

MENU	TO INPUT DATA	TO PRINT	
TABLES:			
GENERAL COST AND INPUT INFORMATION	[Alt] A	[Alt] Z	/riacresum~/RIA~/riover~{ESC}{GOTO}{HOME}~/RIB~{ESC}{GOTO}{HOME}~{CALC}/XQ
PUMP IRRIGATION COST INFORMATION	[Alt] B	FOR BOTH	/RIC~{ESC}{GOTO}{HOME}~{CALC}/XQ
GENERAL EQUIPMENT LISTING	[Alt] C		/RIGS~/RIUC~{ESC}{GOTO}{HOME}~{CALC}/XQ
ACCOMPLISHMENT RATES	[Alt] D		/RIGSO~/RIUCO~/RIGCHILE~/RIRCHILE~{ESC}
EQUIPMENT SUMMARY OF COSTS LISTING		[Alt] F	/PPOOFQCRRequip~GPQ~/XQ /PPA~oofqc
SUMMARY OF PER ACRE COSTS AND RETURNS		[Alt] G	/PPOOUQCRRwheat~GPQ~/XQ
WHOLE FARM SUMMARY		[Alt] H	/PPOOUQCRRcorn~GPQ~/XQ
			/PPOOUQCRRmilo~GPQ~/XQ
			/PPOOUQCRRcotton~GPQ~/XQ
			/PPOOUQCRRgchile~GPQ~/XQ
			/PPOOUQCRRrchile~GPQ~/XQ
			/PPOOFQCRRcropsum~GPQ~/XQ
			/PPOOFQCRRfarmsum~GPQ~/XQ
			{GOTO}N1~{CALC}/FS~R/WEY
			{CALC}{GOTO}Y1~/XLSTRIKE [ENTER] TO CO
			/XLSTRIKE [ENTER] TO VIEW MENU ~Y21~{H

\*\*\*PRESS [Alt] THEN LETTER TO EXECUTE COMMANDS\*\*\*

\*\*\*PRESS [Alt] THEN [Q] TO SAVE FILE AND QUIT\*\*\*

TABLE 3. Equipment summary for a  
Cotton City-Animas area

EQUIPMENT	
ITEM & SIZE	

TRACTOR 80 HP  
 TRACTOR 155 HP  
 PICKUP 1/2 TON  
 COTTON PICKER 2 ROW  
 SHREDDER 4 ROW  
 ROLLING CULT 4 ROW  
 CULTIVATOR 4 ROW  
 DISC 14 FT.  
 ROTO BUCK  
 RIPPER 4 ROW (7-SHANK)  
 LISTER 4 ROW  
 PLANTER 4 ROW  
 VEG PLANTER 4 ROW  
 SPRAYER 12 FT  
 DRAG 8-24 FT.  
 PLOW 4-14  
 COTTON TRAILER 8 BALE  
 FERT SPREADER DLR FURN  
 NATURAL GAS WELL

=====

EQUIPMENT LIST

ITEM	NEW VALUE	USED VALUE	YEARS LIFE	EQUIP CODE	MAX HOURS	FUEL UNIT/HR	LUBE COEF	ACCUM HOURS	INTEREST AGE	EXPENSE
TRACTOR 96 HP	57890	26855	30	1	500	4.896	0.1	14183.2	32	1447.25
TRACTOR 185 HP	89920	38035	15	1	800	9.435	0.1	1150.9	5	2248
PICKUP 1/2 TON	26000	13000	10	2	800	6	0.05	5328	16	650
COTTON PICKER 2 ROW	89400	9430	15	5	500	5.04	0.2	2845.8	15	2235
SHREDDER 4 ROW	5000	2500	15	5	300			937.08	18	125
ROLLING CULT 4 ROW	4000	2000	15	3	270			1186.02	18	100
CULTIVATOR 4 ROW	3000	1500	15	3	300			2652.84	18	75
DISC 14 FT.	6000	3000	15	3	200			1710.18	18	150
ROTO BUCK	2000	1000	15	4	350			614.79	18	50
RIPPER 4 ROW (7-SHANK)	2400	1200	15	3	100			765	18	60
LISTER 4 ROW	3200	1600	15	3	300			1026.36	18	80
PLANTER 4 ROW	6800	3400	10	8	150			1202.24	16	170
VEG PLANTER 4 ROW	3000	1500	10	8	100			108.8	16	75
SPRAYER 12 FT	2750	1375	15	8	100			827.1	18	68.75
DRAG 8-24 FT.	500	250	15	4	300			1112.4	18	12.5
PLOW 4-14	8000	4000	15	3	350			345.6	18	200
COTTON TRAILER 8 BALE	2400	1200	15	4	30			642.6	21	60
FERT SPREADER DLR FURN									18	
NATURAL GAS WELL	39500	19750	21	0.0905	2600		0.05	43534.431	18	987.5

