\$1.62	\$6.06	\$18.12
DRILL	93 HP	0.12 HR		\$0.89	\$2.08	\$0.46	\$3.68	\$7.11
IRRIGATE (3X)		0.30 HR		\$2.00	\$20.12	\$0.00	\$2.09	\$24.20
SUBTOTAL		1.82 HR		\$13.32	\$60.49	\$12.24	\$40.15	\$126.20
OVERHEAD EXPENSES								
DOWNTIME		0.12 HR		\$0.86				\$0.86
EMPLOYEE BENEFITS				\$2.40				\$2.40
INSURANCE			\$0.27					\$0.27
SUPERVISION AND MANAGEMENT				\$16.61				\$16.61
SUBTOTAL		0.12	\$0.27	\$19.86				\$20.13
TOTAL OPERATING EXPENSES		1.94 HR	\$103.77	\$33.18	\$60.49	\$12.24	\$40.15	\$249.83

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 2008.
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)	\$0.63	75 LBS	\$47.25					\$47.25	
PHOSPHATE (P2O5)	\$0.55	200 LBS	\$110.00					\$110.00	
INSECTICIDE	\$16.03	2 X/ACRE	\$32.05					\$32.05	
ESTABLISHMENT: Principal		5 YEARS					\$49.97	\$49.97	
: Interest							\$10.23	\$10.23	
BALING TWINE	\$0.55	56 LBS	\$0.31					\$0.31	
PUMP WATER*		40 AC. IN.						\$0.31	
SUBTOTAL			\$189.61				\$60.20	\$249.81	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DRAG	93 HP	0.15 HR		\$1.12	\$2.60	\$0.31	\$0.50	\$4.53	
IRRIGATE (11X)		1.10 HR		\$7.32	\$134.14	\$0.00	\$13.90	\$155.36	
SUBTOTAL		1.25 HR		\$8.43	\$136.74	\$0.31	\$14.40	\$159.88	
HARVEST OPERATIONS									
SWATHER (5X)	16 FT	0.55 HR		\$4.10	\$6.28	\$0.80	\$14.18	\$25.35	
BALER (5X)	93 HP	0.85 HR		\$6.33	\$14.75	\$1.95	\$4.44	\$27.47	
LOAD (5X)	93 HP	1.00 HR		\$7.45	\$17.36	\$24.76	\$11.50	\$61.07	
SUBTOTAL		2.40 HR		\$17.88	\$38.39	\$27.51	\$30.12	\$113.89	
OVERHEAD EXPENSES									
DOWNTIME		0.60 HR		\$4.47				\$4.47	
EMPLOYEE BENEFITS				\$4.74				\$4.74	
INSURANCE			\$0.53					\$0.53	
LAND TAXES							\$2.89	\$2.89	
SUPERVISION AND MANAGEMENT				\$67.05				\$67.05	
OTHER EXPENSES			\$77.18					\$77.18	
SUBTOTAL		0.60 HR		\$77.70	\$76.26			\$2.89	\$156.85
TOTAL OPERATING EXPENSES		4.25 HR		\$267.31	\$102.57	\$175.13	\$27.82	\$107.61	\$680.43
NET OPERATING PROFIT								\$244.57	
INTEREST ON OPERATING CAPITAL		(\$134.56 @	7.75%)				\$10.43	
INTEREST ON EQUIPMENT INVESTMENT								\$27.77	
RETURN TO LAND AND RISK								\$206.37	

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

BUDGET SUMMARY

GROSS RETURN		\$925.00	
VARIABLE OPERATING EXPENSES	\$470.26		
RETURN OVER VARIABLE EXPENSES		\$454.74	(GROSS MARGIN)
FIXED EXPENSES	\$107.61		
NET FARM INCOME		\$347.14	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$102.57		
NET OPERATING PROFIT		\$244.57	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$38.20		
RETURN TO LAND AND RISK		\$206.37	

TABLE 8. Wheat, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Dell City area, Projected 2008.
 Planting dates: August 15 - September 15
 Harvesting dates: July 15 - July 15

