

TABLE 1. Acreage Summary, Cibola County, Projected 2012.

BUDGET AREA.....	CIBOLA COUNTY		
FARM SIZE.....	10 ACRES		
IRRIGATION TYPE.....	FLOOD		
NUMBER OF CROPS.....	3		
	WATER USE		
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT	0.5	18	9
ALFALFA	4.0	48	192
PASTURE ESTABLISHMENT	0.5	18	9
PASTURE	4.0	30	120
CORN	1.0	30	30
TOTAL	10.00		360
ACRE FEET PER ACRE OF WATER RIGHTS			3.00

TABLE 2. Basic cost information for Cibola County, Projected 2012.

Item		
Labor Wage Rate:	\$/hour	\$7.50
Purchased Inputs		
Seed:		
Alfalfa	\$/pound	\$6.50
Oats	\$/pound	\$0.46
Corn	\$/bag	\$237.50
Wheat	\$/pound	\$0.50
Pasture	\$/pound	\$2.98
Baling wire	\$/pound	\$0.84
Gopher control	\$/acre	\$1.00
Canal water	\$/acre	\$5.00
Energy:		
Diesel fuel	\$/gallon	\$3.05
Gasoline	\$/gallon	\$3.80
Electricity	cents/KwHr	12.65
Employee Liability Insurance	\$/ \$1,000 wages	\$12.00
Employee Benefits	percent/wages	12.00%
Labor Downtime	percent	25.00%
Financial Rates:		
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	\$36.00 /acre (full value)	\$0.30
Personal Property Tax Rate	- NR - R	\$/ \$1,000 (Assessed Value)
		\$25.13 \$27.02
Supervision Factors	\$/labor hour	\$0.50
Management Rate	percent	4.00%

TABLE 3. Overhead cost information for Cibola County, Projected 2012.

Item		
Electricity (Domestic & Shop)	\$0.00 per month	\$0
Telephone	\$0.00 per month	\$0
Accounting & Legal		\$145
Misc. Supplies & Hand Tools		\$284
Pickup and Auto		
miles	3,025 @	\$0.500 per mile
Insurance		\$1,513
- general liability (non-employee)		\$0
- fire/theft		\$0
Property Taxes		
- non-planted land		\$0
- other than land & machinery		\$0
Building repairs and maintenance		\$121
Dues, fees, publications		\$121
Farmstead Equipment		\$0
	Total	\$2,184
	Total Per Planted Acre	\$273.01

TABLE 4. Equipment summary for a 10 acre part-time farm, Citrus County, Projected 2017.

EQUIPMENT ITEM & SIZE	ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	VARIABLE COSTS			FIXED COSTS				
				FUEL, OIL, LUBRICANT	REPAIR PER HR	FUEL, OIL, LUBRICANT	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HR	
TRACTOR 40 HP	14	1	\$6,911	\$201.10	\$15.26	\$14.21	\$1.08	\$359.50	\$75.29	\$30.73	
BALER 2 WIRE	8	1	\$1,600	\$1.25	\$0.18	\$0.18	\$0.18	\$388.00	\$32.25	\$51.35	
DRAG 10 FT	1	1	\$200	\$0.01	\$0.01	\$0.01	\$0.01	\$33.33	\$2.00	\$45.71	
DISC 6 FT	2	1	\$600	\$1.86	\$0.74	\$0.74	\$0.74	\$80.00	\$5.00	\$40.11	
PLOW 2 BOTTON	3	1	\$250	\$2.81	\$0.31	\$0.31	\$0.31	\$33.33	\$2.00	\$13.92	
DRILL (BORROWE	10 FT	0	1	\$1,800	\$0.35	\$0.88	\$0.88		\$100.00	\$6.28	\$1,062.83
BORDER DISC 6 DISC	0	1	\$750	\$0.09	\$0.33	\$0.33					
			\$12,151	\$201.10	\$19.36			\$991.17	\$123.01		

