

MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA..... BLACKWATER DRAW AREA, ROOSEVELT COUN
FARM SIZE..... 960.00 ACRES
IRRIGATION TYPE..... SPRINKLER
NUMBER OF CROPS..... 4

VERSION 1.0

COPYRIGHT (C) 1984 by NEW MEXICO STATE UNIVERSITY BOARD OF REGENTS

New Mexico State University is an equal opportunity employer. All programs are available to everyone regardless of race, color, religion, sex, age, handicap, or national origin. New Mexico State University and the U.S. Department of Agriculture Cooperating.

* YOU MAY ENTER DATA IN ANY INPUT TABLE WITH
HIGHLIGHTED CELLS OR YOU MAY STRIKE
[ENTER] AND RETURN TO THE MENU

** BE SURE PRINTER IS ON AND PAPER IS ALIGNED
BEFORE YOU PRINT

TABLE 1. Acreage Summary, Roosevelt County,
Projected 2018

BUDGET AREA.....	BLACKWATER DRAW AREA, ROOSEVELT COUNTY
FARM SIZE.....	960 ACRES
IRRIGATION TYPE.....	SPRINKLER
NUMBER OF CROPS....	4

ACREAGE SUMMARY:	LAND USE (ACRES)	WATER USE	
		AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	25.00 *	9	225
ALFALFA	125.00	30	3,750
WHEAT	212.50	18	3,825
ARP	0.00		
FLEX IN CORN	37.50	30	1,125
CORN	106.25	30	3,188
ARP	0.00		
FLEX IN CORN	18.75	30	563
PEANUTS	250.00	22	5,500
CORNERS, HOMESTEAD	210.00		
TOTAL	960.00		18,175
ACRE FEET PER ACRE OF WATER RIGHTS			1.58

* DOUBLE-CROPPED

TABLE 2. Basic cost information for the Blackwater Draw area, Roosevelt County,
Projected 2018

Item		
Labor Wage Rate:		
Equipment operators	\$/hour	\$8.55
General & Irrigators	\$/hour	\$7.50
Purchased Inputs:		
Fertilizer:		
Nitrogen (N)	\$/pound	\$0.31
Phosphate (P205)	\$/pound	\$0.24
Seed:		
Wheat	\$/pound	\$0.44
Corn	\$/bag	\$240.00
Alfalfa	\$/pound	\$4.00
Peanuts	\$/pound	\$1.10
Energy:		
Natural gas (Gas NM)	\$/MCF	\$3.99
Diesel fuel	\$/gallon	\$2.70
Gasoline	\$/gallon	\$2.40
Electricity (SWPS)	cents/KwHr	11.68
LP Gas	\$/gallon	\$2.75
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	5.50%
Land Interest Rate	percent	5.00%
Equipment Interest Rate	percent	5.50%
Real Interest Rate	percent	3.00%
Land Taxes	\$89.00 /acre (full value)	\$0.68
Personal Property Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value) \$23.08 \$19.78
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 Blackwater Draw area, Roosevelt County,
Projected 2018

Item			
Electricity (Domestic & Shop)		\$419.10 per month	\$5,029
Telephone		\$177.80 per month	\$2,134
Accounting & Legal			\$2,800
Misc. Supplies & Hand Tools			\$3,835
Pickup and Auto			
miles	32,703	@ \$0.500 per mile	\$16,351
Insurance			
- general liability (non-employee)			\$2,502
- fire/theft			\$2,007
Property Taxes			
- non-planted land			\$0
- other than land & machinery			\$6,010
Building repairs and maintenance			\$1,250
Dues, fees, publications			\$457
Farmstead Equipment			\$298
Total			\$42,674
Total Per Planted Acre			\$56.90

TABLE 6. Alfalfa establishment, sprinkler-irrigated, budgeted per acre costs and returns for a 960 acre farm with above average management, Roosevelt County, Projected 2018
Planting Dates: August 15 - August 30

