

TABLE 1. Acreage Summary, De Baca County,  
Projected 2012.

BUDGET AREA..... DE BACA COUNTY	
FARM SIZE..... 100 ACRES	
IRRIGATION TYPE..... FLOOD	
NUMBER OF CROPS... 4	
	WATER USE
ACREAGE SUMMARY:	LAND USE (ACRES)
	AC. IN. PER ACRE
	TOTAL AC. IN.
ALFALFA ESTABLISHMENT *	13.00
ALFALFA	65.00
WHEAT	17.00
APR	0.00
FLEX IN HYGEAR	3.00
OAT HAY	10.00
HYGEAR *	14.00
ROADS, HOMESTEAD	5.00
TOTAL	100.00
	3,240
	2.70

\* DOUBLE-CROPPED

TABLE 2. Basic cost information for De Baca County,  
Projected 2012.

Item		
<b>Labor Wage Rate:</b>		
Equipment operators	\$/hour	\$7.80
General & Irrigators	\$/hour	\$7.50
<b>Purchased Inputs:</b>		
<b>Fertilizer:</b>		
Nitrogen (N)	\$/pound	\$0.89
Phosphate (P205)	\$/pound	\$0.75
<b>Seed:</b>		
Alfalfa	\$/pound	\$6.50
Wheat	\$/pound	\$0.50
Oat Hay	\$/pound	\$0.46
Hygear	\$/pound	\$85.00
Baling wire	\$/pound	\$0.84
Canal water	\$/acre	\$56.00
<b>Energy:</b>		
Natural gas	\$/MCF	\$4.00
Diesel fuel	\$/gallon	\$3.00
Gasoline	\$/gallon	\$3.80
Electricity (Farmers Elec Coop)	cents/KwHr	9.89
Employee Liability Insurance	\$/ \$1,000 wages	\$20.00
Employee Benefits	percent/wages	18.00%
Labor Downtime	percent	25.00%
<b>Financial Rates:</b>		
Operating Capital Interest Rate	percent	7.00%
Land Interest Rate	percent	6.00%
Equipment Interest Rate	percent	7.00%
Real Interest Rate	percent	3.00%
Land Taxes	\$75.00 /acre (full value)	
Personal Property Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value)
		\$26.14 \$26.42
<b>Supervision Factors</b>		
Field Crop-Irrigation	\$/labor hour	\$1.00
Field Crop-Equipment & General	\$/labor hour	\$0.50
<b>Management Rate</b>	percent	7.00%

TABLE 3. Overhead cost information for De Baca County,  
Projected 2012.

Item		
Electricity (Domestic & Shop)		\$60.50 per month
Telephone		\$48.40 per month
Accounting & Legal		\$187
Misc. Supplies & Hand Tools		\$436
Pickup and Auto		
miles	7,260 @	\$0.500 per mile
Insurance		\$3,630
- general liability (non-employee)		\$187
- fire/theft		\$157
Property Taxes		
- non-planted land		\$0
- other than land & machinery		\$0
Building repairs and maintenance		\$233
Dues, fees, publications		\$114
Farmstead Equipment		\$200
Total		\$6,451
Total Per Planted Acre		\$67.90



TABLE 5. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, De Baca County, Projected 2012.  
Planting Dates: August 25 - September 30

ITEM	PRICE	QUANTITY	PURCHASED INPUTS				TOTAL	
<b>PURCHASED INPUTS</b>								
SEED	\$6.50	25 LBS					\$162.50	
CANAL WATER		12 AC. IN.						
SUBTOTAL						\$162.50	\$162.50	
<b>PREHARVEST OPERATIONS</b>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	65 HP	0.17 HR		\$1.33	\$3.14	\$0.69	\$3.60	\$8.76
FLOW	65 HP	1.05 HR		\$8.19	\$19.40	\$1.68	\$3.09	\$32.37
DISC	65 HP	0.17 HR		\$1.33	\$3.14	\$0.69	\$3.60	\$8.76
LAND PLANE (4X)	65 HP	0.96 HR		\$7.49	\$17.74	\$1.34	\$17.06	\$43.62
DISC	65 HP	0.17 HR		\$1.33	\$3.14	\$0.69	\$3.60	\$8.76
BORDER DISC	65 HP	0.05 HR		\$0.39	\$0.92	\$0.11	\$2.78	\$4.21
FLOAT	65 HP	0.24 HR		\$1.87	\$4.43	\$0.31	\$4.39	\$11.01
DRILL	65 HP	0.25 HR		\$1.95	\$4.62	\$0.54	\$7.18	\$14.29
IRRIGATE (4X)		2.00 HR		\$15.00				\$15.00
SUBTOTAL		5.06 HR		\$38.87	\$56.54	\$6.07	\$45.29	\$146.76
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.77 HR		\$5.97				\$5.97
EMPLOYEE BENEFITS				\$7.00				\$7.00
INSURANCE			\$0.78					\$0.78
SUPERVISION AND MANAGEMENT				\$25.18				\$25.18
SUBTOTAL		0.77 HR	\$0.78	\$38.14				\$38.92
<b>TOTAL OPERATING EXPENSES</b>		<b>5.83 HR</b>	<b>\$163.28</b>	<b>\$77.01</b>	<b>\$56.54</b>	<b>\$6.07</b>	<b>\$45.29</b>	<b>\$348.18</b>