EQUIPMENT LIST

ITEM	NEW VALUE	USED VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL UNIT/HR	LUBE CODE	ACCUH HOURS	INTEREST AGE	INTEREST EXPENSE
TRACTOR 40 HP	17,975	6,911	50	1	800	3.40	0.10	212.25	15	629.13
BALER 2 WIRE	7,700	1,600	20	2	500			148.25	18	289.50
DRAG 10 FT	900	250	15	4	300			13.40	16	17.50
DISC 6 FT	1,200	600	15	3	300			33.92	16	42.00
PLOW 2 BOTTON	300	250	15	3	300			41.92	16	17.50
DRILL (BORROWE	3,600	1,800	10	8	100			5.33	13	
BORDER DISC 6 DISC	1,500	750	15	3	300			1.60	16	52.50

USAGE LIST

ALFALFA EST.	ALFALFA HAY	ANNUAL PASTURE EST.	ANNUAL PASTURE	FIELD CORN	PER ACRE TOTALS
Hours per acre					
4.15	1.95	3.19	0.00	2.68	11.97
0.65	1.95	0.00	0.00	0.00	2.60
0.62	0.00	0.31	0.00	0.31	1.24
1.06	0.00	1.06	0.00	1.06	3.18
1.31	0.00	1.31	0.00	1.31	3.93
0.41	0.00	0.41	0.00	0.00	0.82
0.10	0.00	0.10	0.00	0.00	0.20

INTEREST PRORATION

ALFALFA EST.	ALFALFA HAY	ANNUAL PASTURE	FIELD CORN
-hours per acre-			
184.51	86.70	0.00	119.16
21.56	64.68	0.00	0.00
14.00	0.00	0.00	7.00
21.00	0.00	0.00	21.00
8.75	0.00	0.00	8.75
0.00	0.00	0.00	0.00
52.50	0.00	0.00	0.00
302.32	151.38	0.00	155.91

ALFALFA ESTABLISHMENT	ACRES:	0.5	PUMP WATER
ACCOMPLISHMENT			
MACHINE	POWER UNIT	TIMES OVER	RATE TOTAL CUSTOM
PLDW	40 HP	1.00	1.31 1.31
DISC (X)	40 HP	2.00	0.53 1.06
DRAG (X)	40 HP	2.00	0.31 0.62
DRILL	40 HP	1.00	0.41 0.41
BORDER DISC	40 HP	1.00	0.10 0.10
IRRIGATE (X)		3.00	0.75 2.25
SWATHER (CUSTOM) RATE PER ACRE			
BALER	40 HP	1.00	0.65 0.65 17.50

ALFALFA HAY	ACRES:	4	PUMP WATER
ACCOMPLISHMENT			
MACHINE	POWER UNIT	TIMES OVER	RATE TOTAL CUSTOM
IRRIGATE (X)		5.00	0.75 3.75
SWATHER (CUSTOM) RATE PER ACRE			
BALER (X)	40 HP	3.00	0.65 1.95 17.50

PERMANENT PASTURE EST.	ACRES:	0.5	PUMP WATER
ACCOMPLISHMENT			
MACHINE	POWER UNIT	TIMES OVER	RATE TOTAL CUSTOM
PLDW	40 HP	1.00	1.31 1.31
DISC (X)	40 HP	2.00	0.53 1.06
DRAG	40 HP	1.00	0.31 0.31
DRILL	40 HP	1.00	0.41 0.41
BORDER DISC	40 HP	1.00	0.10 0.10
IRRIGATE (X)		3.00	0.75 2.25

ANNUAL PERMANENT PASTURE	ACRES:	4	PUMP WATER
ACCOMPLISHMENT			
MACHINE	POWER UNIT	TIMES OVER	RATE TOTAL CUSTOM
IRRIGATE (X)		4.00	0.75 3.00

FIELD CORN	ACRES:	1	PUMP WATER
ACCOMPLISHMENT			
MACHINE	POWER UNIT	TIMES OVER	RATE TOTAL CUSTOM
PLDW	40 HP	1.00	1.31 1.31
DISC (X)	40 HP	2.00	0.53 1.06
DRAG	40 HP	1.00	0.31 0.31
HAND RIDGE		1.00	10.00 10.00
HAND PLANT		1.00	5.00 5.00
HAND HSE		1.00	5.00 5.00
IRRIGATE (X)		3.00	0.75 2.25