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
SEED	\$4.00	20 LBS	\$80.00					\$80.00
NITROGEN (N)	\$0.31	40 LBS	\$12.40					\$12.40
PHOSPHATE (P2O5)	\$0.24	60 LBS	\$14.40					\$14.40
PUMP WATER*		9 AC. IN.						
SUBTOTAL			\$106.80					\$106.80
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.09 HR		\$0.77	\$2.52	\$1.18	\$1.37	\$5.84
PLOW	185 HP	0.29 HR		\$2.48	\$8.11	\$3.47	\$4.16	\$18.23
FLOAT	140 HP	0.19 HR		\$1.62	\$4.01	\$0.83	\$4.25	\$10.72
FERT SPREADER	140 HP	0.05 HR		\$0.43	\$1.05	\$0.22	\$0.53	\$2.23
DISC	185 HP	0.09 HR		\$0.77	\$2.52	\$1.18	\$1.37	\$5.84
PRE-IRRIGATE		0.10 HR		\$0.75	\$15.85	\$3.19	\$1.12	\$20.92
DRILL	140 HP	0.10 HR		\$0.86	\$2.11	\$0.61	\$4.20	\$7.77
IRRIGATE (2X)		0.20 HR		\$1.50	\$31.71	\$6.39	\$2.24	\$41.84
SUBTOTAL		1.11 HR		\$9.18	\$67.88	\$17.07	\$19.25	\$113.37
OVERHEAD EXPENSES								
DOWNTIME		0.19 HR		\$1.62				\$1.62
EMPLOYEE BENEFITS				\$1.65				\$1.65
INSURANCE			\$0.18					\$0.18
SUPERVISION AND MANAGEMENT				\$8.18				\$8.18
SUBTOTAL		0.19 HR	\$0.18	\$11.46				\$11.64
TOTAL OPERATING EXPENSES		1.30 HR	\$106.98	\$20.63	\$67.88	\$17.07	\$19.25	\$231.81

TABLE 7. Alfalfa hay, sprinkler-irrigated, budgeted per acre costs and returns for a 960 acre farm with above average management, Blackwater Draw area, Roosevelt County, Projected 2018
Harvest Dates: May 20 - October 15

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
HAY	\$185.00	5.20 TONS (STACKED)	\$962.00
GRAZING	\$50.00	1.00 ACRE	\$50.00
TOTAL			\$1,012.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
PHOSPHATE (P2O5)	\$0.24	150 LBS	\$36.00		\$36.00
PLASTIC TWINE	\$19.15	884 FT	\$4.23		\$4.23
INSECTICIDE (CUSTOM)	\$20.01	1 X/ACRE	\$20.01		\$20.01
HERBICIDE (CUSTOM)	\$16.96	1 X/ACRE	\$16.96		\$16.96
ESTABLISHMENT: Principal		5 YEARS		\$46.36	\$46.36
: Interest				\$7.26	\$7.26
PUMP WATER*		30 AC. IN.			
SUBTOTAL			\$77.20	\$53.63	\$130.83

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE		1.00 HR		\$7.50	\$158.53	\$31.95	\$11.21	\$209.18
FERT SPREADER	140 HP	0.05 HR		\$0.43	\$1.05	\$0.22	\$0.53	\$2.23
SUBTOTAL		1.05 HR		\$7.93	\$159.58	\$32.16	\$11.74	\$211.41

HARVEST OPERATIONS

SWATHER (5X)	S.P.	0.80 HR		\$6.84	\$8.09	\$0.46	\$12.49	\$27.88
RAKE (5X)	140 HP	0.40 HR		\$3.42	\$8.44	\$2.12	\$7.13	\$21.11
BALER (5X)	185 HP	0.35 HR		\$2.99	\$9.79	\$2.59	\$52.21	\$67.59
FRONT END LOADER (5X)	140 HP	1.25 HR		\$10.69	\$26.37	\$9.39	\$15.33	\$61.78
SUBTOTAL		2.80 HR	\$0.00	\$23.94	\$52.69	\$14.57	\$87.17	\$178.37

OVERHEAD EXPENSES

DOWNTIME		0.70 HR		\$5.99				\$5.99
EMPLOYEE BENEFITS				\$5.74				\$5.74
INSURANCE			\$0.16					\$0.16
LAND TAXES							\$0.68	\$0.68
SUPERVISION AND MANAGEMENT				\$73.27				\$73.27
OTHER EXPENSES			\$56.90					\$56.90
SUBTOTAL		0.70 HR	\$57.06	\$84.99			\$0.68	\$142.73

TOTAL OPERATING EXPENSES 4.55 HR \$134.26 \$116.85 \$212.27 \$46.73 \$153.22 \$663.33

NET OPERATING PROFIT \$348.67

INTEREST ON OPERATING CAPITAL (\$92.14 @ 5.50%) \$5.07
INTEREST ON EQUIPMENT INVESTMENT \$39.02

RETURN TO LAND AND RISK \$304.59

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

BUDGET SUMMARY

GROSS RETURN		\$1,012.00	
VARIABLE OPERATING EXPENSES	\$393.26		
RETURN OVER VARIABLE EXPENSES	\$618.74	(GROSS MARGIN)	
FIXED EXPENSES	\$153.22		
NET FARM INCOME	\$465.52	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$116.85		
NET OPERATING PROFIT	\$348.67	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$44.08		
RETURN TO LAND AND RISK	\$304.59		