TABLE 6. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, De Baca County, Projected 2012.  
Harvesting Dates: May 20 - October 30

ITEM	PRICE	YIELD						TOTAL
<b>GROSS RETURNS</b>								
HAY	\$265.00	5.00 TONS (STACKED)						\$1,325.00
GRAZING	\$12.50	1.00 ACRE						\$12.50
<b>TOTAL</b>							<b>\$1,337.50</b>	
<b>PURCHASED INPUTS</b>								
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
PHOSPHATE (P205)	\$0.75	130 LBS	\$97.50					\$97.50
WIRE	\$0.84	43 LBS	\$36.12					\$36.12
ESTABLISHMENT: Principal		5 YEARS					\$69.64	\$69.64
: Interest							\$13.29	\$13.29
INSECTICIDE (CUSTOM)	\$16.09	2 X/ACRE	\$32.18					\$32.18
CANAL WATER		36 AC. IN.	\$56.00					\$56.00
<b>SUBTOTAL</b>			<b>\$221.80</b>				<b>\$82.93</b>	<b>\$304.73</b>
<b>PREHARVEST OPERATIONS</b>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
FERT SPREADER	65 HP	0.05 HR		\$0.39	\$0.92	\$0.11	\$3.11	\$4.54
IRRIGATE (8X)		4.00 HR		\$30.00				\$30.00
<b>SUBTOTAL</b>				<b>\$30.39</b>	<b>\$0.92</b>	<b>\$0.11</b>	<b>\$3.11</b>	<b>\$34.54</b>
<b>HARVEST OPERATIONS</b>								
SWATHER (5X)	14 FT	0.80 HR		\$6.24	\$0.00	\$0.22	\$10.81	\$17.27
BALER (5X)	65 HP	1.05 HR		\$8.19	\$19.40	\$1.59	\$10.96	\$40.14
BALEWAGON PTO (5X)	65 HP	1.00 HR		\$7.80	\$18.48	\$2.57	\$14.71	\$43.56
<b>SUBTOTAL</b>				<b>\$22.23</b>	<b>\$37.87</b>	<b>\$4.39</b>	<b>\$36.48</b>	<b>\$100.97</b>
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.73 HR		\$5.66				\$5.66
EMPLOYEE BENEFITS				\$9.47				\$9.47
INSURANCE			\$1.05					\$1.05
LAND TAXES						\$0.00		\$0.00
SUPERVISION AND MANAGEMENT				\$99.08				\$99.08
OTHER EXPENSES			\$67.90					\$67.90
<b>SUBTOTAL</b>			<b>0.73 HR</b>	<b>\$68.95</b>	<b>\$114.20</b>		<b>\$0.00</b>	<b>\$183.16</b>
<b>TOTAL OPERATING EXPENSES</b>		<b>7.63 HR</b>	<b>\$290.75</b>	<b>\$166.82</b>	<b>\$38.80</b>	<b>\$4.50</b>	<b>\$122.53</b>	<b>\$623.40</b>
<b>NET OPERATING PROFIT</b>								
INTEREST ON OPERATING CAPITAL		( \$114.68 @	7.00%	)				\$8.03
INTEREST ON EQUIPMENT INVESTMENT								\$27.75
<b>RETURN TO LAND AND RISK</b>							<b>\$678.32</b>	