HAND PICK

ANNUAL REPAIR COSTS AS A PERCENT OF NEW VALUE

Hours of Use	1	2	3	4	5	6	7	8	9
0	0.000000	0.000020	0.000020	0.000020	0.000080	0.000140	0.000240	0.000340	0.000500
50	0.000050	0.000020	0.000020	0.000020	0.000080	0.000140	0.000240	0.000340	0.000500
100	0.000050	0.000020	0.000020	0.000020	0.000140	0.000220	0.000300	0.000400	0.000500
200	0.000030	0.000030	0.000030	0.000040	0.000180	0.000260	0.000310	0.000410	0.000510
300	0.000030	0.000050	0.000050	0.000060	0.000230	0.000310	0.000400	0.000500	0.000600
400	0.000030	0.000050	0.000070	0.000090	0.000260	0.000340	0.000440	0.000540	0.000640
500	0.000030	0.000070	0.000090	0.000100	0.000280	0.000370	0.000470	0.000570	0.000670
600	0.000030	0.000090	0.000140	0.00020	0.000270	0.000360	0.000460	0.000560	0.000660
700	0.000030	0.000100	0.000140	0.000200	0.000300	0.000400	0.000500	0.000600	0.000700
800	0.000030	0.000110	0.000200	0.000280	0.000390	0.000490	0.000590	0.000690	0.000790
900	0.000030	0.000120	0.000280	0.000380	0.000480	0.000580	0.000680	0.000780	0.000880
1000	0.000030	0.000130	0.000300	0.000400	0.000500	0.000600	0.000700	0.000800	0.000900
1200	0.000045	0.000145	0.000300	0.000400	0.000500	0.000600	0.000700	0.000800	0.000900
1400	0.000045	0.000170	0.000300	0.000400	0.000500	0.000600	0.000700	0.000800	0.000900
1500	0.000150	0.000170	0.000300	0.000400	0.000500	0.000600	0.000700	0.000800	0.000900
1600	0.000150	0.000190	0.000380	0.000480	0.000580	0.000680	0.000780	0.000880	0.000980
1800	0.000175	0.000170	0.000380	0.000480	0.000580	0.000680	0.000780	0.000880	0.000980
2000	0.000110	0.000285	0.000280	0.000305	0.000505	0.000565	0.000625	0.000685	0.000745
2500	0.000055								
3000	0.000070								
3500	0.000062								
4000	0.000096								
4500	0.000108								
5000	0.000122								
5500	0.000136								
6000	0.000148								
6500	0.000162								
7000	0.000176								
7500	0.000188								
8000	0.000204								

* Based on unpublished data of G. R. Hunt, Department of Agricultural Engineering, University of Illinois.

** Based on "Agricultural Machinery Data" in Agricultural Engineers Yearbook, 1983.

Codes

- 1 tractor
- 2 balers, combines, forage harvesters, windrowers, pickups
- 3 rotary tillage, disk, moldboard plows, chisels, field cultivators, row cultivators, laser plane
- 4 harrows, weathers, foals, roto buck, disc, roller, water furrow, bed shaper
- 5 balerwagons, cotton pickers, cotton strippers, corn pickers, corn heads, forage equipment, mow mowers, stack choppers, feed wagons, farm trucks
- 6 tractors, combine harvester
- 7 baler w/ engine, manure spreader
- 8 planters, disks, seeding equipment, mounted sprayers
- 9 fertilizer distributor equipment

TABLE 5. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2012.
 Planting Dates: May 15 - July 1
 Harvest Dates: August 20 - September 10