TABLE 8. Wheat, sprinkler-irrigated, budgeted per acre costs and returns for a 960 acre farm with above average management, Blackwater Draw area, Roosevelt County, Projected 2018
 Planting Dates: August 20 - September 15
 Harvest Dates: June 1 - June 25

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
WHEAT	\$4.40	60.00 BUSHELS		\$264.00
DIRECT PAYMENT	\$0.00	60.00 BUSHELS	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00			\$0.00
GRAZING	\$0.00	1.00 ACRE		\$0.00
TOTAL				\$264.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$0.44	120 LBS	\$52.80		\$52.80
NITROGEN (N)	\$0.31	120 LBS	\$37.20		\$37.20
PHOSPHATE (P2O5)	\$0.24	40 LBS	\$9.60		\$9.60
INSECTICIDE (CUSTOM)	\$20.01	1 X/ACRE	\$20.01		\$20.01
PUMP WATER*		18 AC. IN.			
CROP INSURANCE	\$0.24		\$0.24		\$0.24
SUBTOTAL			\$119.84		\$119.84

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
BROADCAST (CUSTOM) IRRIGATE (17X)		0.85 HR	\$4.00	\$6.38	\$95.12	\$19.17	\$6.73	\$127.39
SUBTOTAL		0.85 HR	\$4.00	\$6.38	\$95.12	\$19.17	\$6.73	\$131.39

HARVEST OPERATIONS

COMBINE (CUSTOM)			\$5.97					\$5.97
HAUL (CUSTOM)			\$9.60					\$9.60
SUBTOTAL			\$15.57					\$15.57

OVERHEAD EXPENSES

DOWNTIME		0.00 HR		\$0.00				\$0.00
EMPLOYEE BENEFITS				\$1.15				\$1.15
INSURANCE			\$0.13					\$0.13
LAND TAXES							\$0.68	\$0.68
SUPERVISION AND MANAGEMENT				\$19.33				\$19.33
OTHER EXPENSES			\$56.90					\$56.90
SUBTOTAL		0.00 HR	\$57.03	\$20.48			\$0.68	\$78.19

TOTAL OPERATING EXPENSES 0.85 HR \$196.44 \$26.85 \$95.12 \$19.17 \$7.41 \$344.99

NET OPERATING PROFIT (\$80.99)

INTEREST ON OPERATING CAPITAL	(\$89.79	@	5.50%)			\$4.94
INTEREST ON EQUIPMENT INVESTMENT								\$2.86

RETURN TO LAND AND RISK (\$88.78)

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

BUDGET SUMMARY

GROSS RETURN		\$264.00		
VARIABLE OPERATING EXPENSES	\$310.72			
RETURN OVER VARIABLE EXPENSES		(\$46.72)	(GROSS MARGIN)	
FIXED EXPENSES	\$7.41			
NET FARM INCOME		(\$54.13)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$26.85			
NET OPERATING PROFIT		(\$80.99)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$7.79			
RETURN TO LAND AND RISK		(\$88.78)		

TABLE 9. Corn for grain, sprinkler-irrigated, budgeted per acre costs and returns for a 960 acre farm with above average management, Blackwater Draw area, Roosevelt County, Projected 2018
 Planting Dates: April 25 - May 30
 Harvest Dates: November 1 - November 30

ITEM	PRICE	YIELD	BASE	TOTAL
GROSS RETURNS				
CORN FOR GRAIN	\$6.61	100.00 CWT		\$660.71
DIRECT PAYMENT	\$0.00	100.00 CWT	0.85	\$0.00
COUNTER CYCLICAL PAYMENT	\$0.00	0.00 CWT		\$0.00
GRAZING	\$15.00	1.00 ACRE		\$15.00
TOTAL				\$675.71