=====















UPLAND COTTON                      ACRES:        153        PUMP WATER:        28

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT		CUSTOM
			RATE	TOTAL	
RIPPER	185 HP	1	0.1	0.1	
DISC	185 HP	1	0.14	0.14	
FERTILIZE	185 HP	1	0.05	0.05	
DRAG (2X)	96 HP	2	0.1	0.2	
DISC & SPRAY	185 HP	1	0.15	0.15	
LISTER	185 HP	1	0.18	0.18	
PRE-IRRIGATE		1	0.1293048	3.6205333	
ROLLING CULT.	96 HP	1	0.21	0.21	
PLANTER	96 HP	1	0.26	0.26	
CULTIVATOR (2X)	96 HP	2	0.21	0.42	
HAND HOE (CUSTOM)					15
ROTO BUCK (5X)	96 HP	5	0.015	0.075	
IRRIGATE (4X)		4	0.517219	14.482133	
COTTON PICKER (2X)	2 ROW	2	0.62	1.24	
COTTON TRAILER (2X)	HALF TON	2	0.5	1	
GIN COTTON (CUSTOM) PER LINT #					0.1092
SHREDDER	80 HP	1	0.14	0.14	



GREEN CHILE                      ACRES:              20              PUMP WATER:              54

MACHINE	POWER UNIT	TIMES OVER	ACCOMPLISHMENT		
			RATE	TOTAL	CUSTOM
DISC	185 HP	1	0.14	0.14	
PLOW	185 HP	1	0.48	0.48	
DISC	185 HP	1	0.14	0.14	
LASER (CUSTOM)					73.33
LISTER & SPRAY	185 HP	1	0.13	0.13	
FERTILIZE	185 HP	1	0.05	0.05	
PRE-IRRIGATE		1	0.071836	4.5256667	
ROLLING CULT	96 HP	1	0.13	0.13	
PLANTER	96 HP	1	0.17	0.17	
CULTIVATOR (5X)	96 HP	5	0.13	0.65	
THIN & HOE (CUSTOM)		0	0.2	0	90
ROTO BUCK (7X)	96 HP	7	0.03	0.21	
IRRIGATE (8X)		8	0.5746878	36.205333	

HARVEST (CUSTOM) PER LB (GREEN)                      0.045  
 HARVEST (CUSTOM) PER LB (RED)                      0.2

HAUL                      3/4 TON                      1                      6                      6  
 SHREDDER                      80 HP                      1                      0.29                      0.29

RED CHILE  
-----

ACRES:

20

PUMP WATER:

48

ACCOMPLISHMENT

MACHINE	POWER UNIT	TIMES OVER	----- RATE	TOTAL	CUSTOM
---------	---------------	---------------	---------------	-------	--------

DISC	185 HP	1	0.14	0.14	
PLOW	185 HP	1	0.48	0.48	
DISC	185 HP	1	0.14	0.14	
DRAG (2X)	96 HP	2	0.1	0.2	
LISTER	185 HP	1	0.12	0.12	
FERTILIZE	185 HP	1	0.05	0.05	
PRE-IRRIGATE		1	0.053877	3.0171111	
ROLLING CULT	96 HP	1	0.13	0.13	
PLANTER	96 HP	1	0.17	0.17	
CULTIVATOR (5X)	96 HP	5	0.13	0.65	
THIN & HOE (CUSTOM)		0	0.2	0	90
ROTO BUCK (7X)	96 HP	7	0.03	0.21	
IRRIGATE (11X)		11	0.5926468	33.188222	