ITEM	PRICE	YIELD	BASE						TOTAL
GROSS RETURNS									
WHEAT	\$15.83	35.00 CWT							\$554.17
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									\$579.17
PURCHASED INPUTS									
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST		TOTAL
SEED	\$0.28	150 LBS	\$42.00						\$42.00
ANHYDROUS (NH3)	\$0.28	125 LBS	\$35.31						\$35.31
LIVESTOCK FAC & EQUIP							\$5.00		\$5.00
PUMP WATER*		25 AC. IN.							\$0.00
CROP INSURANCE	\$0.29		\$0.29						\$0.29
SUBTOTAL			\$77.61				\$5.00		\$82.61
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST		TOTAL
DISC	155 HP	0.14 HR		\$1.04	\$3.83	\$1.27	\$3.20		\$9.35
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.49	\$5.47	\$1.08	\$3.92		\$18.95
DISC	155 HP	0.14 HR		\$1.04	\$3.83	\$1.27	\$3.20		\$9.35
DRILL	93 HP	0.12 HR		\$0.89	\$2.08	\$0.46	\$3.68		\$7.11
IRRIGATE (5X)		2.50 HR		\$16.63	\$83.84	\$0.00	\$4.04		\$104.50
SUBTOTAL		3.10 HR	\$7.00	\$21.10	\$99.05	\$4.08	\$18.03		\$149.26
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		\$1.12					\$1.12
EMPLOYEE BENEFITS				\$3.80					\$3.80
INSURANCE			\$0.42						\$0.42
LAND TAXES							\$2.89		\$2.89
SUPERVISION AND MANAGEMENT				\$43.34					\$43.34
OTHER EXPENSES			\$77.18						\$77.18
SUBTOTAL		0.15 HR	\$77.60	\$48.26			\$2.89		\$128.74
TOTAL OPERATING EXPENSES		3.25 HR	\$188.20	\$69.35	\$99.05	\$4.08	\$25.92		\$386.61
NET OPERATING PROFIT									\$192.56
INTEREST ON OPERATING CAPITAL		(\$64.59 @ 7.75%)							\$5.01
INTEREST ON EQUIPMENT INVESTMENT									\$8.77
RETURN TO LAND AND RISK									\$178.79

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

BUDGET SUMMARY

GROSS RETURN		\$579.17	
VARIABLE OPERATING EXPENSES	\$291.33		
RETURN OVER VARIABLE EXPENSES	\$287.83	(GROSS MARGIN)	
FIXED EXPENSES	\$25.92		
NET FARM INCOME	\$261.91	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$69.35		
NET OPERATING PROFIT	\$192.56	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$13.77		
RETURN TO LAND AND RISK		\$178.79	

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 2008.
 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	\$1.16	25 000	\$28.88		\$28.88
NITROGEN (N)	\$0.63	30 LBS	\$18.90		\$18.90
PHOSPHATE (P2O5)	\$0.55	70 LBS	\$38.50		\$38.50
TRACE ELEMENTS	\$0.15	65 LBS	\$9.75		\$9.75
ANHYDROUS (NH3)	\$0.28	175 LBS	\$49.44		\$49.44
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			\$202.99	\$5.00	\$207.99

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	155 HP	0.14 HR		\$1.04	\$3.83	\$1.27	\$3.20	\$9.35
CHISEL	155 HP	0.20 HR		\$1.49	\$5.47	\$1.37	\$5.23	\$13.57
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.49	\$5.47	\$1.08	\$3.92	\$18.95
DISC & SPRAY	155 HP	0.19 HR		\$1.42	\$5.20	\$1.87	\$7.18	\$15.66
LISTER	155 HP	0.12 HR		\$0.89	\$3.28	\$0.88	\$3.78	\$8.84
PLANTER	93 HP	0.17 HR		\$1.27	\$2.95	\$0.70	\$6.03	\$10.94
ROLLING CULT (3X)	93 HP	0.39 HR		\$2.91	\$6.77	\$2.26	\$3.33	\$15.26
IRRIGATE (8X)		4.00 HR		\$26.60	\$160.96	\$0.00	\$7.76	\$195.32
SUBTOTAL		5.41 HR	\$7.00	\$37.10	\$193.93	\$9.44	\$40.42	\$287.89