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED	\$3.00	24 000	\$72.00		\$72.00
NITROGEN (N)	\$0.31	250 LBS	\$77.50		\$77.50
PHOSPHATE (P205)	\$0.24	80 LBS	\$19.20		\$19.20
POTASH (K20)	\$0.13	40 LBS	\$5.00		\$5.00
TRACE ELEMENTS	\$15.36	1 X/ACRE	\$15.36		\$15.36
HERBICIDE	\$21.24	1 X/ACRE	\$21.24		\$21.24
INSECTICIDE (CUSTOM)	\$24.65	1 X/ACRE	\$24.65		\$24.65
PUMP WATER*		30 AC. IN.			
CROP INSURANCE	\$0.31		\$0.31		\$0.31
SUBTOTAL			\$235.26		\$235.26

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (2X)	185 HP	0.18 HR		\$1.54	\$5.03	\$2.36	\$2.75	\$11.68
PLOW	185 HP	0.29 HR		\$2.48	\$8.11	\$3.47	\$4.16	\$18.23
CHISEL (2X)	185 HP	0.20 HR		\$1.71	\$5.59	\$2.40	\$2.87	\$12.57
FERT SPREADER	140 HP	0.05 HR		\$0.43	\$1.05	\$0.22	\$0.53	\$2.23
PRE-IRRIGATE (3X)		0.30 HR		\$2.25	\$31.71	\$6.39	\$2.24	\$42.59
LISTER (3X)	185 HP	0.27 HR		\$2.31	\$7.55	\$2.60	\$3.44	\$15.90
ROD WEED	185 HP	0.08 HR		\$0.68	\$2.24	\$0.51	\$1.24	\$4.67
PLANTER	185 HP	0.12 HR		\$1.03	\$3.36	\$1.00	\$3.81	\$9.19
SAND FURROW (5X)	140 HP	0.50 HR		\$4.28	\$10.55	\$4.66	\$7.40	\$26.88
IRRIGATE (12X)		1.20 HR		\$9.00	\$126.82	\$25.56	\$8.97	\$170.35
SUBTOTAL		3.19 HR		\$25.70	\$202.02	\$49.15	\$37.40	\$314.27

HARVEST OPERATIONS								
COMBINE (CUSTOM)			\$35.00					\$35.00
HAUL (CUSTOM)			\$18.00					\$18.00
SUBTOTAL			\$53.00					\$53.00

OVERHEAD EXPENSES								
DOWNTIME		0.41 HR		\$3.51				\$3.51
EMPLOYEE BENEFITS				\$4.63				\$4.63
INSURANCE			\$0.51					\$0.51
LAND TAXES						\$0.68		\$0.68
SUPERVISION AND MANAGEMENT				\$49.65				\$49.65
OTHER EXPENSES			\$56.90					\$56.90
SUBTOTAL		0.41 HR	\$57.41	\$57.78		\$0.68		\$115.87

TOTAL OPERATING EXPENSES	3.60 HR	\$345.67	\$83.48	\$202.02	\$49.15	\$38.09	\$718.40
---------------------------------	----------------	-----------------	----------------	-----------------	----------------	----------------	-----------------

NET OPERATING PROFIT							(\$42.69)
-----------------------------	--	--	--	--	--	--	------------------

INTEREST ON OPERATING CAPITAL	(\$184.84	@	5.50%)		\$10.17
INTEREST ON EQUIPMENT INVESTMENT							\$12.33

RETURN TO LAND AND RISK							(\$65.19)
--------------------------------	--	--	--	--	--	--	------------------

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

BUDGET SUMMARY

GROSS RETURN		\$675.71	
VARIABLE OPERATING EXPENSES	\$596.84		
RETURN OVER VARIABLE EXPENSES	\$78.87	(GROSS MARGIN)	
FIXED EXPENSES	\$38.09		
NET FARM INCOME	\$40.79	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$83.48		
NET OPERATING PROFIT	(\$42.69)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$22.50		
RETURN TO LAND AND RISK	(\$65.19)		

TABLE 10. Peanuts, sprinkler-irrigated, budgeted per acre costs and returns for a 960 acre farm with above average management, Blackwater Draw area, Roosevelt County, Projected 2018
 Planting Dates: May 10 - June 10
 Harvest Dates: October 10 - November 10

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS			
PEANUTS	\$0.1650	2,700.00 LBS	\$445.50
TOTAL			\$445.50