HARVEST (CUSTOM) PER LBS					0.2
HAUL	3/4 TON	1	3	3	
SHREDDER	80 HP	1	0.29	0.29	



ANNUAL REPAIR COSTS AS A PERCENT OF NEW VALUE

Hours of Use	1	2	3	4	5	6	7	8	9
	*	*	*	*	**	**	**	**	**
0	0.00006	0.00002	0.00062	0.00002	0.00008	0.00014	0.00004	0.00024	0.0002
50	0.00006	0.00002	0.00062	0.00002	0.00008	0.00014	0.00004	0.00024	0.0002
100	0.00006	0.00002	0.0005	0.00002	0.00014	0.00022	0.0001	0.00038	0.0003
200	0.00003	0.00003	0.00043	0.00004	0.00018	0.00026	0.00011	0.00051	0.00026
300	0.00003	0.00005	0.00039	0.00006	0.00023	0.00031	0.00014	0.00063	0.0004
400	0.00003	0.00006	0.00037	0.00009	0.00026	0.00034	0.00015	0.00071	0.00045
500	0.00003	0.00007	0.00036	0.0001	0.00028	0.00037	0.00017	0.0008	0.00063
600	0.00003	0.00009	0.00034	0.00012	0.00031	0.00039	0.00019	0.00086	0.00053
700	0.00003	0.0001	0.00034	0.00013	0.00033	0.00041	0.0002	0.00091	0.00056
800	0.00003	0.00011	0.00032	0.00015	0.00035	0.00043	0.00021	0.00098	0.00059
900	0.00003	0.00012	0.00032	0.00016	0.00037	0.00045	0.00023	0.00102	0.0006
1000	0.00009	0.00013	0.00031	0.00018	0.00038	0.00046	0.00023	0.00107	0.00063
1200	0.000045	0.000145	0.000305	0.000205	0.000405	0.00048	0.000245	0.001135	0.00071
1400	0.000045	0.00017	0.0003	0.00023	0.000435	0.00051	0.00041	0.00126	0.000765
1500	0.00015	0.00017	0.0003	0.00023	0.000435	0.00051	0.00041	0.00126	0.000765
1600	0.00015	0.00019	0.000285	0.000255	0.000465	0.000525	0.000135	0.001235	0.000805
1800	0.000075	0.00017	0.000285	0.000285	0.000485	0.00055	0.000295		
2000	0.00011	0.000265	0.00028	0.000305	0.000505	0.000565	0.00031		
2500	0.000056								
3000	0.00007								
3500	0.000082								
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 D. R. Hunt, Department of Agricultural Engineering, University of Illinois.

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

Codes

- 1 tractors
- 2 balers, combines, forage harvesters, windrowers, pickups
- 3 rotary hoe, disks, moldboard plows, chisels, field cultivators  
row cultivators, laser plane
- 4 harrows, wagons, floats, roto buck, drag, roller, water furrow,  
bed shaper
- 5 balewagons, cotton pickers, cotton strippers, corn pickers  
corn heads, forage equipment, rotary mowers, stalk choppers,  
feed wagons, farm trucks
- 6 rakes, cutterbar mower
- 7 baler w/ engine, manure spreader
- 8 planters, drills, seeding equipment, mounted sprayers
- 9 fertilizer distributing equipment

-(CALC)/XQ

Q

){GOTO}{HOME}~(CALC)/XQ

rreqlist~gpa~crracresum~gpa~CRRR~GLLLLLLLL~crover~gpa~CRRB~(

NTINUE ~Y1~(PGDN}  
DME}

400 acre, flood/sprinkler-irrigated farm with above average management,  
Hidalgo County, 2004.

-----  
VARIABLE COSTS  
-----

ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL AND LUBRICANT	REPAIR	FUEL, OIL PER HR
---------------------------	--------	----------------	-----------------------	--------	---------------------

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0	0	#REF!	#REF!	#REF!	0
0	0	#REF!	#REF!	#REF!	0
#VALUE!	#VALUE!	#REF!	#REF!	834	#VALUE!
0	0	#REF!	#REF!	9653	0
#VALUE!	#VALUE!	#REF!		#REF!	
#VALUE!	#VALUE!	#REF!		#REF!	
#VALUE!	#VALUE!	#REF!		#REF!	
31808	#REF!	#REF!		#REF!	
49392	#REF!	#REF!		#REF!	
0	0	#REF!		#REF!	
#VALUE!	#VALUE!	#REF!		#REF!	
0	0	#REF!		#REF!	
33376	#REF!	#REF!		#REF!	
26880	#REF!	#REF!		#REF!	
0	0	#REF!		#REF!	
222.1	#REF!	#REF!		#REF!	
11200	5	#REF!		#REF!	
25312					
7616	3	#REF!	0	#REF!	0
		#REF!	#REF!	#REF!	