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS									
OAT HAY	\$245.00	2.00 TONS (IN FIELD)						\$490.00	
TOTAL								\$490.00	
PURCHASED INPUTS									
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					FIXED COST	TOTAL
ALFALFA SEED	\$6.50	20 LBS	\$130.00						\$130.00
OAT SEED	\$0.46	50 LBS	\$23.00						\$23.00
WIRE	\$0.84	17 LBS	\$14.40						\$14.40
CANAL WATER		18 AC. IN.	\$5.00						\$5.00
SUBTOTAL			\$172.40						\$172.40
PREHARVEST OPERATIONS									
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
PLOW	40 HP	1.31 HR		\$9.83	\$18.62	\$1.82	\$57.97	\$88.23	
DISC (2X)	40 HP	1.06 HR		\$7.95	\$15.06	\$1.93	\$75.08	\$100.03	
DRAG (2X)	40 HP	0.62 HR		\$4.65	\$8.81	\$0.67	\$47.39	\$61.53	
DRILL	40 HP	0.41 HR		\$3.08	\$5.83	\$0.80	\$12.60	\$22.30	
BORDER DISC	40 HP	0.10 HR		\$0.75	\$1.42	\$0.20	\$109.36	\$111.73	
IRRIGATE (3X)		2.25 HR		\$16.88				\$16.88	
SUBTOTAL		5.75 HR		\$43.13	\$49.74	\$5.42	\$302.40	\$400.69	
HARVEST OPERATIONS									
SWATHER (CUSTOM)			\$17.50					\$17.50	
BALER	40 HP	0.65 HR		\$4.88	\$9.24	\$0.80	\$53.35	\$68.27	
SUBTOTAL		0.65 HR	\$17.50	\$4.88	\$9.24	\$0.80	\$53.35	\$85.77	
OVERHEAD EXPENSES									
DOWNTIME		2.19 HR		\$16.41				\$16.41	
EMPLOYEE BENEFITS				\$5.76				\$5.76	
INSURANCE			\$0.58					\$0.58	
LAND TAXES							\$0.30	\$0.30	
SUPERVISION AND MANAGEMENT				\$26.12				\$26.12	
SUBTOTAL		2.19 HR	\$0.58	\$48.29			\$0.30	\$49.17	
TOTAL OPERATING EXPENSES		8.59 HR	\$190.47	\$96.29	\$58.98	\$6.22	\$356.05	\$708.02	
NET OPERATING PROFIT								(\$218.02)	
INTEREST ON OPERATING CAPITAL		(\$102.28 @	7.00%)				\$7.16	
INTEREST ON EQUIPMENT INVESTMENT								\$302.32	
RETURN TO LAND AND RISK								(\$527.50)	

TABLE 6. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2012.
Harvest Dates: June 15 - September 15

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
ALFALFA HAY	\$255.00	3.50 TONS (IN FIELD)						\$892.50
GRAZING	\$10.00	1.00 ACRE						\$10.00
TOTAL								\$902.50
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
WIRE ESTABLISHMENT: Principal	\$0.84	30 LBS	\$25.20					\$25.20
: Interest		10 YEARS					\$52.75	\$52.75
CANAL WATER		48 AC. IN.	\$5.00				\$37.44	\$37.44
SUBTOTAL								\$90.19
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (6X)		3.75 HR		\$28.13				\$28.13
SUBTOTAL								\$28.13
HARVEST OPERATIONS								
SWATHER (CUSTOM) (3X)			\$17.50					\$17.50
BALER (3X)	40 HP	1.95 HR		\$14.63	\$27.71	\$2.40	\$160.06	\$204.80
SUBTOTAL								\$222.30
OVERHEAD EXPENSES								
DOWNTIME		0.49 HR		\$3.66				\$3.66
EMPLOYEE BENEFITS				\$5.13				\$5.13
INSURANCE			\$0.51					\$0.51
LAND TAXES							\$0.30	\$0.30
SUPERVISION AND MANAGEMENT				\$38.95				\$38.95
OTHER EXPENSES			\$273.01					\$273.01
SUBTOTAL								\$321.56
TOTAL OPERATING EXPENSES		6.19 HR	\$321.22	\$90.49	\$27.71	\$2.40	\$250.55	\$692.37
NET OPERATING PROFIT								\$210.13
INTEREST ON OPERATING CAPITAL		(\$19.07	@	7.00%)		\$1.33
INTEREST ON EQUIPMENT INVESTMENT								\$151.38
RETURN TO LAND AND RISK								\$57.42
BUDGET SUMMARY								
GROSS RETURN		\$902.50						
VARIABLE OPERATING EXPENSES	\$351.33							
RETURN OVER VARIABLE EXPENSES	\$551.17	(GROSS MARGIN)						
FIXED EXPENSES	\$250.55							
NET FARM INCOME	\$300.62	(RETURN TO CAPITAL, LABOR, LAND & RISK)						
LABOR AND MANAGEMENT COST	\$90.49							
NET OPERATING PROFIT	\$210.13	(RETURN TO CAPITAL, LAND & RISK)						
CAPITAL COSTS	\$152.71							
RETURN TO LAND AND RISK	\$57.42							