<b>BUDGET SUMMARY</b>			
GROSS RETURN		\$1,337.50	
VARIABLE OPERATING EXPENSES	\$334.05		
RETURN OVER VARIABLE EXPENSES	\$1,003.45		(GROSS MARGIN)
FIXED EXPENSES	\$122.53		
NET FARM INCOME		\$880.92	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$166.82		
NET OPERATING PROFIT		\$714.10	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$35.78		
RETURN TO LAND AND RISK		\$678.32	

TABLE 7. Wheat for grain, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, De Baca County, Projected 2012.  
Planting Dates: September 1 - October 15  
Harvesting Dates: June 20 - July 1

ITEM	PRICE	YIELD	BASE						TOTAL
<b>GROSS RETURNS</b>									
WHEAT FOR GRAIN	\$6.50	65.00	BUSHEL						\$422.50
ASCS DEFICIENCY	\$0.52	65.00	BUSHELE	0.85					\$28.73
COUNTER CYCLICAL PAYMENT	\$0.00								\$0.00
GRAZING	\$25.00	1.00	ACRE						\$25.00
<b>TOTAL</b>									<b>\$476.23</b>
<b>PURCHASED INPUTS</b>									
	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
SEED	\$0.50	80	LBS	\$40.00					\$40.00
NITROGEN (N)	\$0.89	60	LBS	\$53.40					\$53.40
CANAL WATER		20	AC. IN.	\$56.00					\$56.00
CROP INSURANCE	\$2.94			\$2.94					\$2.94
<b>SUBTOTAL</b>				<b>\$152.34</b>					<b>\$152.34</b>
<b>PREHARVEST OPERATIONS</b>									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
FLOW	65 HP	1.05 HR		\$8.19	\$19.40	\$1.68	\$3.09	\$32.37	
DISC	65 HP	0.17 HR		\$1.33	\$3.14	\$0.69	\$3.60	\$8.76	
FERT SPREADER	65 HP	0.05 HR		\$0.39	\$0.92	\$0.11	\$3.11	\$4.54	
LAND PLANE	65 HP	0.24 HR		\$1.87	\$4.43	\$0.33	\$4.26	\$10.90	
BORDER DISC	65 HP	0.05 HR		\$0.39	\$0.92	\$0.11	\$2.78	\$4.21	
DRILL	65 HP	0.25 HR		\$1.95	\$4.62	\$0.54	\$7.18	\$14.29	
IRRIGATE (5X)		2.50 HR		\$18.75				\$18.75	
<b>SUBTOTAL</b>		<b>4.31 HR</b>	<b>\$0.00</b>	<b>\$32.87</b>	<b>\$33.44</b>	<b>\$3.47</b>	<b>\$24.03</b>	<b>\$93.81</b>	
<b>HARVEST OPERATIONS</b>									
COMBINE (CUSTOM)				\$19.45				\$19.45	
HAUL (CUSTOM)				\$11.05				\$11.05	
<b>SUBTOTAL</b>				<b>\$30.50</b>				<b>\$30.50</b>	
<b>OVERHEAD EXPENSES</b>									
DOWNTIME		0.45 HR		\$3.53				\$3.53	
EMPLOYEE BENEFITS				\$5.92				\$5.92	
INSURANCE				\$0.66				\$0.66	
LAND TAXES							\$0.00	\$0.00	
SUPERVISION AND MANAGEMENT				\$36.74				\$36.74	
OTHER EXPENSES				\$67.90				\$67.90	
<b>SUBTOTAL</b>		<b>0.45 HR</b>	<b>\$68.56</b>	<b>\$46.19</b>			<b>\$0.00</b>	<b>\$114.75</b>	
<b>TOTAL OPERATING EXPENSES</b>		<b>4.76 HR</b>	<b>\$251.40</b>	<b>\$79.05</b>	<b>\$33.44</b>	<b>\$3.47</b>	<b>\$24.03</b>	<b>\$391.40</b>	
<b>NET OPERATING PROFIT</b>								<b>\$84.83</b>	
INTEREST ON OPERATING CAPITAL		( \$87.94 @	7.00%	)				\$6.16	
INTEREST ON EQUIPMENT INVESTMENT								\$13.78	
<b>RETURN TO LAND AND RISK</b>								<b>\$64.89</b>	

BUDGET SUMMARY		
GROSS RETURN		\$476.23
VARIABLE OPERATING EXPENSES	\$288.32	
RETURN OVER VARIABLE EXPENSES	\$187.91	(GROSS MARGIN)
FIXED EXPENSES	\$24.03	
NET FARM INCOME	\$163.89	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$79.05	
NET OPERATING PROFIT	\$84.83	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$19.94	
<b>RETURN TO LAND AND RISK</b>		<b>\$64.89</b>