=====

USAGE LIST

WHEAT	GRAIN		COTTON	GREEN
	CORN	SORGHUM		CHILE
-----hours per acre-----				
0.63	0.56	1.335	1.305	1.45
0.15	0.35	0.72	0.62	0.94
0	0	0	1	6
0	0	0	1.24	0
0	0.14	0.14	0.14	0.29
0	0	0.21	0.21	0.13
0	0.42	0.42	0.42	0.65
0.14	0.15	0.29	0.29	0.28
0	0	0.105	0.075	0.21
0	0.2	0.2	0.1	0
0	0	0.18	0.18	0.13
0	0.26	0.26	0.26	0
0	0	0	0	0.17
0	0.15	0.15	0.15	0.13
0.2	0	0.2	0.2	0
0	0	0	0	0.48
0	0	0	1	0
0.05	0.05	0.05	0.05	0.05
15.516571	25.860952	19.395714	18.102667	56.205333

=====





























MICROCOMPUTER CROP COST AND RETURN GENERATOR

3PQ~/XQ

BUDGET AREA..... COTTON CITY-ANIMAS AREA, HIDALGO COUNTY, 2001.  
FARM SIZE ..... 400 ACRES  
IRRIGATION TYPE... FLOOD/SPRINKLER  
NUMBER OF CROPS 2

VERSION 1.0

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\* 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

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-----  
FIXED COSTS  
-----

REPAIR                    DEP-                    TOTAL  
PER HR                    CIATION                    TAXES PER HOUR  
-----

0	#REF!	#REF!	0
0	#REF!	#REF!	0
#VALUE!	#REF!	#REF!	#VALUE!
0	#REF!	#REF!	0
#VALUE!	#REF!	#REF!	#VALUE!
#VALUE!	#REF!	#REF!	#VALUE!
#VALUE!	#REF!	#REF!	#VALUE!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
0	#REF!	#REF!	0
#VALUE!	#REF!	#REF!	#VALUE!
0	#REF!	#REF!	0
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
0	#REF!	#REF!	0
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!
	<u>#REF!</u>	<u>#REF!</u>	

=====

RED CHILE	PER ACRE TOTALS
1.65	6.93
0.93	3.71
3	10
0	1.24
0.29	1
0.13	0.68
0.65	2.56
0.28	1.43
0.21	0.6
0	0.5
0.12	0.61
0	0.78
0.17	0.34
0	0.58
0.2	0.8
0.48	0.96
0	1
0.05	0.3
36.205333	171.28657

=====

































INTEREST |

WHEAT	CORN
-----	dollars p
2.0571211	1.8285521
1.4649405	3.4181945
0	0
0	0
0	0.3361506
0	0
0	0.2137332
0.2210294	0.2368172
0	0
0	0.2823529
0	0
0	0.5882353
0	0
0	0.2244287
0.0404531	0
0	0
0	0
2.1117925	3.5196542
-----	-----
5.8953365	10.648119

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PRORATION

GRAIN SORGHUM	COTTON	GREEN CHILE	RED CHILE
4.3591376	4.2611794	4.7346438	5.3876981
7.0317143	6.0550873	9.1802937	9.082631
0	1.951952	11.711712	5.8558559
0	14.607843	0	0
0.3361506	0.3361506	0.6963119	0.6963119
0.318713	0.318713	0.1972985	0.1972985
0.2137332	0.2137332	0.3307776	0.3307776
0.4578465	0.4578465	0.4420587	0.4420587
0.153711	0.1097936	0.307422	0.307422
0.2823529	0.1411765	0	0
0.252543	0.252543	0.1823921	0.168362
0.5882353	0.5882353	0	0
0	0	1.875	1.875
0.2244287	0.2244287	0.1945049	0
0.0404531	0.0404531	0	0.0404531
0	0	5	5
0	0.3921569	0	0
2.6397407	2.4637579	7.6494993	4.9275159
16.89876	32.41505	42.501914	34.311385

=====

































































\p

/rva~bn1~/rvover~bn60~/rvacresum~bv1~  
/ppouuqcrbn1..cc95~A~gpq/rebn1..cc95~  
/PPOOUQCRRreqlist~A~GPQ~  
/PPOOFQCRRb~A~GPQ~  
/PPOOUQCRRequip~A~GPQ~  
/PPOOUQCRRmilo~A~GPQ~  
/PPOOUQCRRcotton~A~GPQ~  
/PPOOUQCRRgchile~A~GPQ~  
/PPOOUQCRRrchile~A~GPQ~  
/PPOOFQCRRcropsum~A~GPQ~  
/PPOOFQCRRfarmsum~A~GPQ~/xq





































































































