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		\$2.03				\$2.03
EMPLOYEE BENEFITS				\$6.68				\$6.68
INSURANCE			\$0.74					\$0.74
LAND TAXES						\$2.89		\$2.89
SUPERVISION AND MANAGEMENT				\$44.27				\$44.27
OTHER EXPENSES			\$77.18					\$77.18
SUBTOTAL		0.27 HR	\$77.92	\$52.97		\$2.89		\$133.78

TOTAL OPERATING EXPENSES 5.68 HR \$325.15 \$90.08 \$193.93 \$9.44 \$48.31 \$666.91

NET OPERATING PROFIT (\$121.91)

INTEREST ON OPERATING CAPITAL (\$152.33 @ 7.75%) \$11.81
 INTEREST ON EQUIPMENT INVESTMENT \$19.45

RETURN TO LAND AND RISK (\$153.16)

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

GROSS RETURN		\$545.00	
VARIABLE OPERATING EXPENSES	\$528.52		
RETURN OVER VARIABLE EXPENSES	\$16.48	(GROSS MARGIN)	
FIXED EXPENSES	\$48.31		
NET FARM INCOME		(\$31.83)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$90.08		
NET OPERATING PROFIT		(\$121.91)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$31.25		
RETURN TO LAND AND RISK		(\$153.16)	

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 2008.
 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									
	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$1.93	25 LBS	\$48.25					\$48.25	
NITROGEN (N)	\$0.63	72 LBS	\$45.36					\$45.36	
PHOSPHATE (P2O5)	\$0.55	184 LBS	\$101.20					\$101.20	
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			\$234.24						\$234.24
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	155 HP	0.14 HR		\$1.04	\$3.83	\$1.27	\$3.20	\$9.35	
FLOW	155 HP	0.48 HR		\$3.58	\$13.13	\$4.97	\$13.50	\$35.17	
DISC (2X)	155 HP	0.28 HR		\$2.09	\$7.66	\$2.55	\$6.40	\$18.69	
FLOAT (2X)	93 HP	0.32 HR		\$2.38	\$5.55	\$0.67	\$1.62	\$10.23	
LISTER	155 HP	0.12 HR		\$0.89	\$3.28	\$0.88	\$3.78	\$8.84	
PLANTER	155 HP	0.17 HR		\$1.27	\$4.65	\$1.26	\$8.90	\$16.08	
ROLLING CULT. (4X)	93 HP	0.52 HR		\$3.87	\$9.02	\$3.01	\$4.44	\$20.35	
HAND HOE (CUSTOM)			\$25.00					\$25.00	
IRRIGATE (6X)		3.00 HR		\$19.95	\$100.60	\$0.00	\$4.85	\$125.40	
SUBTOTAL			5.03 HR	\$25.00	\$147.72	\$14.62	\$46.69	\$269.10	
HARVEST OPERATIONS									
COTTON STRIPPER	93 HP	0.62 HR		\$4.62	\$10.76	\$4.19	\$51.16	\$70.72	
HAUL	93 HP	1.00 HR		\$7.45	\$17.36	\$2.12	\$8.92	\$35.85	
GIN COTTON (CUSTOM)			\$204.40					\$204.40	
SUBTOTAL			1.62 HR	\$204.40	\$12.07	\$28.12	\$6.31	\$310.97	
POST HARVEST OPERATIONS									
SHREDDER	93 HP	0.29 HR		\$2.16	\$5.03	\$0.66	\$2.90	\$10.75	
OVERHEAD EXPENSES									
DOWNTIME		0.91 HR		\$6.74				\$6.74	
EMPLOYEE BENEFITS				\$8.49				\$8.49	
INSURANCE			\$0.94					\$0.94	
LAND TAXES							\$2.89	\$2.89	
SUPERVISION AND MANAGEMENT				\$73.01				\$73.01	
OTHER EXPENSES			\$77.18					\$77.18	
SUBTOTAL			0.91 HR	\$78.12	\$88.23		\$2.89	\$169.24	
TOTAL OPERATING EXPENSES			7.85 HR	\$541.76	\$137.54	\$180.87	\$21.59	\$994.30	
NET OPERATING PROFIT								(\$38.27)	
INTEREST ON OPERATING CAPITAL		(\$160.57	@	7.75%)		\$12.44	
INTEREST ON EQUIPMENT INVESTMENT								\$55.25	
RETURN TO LAND AND RISK								(\$105.97)	