TABLE 7. Permanent pasture establishment, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2012.
Planting Dates: May 15 - July 1

ITEM	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
PURCHASED INPUTS								
GRASS SEED	\$2.98	15 LBS		\$44.70				\$44.70
CANAL WATER		18 AC. IN.		\$5.00				\$5.00
SUBTOTAL				\$49.70				\$49.70
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
PLOW	40 HP	1.31 HR		\$9.83	\$18.62	\$1.82	\$57.97	\$88.23
DISC (2X)	40 HP	1.06 HR		\$7.95	\$15.06	\$1.93	\$75.08	\$100.03
DRAG	40 HP	0.31 HR		\$2.33	\$4.41	\$0.34	\$23.70	\$30.76
DRILL	40 HP	0.41 HR		\$3.08	\$5.83	\$0.80	\$12.60	\$22.30
BORDER DISC	40 HP	0.10 HR		\$0.75	\$1.42	\$0.20	\$109.36	\$111.73
IRRIGATE (3X)		2.25 HR		\$16.88				\$16.88
SUBTOTAL		5.44 HR		\$40.80	\$45.34	\$5.09	\$278.70	\$369.92
OVERHEAD EXPENSES								
DOWNTIME		0.80 HR		\$5.98				\$5.98
EMPLOYEE BENEFITS				\$4.90				\$4.90
INSURANCE			\$0.49					\$0.49
LAND TAXES						\$0.30		\$0.30
SUPERVISION AND MANAGEMENT				\$19.50				\$19.50
SUBTOTAL		0.80 HR	\$0.49	\$30.38		\$0.30		\$31.17
TOTAL OPERATING EXPENSES		6.24 HR	\$50.19	\$71.18	\$45.34	\$5.09	\$279.00	\$450.79

TABLE 8. Permanent pasture, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2012.
Harvest Dates: Year-round

ITEM	PRICE	YIELD	TOTAL
GROSS RETURNS PASTURE	\$12.00	5.00 AUMS	\$60.00
TOTAL			\$60.00

PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS	FIXED COST	TOTAL
ESTABLISHMENT: Principal : Interest		20 YEARS		\$22.54 \$7.63	\$22.54 \$7.63
CANAL WATER		30 AC. IN.	\$5.00		\$5.00
SUBTOTAL			\$5.00	\$30.17	\$35.17

PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
IRRIGATE (4X)		3.00 HR		\$22.50				\$22.50
SUBTOTAL		3.00 HR		\$22.50				\$22.50

OVERHEAD EXPENSES								
DOWNTIME		0.00 HR		\$0.00				\$0.00
EMPLOYEE BENEFITS				\$2.70				\$2.70
INSURANCE			\$0.27					\$0.27
LAND TAXES						\$0.30		\$0.30
SUPERVISION AND MANAGEMENT				\$3.90				\$3.90
OTHER EXPENSES			\$273.01					\$273.01
SUBTOTAL		0.00 HR	\$273.28	\$6.60			\$0.30	\$280.18

TOTAL OPERATING EXPENSES		3.00 HR	\$278.28	\$29.10	\$0.00	\$0.00	\$30.47	\$337.84
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NET OPERATING PROFIT								(\$277.84)
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INTEREST ON OPERATING CAPITAL	(\$2.50	@	7.00%)			\$0.18
INTEREST ON EQUIPMENT INVESTMENT								\$0.00