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
SEED (PEANUT)	\$1.10	100 LB	\$110.00		\$110.00
NITROGEN (N)	\$0.31	70 LB	\$21.70		\$21.70
PHOSPHATE (P205)	\$0.24	80 LB	\$19.20		\$19.20
POTASH (K2O)	\$0.14	30 LB	\$4.05		\$4.05
TRACE ELEMENTS & MANURE	\$11.14	1 X/ACRE	\$41.14		\$41.14
HERBICIDE	\$21.18	1 X/ACRE	\$21.18		\$21.18
INSECTICIDE (CUSTOM)	\$16.96	1 X/ACRE	\$16.96		\$16.96
FUNGICIDE	\$25.00	1 X/ACRE	\$25.00		\$25.00
PUMP WATER		28 AC. IN.			
SUBTOTAL			\$259.23		\$259.23

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC (2X)	185 HP	0.18 HR		\$1.54	\$5.03	\$2.36	\$2.75	\$11.68
PLOW	185 HP	0.29 HR		\$2.48	\$8.11	\$3.47	\$4.16	\$18.23
CHISEL (2X)	185 HP	0.20 HR		\$1.71	\$5.59	\$2.40	\$2.87	\$12.57
FERT SPREADER	140 HP	0.05 HR		\$0.43	\$1.05	\$0.22	\$0.53	\$2.23
SPRAY & DISC	185 HP	0.00 HR		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PRE-IRRIGATE		0.30 HR		\$2.25	\$44.39	\$7.03	\$2.47	\$56.13
LISTER	185 HP	0.27 HR		\$2.31	\$7.55	\$2.60	\$3.44	\$15.90
PLANTER	185 HP	0.12 HR		\$1.03	\$3.36	\$1.00	\$3.81	\$9.19
APPLY FUNGICIDE (CUSTOM)			\$27.00					\$27.00
CULTIVATOR (2X)	140 HP	0.20 HR		\$1.71	\$4.22	\$1.86	\$2.96	\$10.75
HAND HOE (CUSTOM)			\$10.00					\$10.00
IRRIGATE (7X)		0.70 HR		\$5.25	\$103.57	\$16.40	\$5.75	\$130.98
SUBTOTAL		2.31 HR	\$37.00	\$18.70	\$182.88	\$37.33	\$28.73	\$304.64

HARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DIG AND INVERT	185 HP	0.24 HR		\$2.05	\$6.71	\$13.69	\$2.79	\$25.25
COMBINE PEANUTS	185 HP	0.80 HR		\$6.84	\$22.37	\$5.45	\$23.30	\$57.97
HAUL	140 HP	0.37 HR		\$3.16	\$7.81	\$1.66	\$5.86	\$18.49
SUBTOTAL		1.41 HR	\$0.00	\$12.06	\$36.89	\$20.81	\$31.95	\$101.71

OVERHEAD EXPENSES	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DOWNTIME	0.68 HR		\$5.81				\$5.81
EMPLOYEE BENEFITS			\$5.54				\$5.54
INSURANCE		\$0.62					\$0.62
LAND TAXES						\$0.68	\$0.68
SUPERVISION AND MANAGEMENT			\$33.55				\$33.55
OTHER EXPENSES		\$56.90					\$56.90
SUBTOTAL	0.68 HR	\$57.51	\$44.90			\$0.68	\$103.09

TOTAL OPERATING EXPENSES 4.40 HR \$353.74 \$75.65 \$219.78 \$58.14 \$61.37 \$768.68

NET OPERATING PROFIT (\$323.18)

INTEREST ON OPERATING CAPITAL (\$189.48 @ 5.50%) \$10.42
 INTEREST ON EQUIPMENT INVESTMENT \$23.13

RETURN TO LAND AND RISK (\$356.73)

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

BUDGET SUMMARY

GROSS RETURN		\$445.50	
VARIABLE OPERATING EXPENSES	\$631.65		
RETURN OVER VARIABLE EXPENSES		(\$186.15)	(GROSS MARGIN)
FIXED EXPENSES	\$61.37		
NET FARM INCOME		(\$247.53)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$75.65		
NET OPERATING PROFIT		(\$323.18)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$33.55		
RETURN TO LAND AND RISK		(\$356.73)	

TABLE 11. Summary of per acre costs and returns for a 960 acre farm with above average management, Blackwater Draw area, Roosevelt County, Projected 2018