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

GROSS RETURN		\$956.03	
VARIABLE OPERATING EXPENSES	\$744.22		
RETURN OVER VARIABLE EXPENSES		\$211.81	(GROSS MARGIN)
FIXED EXPENSES	\$112.55		
NET FARM INCOME		\$99.26	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$137.54		
NET OPERATING PROFIT		(\$38.27)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$67.69		
RETURN TO LAND AND RISK		(\$105.97)	

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 2008.
 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									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$1.04	12 LBS	\$12.48					\$12.48	
ANHYDROUS (NH3)	\$0.28	150 LBS	\$42.38					\$42.38	
NITROGEN (N)	\$0.63	18 LBS	\$11.34					\$11.34	
PHOSPHATE (P2O5)	\$0.55	46 LBS	\$25.30					\$25.30	
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			\$117.93				\$5.00	\$124.89	
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
DISC	155 HP	0.14 HR		\$1.04	\$3.83	\$1.27	\$3.20	\$9.35	
CHISEL	155 HP	0.20 HR		\$1.49	\$5.47	\$1.37	\$5.23	\$13.57	
ANHYDROUS APPL	155 HP	0.20 HR	\$7.00	\$1.49	\$5.47	\$1.08	\$3.92	\$18.95	
DISC & SPRAY	155 HP	0.19 HR		\$1.42	\$5.20	\$1.87	\$7.18	\$15.66	
LISTER	155 HP	0.12 HR		\$0.89	\$3.28	\$0.88	\$3.78	\$8.84	
PLANTER	155 HP	0.17 HR		\$1.27	\$4.65	\$1.26	\$8.90	\$16.08	
ROLLING CULT (3X)	93 HP	0.39 HR		\$2.91	\$6.77	\$2.26	\$3.33	\$15.26	
IRRIGATE (6X)		3.00 HR		\$22.35	\$120.72	\$0.00	\$5.82	\$148.89	
SUBTOTAL		4.41 HR	\$7.00	\$32.85	\$155.39	\$10.00	\$41.36	\$246.60	
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		\$8.21				\$8.21	
EMPLOYEE BENEFITS				\$5.91				\$5.91	
INSURANCE			\$0.66					\$0.66	
LAND TAXES						\$2.89		\$2.89	
SUPERVISION AND MANAGEMENT				\$29.86				\$29.86	
OTHER EXPENSES			\$77.18					\$77.18	
SUBTOTAL		1.10 HR	\$77.83	\$43.98			\$2.89	\$124.71	
TOTAL OPERATING EXPENSES		5.51 HR	\$217.76	\$76.84	\$155.39	\$10.00	\$49.25	\$511.19	
NET OPERATING PROFIT								(\$116.19)	
INTEREST ON OPERATING CAPITAL		(\$103.79 @ 7.75%)						\$8.04	
INTEREST ON EQUIPMENT INVESTMENT								\$20.15	
RETURN TO LAND AND RISK								(\$144.38)	

BUDGET SUMMARY

GROSS RETURN		\$395.00	
VARIABLE OPERATING EXPENSES	\$383.15		
RETURN OVER VARIABLE EXPENSES		\$11.85	(GROSS MARGIN)
FIXED EXPENSES	\$49.25		
NET FARM INCOME		(\$37.39)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$76.84		
NET OPERATING PROFIT		(\$114.23)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$28.19		
RETURN TO LAND AND RISK		(\$142.42)	

TABLE 12. Summary of per acre costs and returns for a 640 acre farm with above average management, Dell City area, Otero County
Projected 2008.