RETURN TO LAND AND RISK								(\$278.02)
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BUDGET SUMMARY

GROSS RETURN		\$60.00		
VARIABLE OPERATING EXPENSES	\$278.28			
RETURN OVER VARIABLE EXPENSES		(\$218.28)	(GROSS MARGIN)	
FIXED EXPENSES	\$30.47			
NET FARM INCOME		(\$248.74)	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	\$29.10			
NET OPERATING PROFIT		(\$277.84)	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	\$0.18			
RETURN TO LAND AND RISK		(\$278.02)		

TABLE 9. Field corn, flood-irrigated, budgeted per acre costs and returns for a 10 acre part-time farm, Cibola County, Projected 2012.
 Planting Dates: May 25 - June 25
 Harvest Dates: October 15 - November 20

ITEM	PRICE	YIELD						TOTAL	
GROSS RETURNS CORN	\$9.38	40.00 CWT						\$375.00	
TOTAL							\$375.00		
PURCHASED INPUTS		PRICE	QUANTITY	PURCHASED INPUTS				FIXED COST	TOTAL
CORN SEED		\$2.97	10 000	\$29.69					\$29.69
CANAL WATER			30 AC. IN.	\$5.00					\$5.00
SUBTOTAL				\$34.69					\$34.69
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL	
PLow	40 HP	1.31 HR		\$9.83	\$18.62	\$1.82	\$57.97	\$88.23	
DISC (2X)	40 HP	1.06 HR		\$7.95	\$15.06	\$1.93	\$75.08	\$100.03	
DRAG	40 HP	0.31 HR		\$2.33	\$4.41	\$0.34	\$23.70	\$30.76	
HAND RIDGE		10.00 HR		\$75.00				\$75.00	
HAND PLANT		5.00 HR		\$37.50				\$37.50	
HAND HOE		5.00 HR		\$37.50				\$37.50	
IRRIGATE (3X)		2.25 HR		\$16.88				\$16.88	
SUBTOTAL		24.93 HR		\$186.98	\$38.09	\$4.09	\$156.75	\$385.90	
HARVEST OPERATIONS									
HAND PICK		25.00 HR		\$187.50				\$187.50	
SUBTOTAL		25.00 HR		\$187.50	\$0.00	\$0.00	\$0.00	\$187.50	
OVERHEAD EXPENSES									
DOWNTIME		0.67 HR		\$5.03				\$5.03	
EMPLOYEE BENEFITS				\$44.94				\$44.94	
INSURANCE			\$4.49					\$4.49	
LAND TAXES							\$0.30	\$0.30	
SUPERVISION AND MANAGEMENT				\$26.94				\$26.94	
OTHER EXPENSES			\$273.01					\$273.01	
SUBTOTAL		0.67 HR	\$277.50	\$76.90			\$0.30	\$354.70	
TOTAL OPERATING EXPENSES		50.60 HR	\$312.19	\$451.37	\$38.09	\$4.09	\$157.05	\$962.78	
NET OPERATING PROFIT								(\$587.78)	
INTEREST ON OPERATING CAPITAL		(\$27.89 @ 7.00%)						\$1.95	
INTEREST ON EQUIPMENT INVESTMENT								\$155.91	
RETURN TO LAND AND RISK								(\$745.64)	

BUDGET SUMMARY			
GROSS RETURN		\$375.00	
VARIABLE OPERATING EXPENSES	\$354.36		
RETURN OVER VARIABLE EXPENSES		\$20.64	(GROSS MARGIN)
FIXED EXPENSES	\$157.05		
NET FARM INCOME		(\$136.41)	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$451.37		
NET OPERATING PROFIT		(\$587.78)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$157.86		
RETURN TO LAND AND RISK		(\$745.64)	

TABLE 10. Summary of per acre costs and returns, 10 acre part-time farm, Cibola County,
Projected 2012.