TABLE 9. Hygear, flood-irrigated, budgeted per acre costs and returns for a 100 acre farm with above average management, De Baca County, Projected 2012.  
 Planting Dates: July 5 - July 20  
 Harvesting Dates: September 15 - October 15

ITEM	PRICE	YIELD							TOTAL
GROSS RETURNS									
HYGEAR	\$236.00	4.50 TONS (STACKED)							\$1,062.00
TOTAL									\$1,062.00
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL	
SEED	\$85.00	70 LBS	\$5,950.00					\$5,950.00	
NITROGEN (N)	\$0.89	40 LBS	\$35.60					\$35.60	
CANAL WATER		12 AC. IN.	\$28.00					\$28.00	
SUBTOTAL			\$6,013.60					\$6,013.60	
PREHARVEST OPERATIONS									
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
PLOW	65 HP	1.05 HR		\$8.19	\$19.40	\$1.68	\$3.09	\$32.37	
DISC (2X)	65 HP	0.34 HR		\$2.65	\$6.28	\$1.39	\$7.19	\$17.51	
FERT SPREADER	65 HP	0.05 HR		\$0.39	\$0.92	\$0.11	\$3.11	\$4.54	
LAND PLANE	65 HP	0.24 HR		\$1.80	\$4.43	\$0.33	\$4.26	\$10.83	
DRILL	65 HP	0.25 HR		\$1.95	\$4.62	\$0.54	\$7.18	\$14.29	
IRRIGATE (4X)		2.00 HR		\$15.00				\$15.00	
SUBTOTAL		3.93 HR		\$29.98	\$35.66	\$4.06	\$24.84	\$94.54	
HARVEST OPERATIONS									
SWATHER	14 FT	0.16 HR		\$1.20	\$0.00	\$0.04	\$2.16	\$3.41	
BALER	65 HP	0.21 HR		\$1.58	\$3.88	\$0.32	\$2.19	\$7.97	
BALE WAGON	65 HP	0.20 HR		\$1.50	\$3.70	\$0.51	\$2.94	\$8.65	
SUBTOTAL		0.57 HR	\$0.00	\$4.28	\$7.57	\$0.88	\$7.30	\$20.02	
OVERHEAD EXPENSES									
DOWNTIME		1.05 HR		\$8.21				\$8.21	
EMPLOYEE BENEFITS				\$6.17				\$6.17	
INSURANCE			\$0.69					\$0.69	
LAND TAXES							\$0.00	\$0.00	
SUPERVISION AND MANAGEMENT				\$77.59				\$77.59	
OTHER EXPENSES			\$33.95					\$33.95	
SUBTOTAL		1.05 HR	\$34.64	\$91.97			\$0.00	\$126.60	
TOTAL OPERATING EXPENSES		5.55 HR	\$6,048.24	\$126.22	\$43.23	\$4.93	\$32.14	\$6,254.77	
NET OPERATING PROFIT								(\$5,192.77)	
INTEREST ON OPERATING CAPITAL		( \$3,017.43 @	7.00%	)				\$211.22	
INTEREST ON EQUIPMENT INVESTMENT								\$19.61	
RETURN TO LAND AND RISK								(\$5,423.60)	
BUDGET SUMMARY									
GROSS RETURN		\$1,062.00							
VARIABLE OPERATING EXPENSES	\$6,096.40								
RETURN OVER VARIABLE EXPENSES		(\$5,034.40)	(GROSS MARGIN)						
FIXED EXPENSES	\$32.14								
NET FARM INCOME		(\$5,066.54)	(RETURN TO CAPITAL, LABOR, LAND & RISK)						
LABOR AND MANAGEMENT COST	\$126.22								
NET OPERATING PROFIT		(\$5,192.77)	(RETURN TO CAPITAL, LAND & RISK)						
CAPITAL COSTS	\$230.83								
RETURN TO LAND AND RISK		(\$5,423.60)							