	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	\$15.83	\$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	\$579.17	\$545.00	\$956.03	\$395.00
CASH OPERATING EXPENSES						
SEED	\$103.50		\$42.00	\$28.88	\$48.25	\$12.48
FERTILIZER		\$189.30	\$35.31	\$116.59	\$45.36	\$79.02
CHEMICALS				\$57.52	\$38.84	\$26.43
CROP INSURANCE			\$0.29		\$0.59	\$1.96
OTHER PURCHASED INPUTS		\$0.31			\$101.20	
CANAL WATER						
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$40.37	\$40.99	\$15.21	\$32.96	\$80.27	\$34.66
FUEL-IRRIGATION	\$20.12	\$134.14	\$83.84	\$160.96	\$100.60	\$120.72
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		\$2.89	\$2.89	\$2.89	\$2.89	\$2.89
OTHER EXPENSES	\$0.27	\$77.70	\$77.60	\$77.92	\$78.12	\$77.83
TOTAL CASH EXPENSES	\$176.50	\$473.15	\$294.22	\$531.41	\$747.11	\$388.00
RETURN OVER CASH EXPENSES	(\$176.50)	\$451.85	\$284.94	\$13.59	\$208.92	\$7.00
FIXED EXPENSES	\$40.15	\$104.72	\$23.03	\$45.42	\$109.66	\$46.36
TOTAL EXPENSES	\$216.65	\$577.86	\$317.26	\$576.83	\$856.76	\$434.35
NET FARM INCOME	(\$216.65)	\$347.14	\$261.91	(\$31.83)	\$99.26	(\$39.35)
LABOR AND MANAGEMENT COSTS	\$33.18	\$102.57	\$69.35	\$90.08	\$137.54	\$76.84
NET OPERATING PROFIT	(\$249.83)	\$244.57	\$192.56	(\$121.91)	(\$38.27)	(\$116.19)
CAPITAL COSTS						
INTEREST ON OPERATING CAPITAL		\$10.43	\$5.01	\$11.81	\$12.44	\$8.04
INTEREST ON EQUIPMENT INVESTMENT		\$27.77	\$8.77	\$19.45	\$55.25	\$20.15
TOTAL CAPITAL COSTS	\$0.00	\$38.20	\$13.77	\$31.25	\$67.69	\$28.19
RETURN TO LAND AND RISK	(\$249.83)	\$206.37	\$178.79	(\$153.16)	(\$105.97)	(\$144.38)

TABLE 13. Whole farm summary, Dell City area, Otero County,
Projected 2008.

GROSS RETURNS		
ALFALFA HAY	280.00 ACRES	
CROP		\$259,000
WHEAT	170.00 ACRES	
CROP		\$94,208
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>\$475,565</u>
CASH OPERATING EXPENSES		
SEED		\$18,672
FERTILIZER		\$70,685
CHEMICALS		\$6,832
CROP INSURANCE		\$266
OTHER PURCHASED INPUTS		\$8,637
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$25,599
FUEL-IRRIGATION		\$72,545
REPAIRS		\$11,707
CUSTOM CHARGES		\$27,768
LAND TAXES		\$1,763
OTHER EXPENSES		\$47,445
TOTAL CASH EXPENSES		<u>\$291,917</u>
RETURN OVER CASH EXPENSES		\$183,648
FIXED EXPENSES		\$34,174
TOTAL EXPENSES		\$326,091
NET FARM INCOME		\$149,475
LABOR AND MANAGEMENT COSTS		\$60,419
NET OPERATING PROFIT		\$89,055
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$5,618
INTEREST ON EQUIPMENT INVESTMENT		\$15,421
TOTAL CAPITAL COSTS		<u>\$21,038</u>
RETURN TO LAND AND RISK		<u>\$68,017</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	\$58,417	17.33%
\$750 /ACRE	\$53,617	13.21%
\$1,000 /ACRE	\$48,817	10.68%
\$1,250 /ACRE	\$44,017	8.96%
\$1,500 /ACRE	\$39,217	7.72%

* 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)