	ALFALFA ESTABLISHMENT	ALFALFA HAY	PERMANENT PASTURE ESTABLISHMENT	PERMANENT PASTURE	FIELD CORN
	TONS	TONS		AUMS	CWT
PRIMARY YIELD	2.00	3.50		5.00	40.00
PRIMARY PRICE	\$245.00	\$255.00		\$12.00	\$9.38
GOVERNMENT PAYMENTS	\$0.00	\$0.00		\$0.00	\$0.00
SECOND INCOME	\$0.00	\$10.00		\$0.00	\$0.00
GROSS RETURN	\$490.00	\$902.50		\$60.00	\$375.00
CASH OPERATING EXPENSES					
SEED	\$153.00		\$44.70		\$29.69
FERTILIZER					
CHEMICALS					
CROP INSURANCE					
OTHER PURCHASED INPUTS	\$14.40	\$25.20			
CANAL WATER	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$58.98	\$27.71	\$45.34	\$0.00	\$38.09
FUEL-IRRIGATION					
REPAIRS	\$6.22	\$2.40	\$5.09	\$0.00	\$4.09
CUSTOM CHARGES	\$17.50	\$17.50			
LAND TAXES	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30
OTHER EXPENSES	\$0.58	\$273.52	\$0.49	\$273.28	\$277.50
TOTAL CASH EXPENSES	\$255.98	\$351.63	\$100.91	\$278.58	\$354.67
RETURN OVER CASH EXPENSES	\$234.02	\$550.87	(\$100.91)	(\$218.58)	\$20.33
FIXED EXPENSES	\$355.75	\$250.25	\$278.70	\$30.17	\$156.75
TOTAL EXPENSES	\$611.73	\$601.88	\$379.61	\$308.74	\$511.41
NET FARM INCOME	(\$121.73)	\$300.62	(\$379.61)	(\$248.74)	(\$136.41)
LABOR AND MANAGEMENT COSTS	\$96.29	\$90.49	\$71.18	\$29.10	\$451.37
NET OPERATING PROFIT	(\$218.02)	\$210.13	(\$450.79)	(\$277.84)	(\$587.78)
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL	\$7.16	\$1.33		\$0.18	\$1.95
INTEREST ON EQUIPMENT INVESTMENT	\$302.32	\$151.38		\$0.00	\$155.91
TOTAL CAPITAL COSTS	\$309.48	\$152.71	\$0.00	\$0.18	\$157.86
RETURN TO LAND AND RISK	(\$527.50)	\$57.42	(\$450.79)	(\$278.02)	(\$745.64)

TABLE 11. Whole farm summary, Cibola County,
Projected 2012.

GROSS RETURNS		
ALFALFA HAY	4 ACRES	
CROP		\$3,570
GRAZING		\$40
PASTURE	4 ACRES	
CROP		\$240
FIELD CORN	1 ACRES	
CROP		\$375
GROSS RETURN		\$4,225
CASH OPERATING EXPENSES		
SEED		\$129
FERTILIZER		\$0
CHEMICALS		\$0
CROP INSURANCE		\$0
OTHER PURCHASED INPUTS		\$108
CANAL WATER		\$50
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$201
FUEL-IRRIGATION		\$0
REPAIRS		\$19
CUSTOM CHARGES		\$79
LAND TAXES		\$3
OTHER EXPENSES		\$2,465
TOTAL CASH EXPENSES		\$3,054
RETURN OVER CASH EXPENSES		\$1,171
FIXED EXPENSES		\$1,294
TOTAL EXPENSES		\$4,348
NET FARM INCOME		(\$123)
LABOR AND MANAGEMENT COSTS		\$1,013
NET OPERATING PROFIT		(\$1,137)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$12
INTEREST ON EQUIPMENT INVESTMENT		\$913
TOTAL CAPITAL COSTS		\$924
RETURN TO LAND AND RISK		(\$2,061)

LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
\$1,000 /ACRE	(\$2,361)	-5.13%
\$2,500 /ACRE	(\$2,811)	-3.06%
\$4,000 /ACRE	(\$3,261)	-2.18%
\$5,500 /ACRE	(\$3,711)	-1.69%
\$7,000 /ACRE	(\$4,161)	-1.38%
\$8,500 /ACRE	(\$4,611)	-1.17%

* 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)