TABLE 10. Summary of per acre costs and returns for a 100 acre farm with above average management, De Baca County, Projected 2012.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	WHEAT FOR GRAIN	OAT HAY	HYGEAR
		TONS	BU	TONS	TONS
PRIMARY YIELD		5.00	65.00	2.50	4.50
PRIMARY PRICE		\$265.00	\$6.50	\$225.00	\$236.00
GOVERNMENT PAYMENTS		\$0.00	\$28.73	\$0.00	\$0.00
SECOND INCOME		\$12.50	\$25.00	\$0.00	\$0.00
GROSS RETURN		\$1,337.50	\$476.23	\$562.50	\$1,062.00
CASH OPERATING EXPENSES					
SEED	\$162.50		\$40.00	\$46.00	\$5,950.00
FERTILIZER		\$97.50	\$53.40	\$35.60	\$35.60
CHEMICALS		\$32.18			
CROP INSURANCE			\$2.94		
OTHER PURCHASED INPUTS		\$36.12		\$18.00	
CANAL WATER		\$56.00	\$56.00	\$56.00	\$28.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$56.54	\$38.80	\$33.44	\$41.02	\$43.23
FUEL-IRRIGATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
REPAIRS	\$6.07	\$4.50	\$3.47	\$4.35	\$4.93
CUSTOM CHARGES			\$30.50		
LAND TAXES		\$0.00	\$0.00	\$0.00	\$0.00
OTHER EXPENSES	\$0.78	\$68.95	\$68.56	\$34.70	\$34.64
TOTAL CASH EXPENSES	\$225.88	\$334.05	\$288.32	\$235.66	\$6,096.40
RETURN OVER CASH EXPENSES	(\$225.88)	\$1,003.45	\$187.91	\$326.84	(\$5,034.40)
FIXED EXPENSES	\$45.29	\$122.53	\$24.03	\$31.33	\$32.14
TOTAL EXPENSES	\$271.17	\$456.58	\$312.34	\$266.99	\$6,128.54
NET FARM INCOME	(\$271.17)	\$880.92	\$163.89	\$295.51	(\$5,066.54)
LABOR AND MANAGEMENT COSTS	\$77.01	\$166.82	\$79.05	\$92.02	\$126.22
NET OPERATING PROFIT	(\$348.18)	\$714.10	\$84.83	\$203.49	(\$5,192.77)
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL		\$8.03	\$6.16	\$6.14	\$211.22
INTEREST ON EQUIPMENT INVESTMENT		\$27.75	\$13.78	\$19.01	\$19.61
TOTAL CAPITAL COSTS	\$0.00	\$35.78	\$19.94	\$25.15	\$230.83
RETURN TO LAND AND RISK	(\$348.18)	\$678.32	\$64.89	\$178.34	(\$5,423.60)



TABLE 11. Whole farm summary, De Baca County,  
Projected 2012.

GROSS RETURNS		
ALFALFA HAY	65 ACRES	
CROP		\$86,125
GRAZING		\$813
WHEAT FOR GRAIN	17 ACRES	
CROP		\$7,183
GRAZING		\$425
ASCS DEFICIENCY		\$488
COUNTER CYCLICAL PAYMENT		\$0
OAT HAY	10 ACRES	
CROP		\$5,625
HYGEAR	17 ACRES	
CROP		\$18,054
GROSS RETURN		<u>\$118,712</u>
CASH OPERATING EXPENSES		
SEED		\$104,403
FERTILIZER		\$8,207
CHEMICALS		\$2,092
CROP INSURANCE		\$50
OTHER PURCHASED INPUTS		\$2,528
CANAL WATER		\$5,628
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$4,970
FUEL-IRRIGATION		\$0
REPAIRS		\$558
CUSTOM CHARGES		\$519
LAND TAXES		\$0
OTHER EXPENSES		\$6,593
TOTAL CASH EXPENSES		<u>\$135,547</u>
RETURN OVER CASH EXPENSES		(\$16,834)
FIXED EXPENSES		\$5,295
TOTAL EXPENSES		\$140,841
NET FARM INCOME		(\$22,129)
LABOR AND MANAGEMENT COSTS		\$16,254
NET OPERATING PROFIT		(\$38,383)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$4,279
INTEREST ON EQUIPMENT INVESTMENT		\$2,562
TOTAL CAPITAL COSTS		<u>\$6,840</u>
RETURN TO LAND AND RISK		<u>(\$45,224)</u>

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$1,000 /ACRE	(\$48,224)	-31.29%
\$2,000 /ACRE	(\$51,224)	-17.24%
\$3,000 /ACRE	(\$54,224)	-11.90%
\$4,000 /ACRE	(\$57,224)	-9.08%
\$5,000 /ACRE	(\$60,224)	-7.34%

\* 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)