	ALFALFA ESTABLISHMENT	ALFALFA HAY	WHEAT	CORN	PEANUTS
		TONS	BU	CWT	LBS
PRIMARY YIELD		5.20	60.00	100.00	2,700.00
PRIMARY PRICE		\$185.00	\$4.40	\$6.61	\$0.17
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME		\$50.00	\$0.00	\$15.00	\$0.00
GROSS RETURN		\$1,012.00	\$264.00	\$675.71	\$445.50
CASH OPERATING EXPENSES					
SEED	\$80.00		\$52.80	\$72.00	\$110.00
FERTILIZER	\$26.80	\$36.00	\$46.80	\$117.06	\$44.95
CHEMICALS		\$36.97	\$20.01	\$45.89	\$63.14
CROP INSURANCE			\$0.24	\$0.31	
OTHER PURCHASED INPUTS					\$41.14
CANAL WATER					
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$20.32	\$53.75	\$0.00	\$43.49	\$71.82
FUEL-IRRIGATION	\$47.56	\$158.53	\$95.12	\$158.53	\$147.96
REPAIRS	\$17.07	\$46.73	\$19.17	\$49.15	\$58.14
CUSTOM CHARGES			\$19.57	\$53.00	\$37.00
LAND TAXES	\$0.00	\$0.68	\$0.68	\$0.68	\$0.68
OTHER EXPENSES	\$0.18	\$57.06	\$57.03	\$57.41	\$57.51
TOTAL CASH EXPENSES	\$191.93	\$389.71	\$311.41	\$597.53	\$632.34
RETURN OVER CASH EXPENSES	(\$191.93)	\$622.29	(\$47.41)	\$78.19	(\$186.84)
FIXED EXPENSES	\$19.25	\$152.53	\$6.73	\$37.40	\$60.69
TOTAL EXPENSES	\$211.18	\$542.25	\$318.13	\$634.93	\$693.03
NET FARM INCOME	(\$211.18)	\$469.75	(\$54.13)	\$40.79	(\$247.53)
LABOR AND MANAGEMENT COSTS	\$20.63	\$116.85	\$26.85	\$83.48	\$75.65
NET OPERATING PROFIT	(\$231.81)	\$352.90	(\$80.99)	(\$42.69)	(\$323.18)
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL	\$0.00	\$5.07	\$4.94	\$10.17	\$10.42
INTEREST ON EQUIPMENT INVESTMENT	\$0.00	\$39.02	\$2.86	\$12.33	\$23.13
TOTAL CAPITAL COSTS	\$0.00	\$44.08	\$7.79	\$22.50	\$33.55
RETURN TO RISK	(\$231.81)	\$308.82	(\$88.78)	(\$65.19)	(\$356.73)

Flex Computation

-79.20

-15.45

TABLE 12. Whole farm summary, Blackwater Draw area, Roosevelt County,
Projected 2018

GROSS RETURNS		
ALFALFA HAY	125.00 ACRES	
CROP		\$120,250
GRAZING		\$6,250
WHEAT	212.50 ACRES	
CROP		\$56,100
GRAZING		\$0
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
CORN FOR GRAIN	162.50 ACRES	
CROP		\$107,366
GRAZING		\$2,438
DIRECT PAYMENT		\$0
COUNTER CYCLICAL PAYMENT		\$0
PEANUTS	250.00 ACRES	
CROP		\$111,375
GROSS RETURN		<u>\$403,779</u>
CASH OPERATING EXPENSES		
SEED		\$52,420
FERTILIZER		\$45,375
CHEMICALS		\$32,115
CROP INSURANCE		\$100
OTHER PURCHASED INPUTS		\$10,284
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$32,247
FUEL-IRRIGATION		\$103,968
REPAIRS		\$32,863
CUSTOM CHARGES		\$22,021
LAND TAXES		\$514
OTHER EXPENSES		\$42,963
TOTAL CASH EXPENSES		<u>\$374,869</u>
RETURN OVER CASH EXPENSES		\$28,909
FIXED EXPENSES		\$36,431
TOTAL EXPENSES		\$411,300
NET FARM INCOME		(\$7,522)
LABOR AND MANAGEMENT COSTS		\$53,306
NET OPERATING PROFIT		(\$60,828)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$5,940
INTEREST ON EQUIPMENT INVESTMENT		\$13,271
TOTAL CAPITAL COSTS		<u>\$19,211</u>
RETURN TO RISK		<u>(\$80,039)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$500 /ACRE	(\$94,439)	-8.29%
\$750 /ACRE	(\$101,639)	-6.24%
\$1,000 /ACRE	(\$108,839)	-5.01%
\$1,250 /ACRE	(\$116,039)	-4.18%
\$1,500 /ACRE	(\$123,239)	-3.59%
\$1,750 /ACRE	(\$130,439)	-3.14%
\$2,000 /ACRE	(\$137,639)	-2.80%

* 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)