TABLE 2. Pumping costs and data for irrigation wells, Cotton City-Animas

```

=====
INPUT DATA
-----

                                DEPTH CHARACTERIS
                                STATIC...
                                DRAW DOV
                                TOTAL HI
                                CASING...

GALLONS PER MINUTE (GPM)...      700
WORK HORSEPOWER ..... 35.353535

EFFICIENCY FACTOR:
ELECTRICITY...      0.54
NATURAL GAS....    0.154
LP GAS.....        0.154
DIESEL.....        0.16

FUEL COST PER UNIT:
ELECTRICITY....    6.9 CENTS/K wHr
NATURAL GAS....   3.47 $/MCF
LP GAS.....       0.84 $/GAL
DIESEL.....       1.05 $/GAL

FUEL PUMPING COSTS:
-----

ELECTRIC WELL:
COST PER HOUR.....$      3.4015239
COST PER ACRE INCH.....$  2.1991662

NATURAL GAS WELL:
COST PER HOUR.....$      2.2525377
COST PER ACRE INCH.....$  1.4563192

LP GAS WELL:
COST PER HOUR.....$      5.3721555
COST PER ACRE INCH.....$  3.4732265

DIESEL WELL:
COST PER HOUR.....$      4.1972663
COST PER ACRE INCH.....$  2.7136326
=====

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TABLE 3. Equipment summary for a 400 acre, flood/sprinkler-irrigated farm Cotton City-Animas area, Hidalgo County, 1999.

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-----
EQUIPMENT
-----
ITEM & SIZE                ANNUAL HOURS OF USE  NUMBER  TOTAL VALUE
-----
TRACTOR 80 HP              509.78              2       13120
TRACTOR 155 HP             261.8               1       60700
PICKUP 1/2 TON             384                 1       8000
COTTON PICKER 2 ROW        252.96              1       17950
SHREDDER 4 ROW            59.2                1       2500
ROLLING CULT 4 ROW         76.6                1       2000
CULTIVATOR 4 ROW          168.8               1       1500
DISC 14 FT.               109.8               1       3000
ROTO BUCK                  37.98               1       1000
RIPPER 4 ROW (7-SHANK)     47.6                1       1200
LISTER 4 ROW               66.2                1       1600
PLANTER 4 ROW              88.4                1       3400
VEG PLANTER 4 ROW         6.8                 1       1500
SPRAYER 12 FT             53.6                1       1375
DRAG 8-24 FT.             72                  1       250
PLOW 4-14                  19.2                1       4000
COTTON TRAILER 8 BALE     204                  5       6000
FERT SPREADER DLR FURN    19
NATURAL GAS WELL          8178.9745           3       59250

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area, Hidalgo County, 1999.

=====

TICS:  
 ..... 150  
 ..... 50  
 EAD..... 200  
 ..... 300

=====

m with above average management,

VARIABLE COSTS				FIXED COSTS		
FUEL AND LUBRICANT	REPAIR	FUEL,OIL PER HR	REPAIR PER HR	DEPRECIATION	TAXES	TOTAL PER HOUR
2745.4712	987.13799	5.3856	1.9364	686.66667	90.228	1.5239803
2852.9459	706.23168	10.897425	2.6976	5994.6667	393.8496	24.402278
2419.2	834	6.3	2.171875	1600	70.08	1.6972358
1606.3972	9653	6.3504	38.160183	5960	391.572	25.108997
	109.52		1.85	333.33333	21.9	6.0005631
	93.452		1.22	266.66667	17.52	3.7100087
	0		0	200	13.14	1.2626777
	187.758		1.71	400	26.28	3.8823315
	9.1152		0.24	133.33333	8.76	3.7412673
	38.8416		0.816	160	10.512	3.5821849
	65.6704		0.992	213.33333	14.016	3.43428
	682.2712		7.718	680	29.784	8.0292308
	4.896		0.72	300	13.14	46.05
	144.452		2.695	183.33333	12.045	3.6451182
	6.48		0.09	33.333333	2.19	0.4933796
	59.904		3.12	533.33333	35.04	29.602778
	63.648		0.312	800	52.56	4.1792157
18423.448	740.19719	2.2525377	0.0905	5642.8571	519.03	0.7973967
28047.462	14386.575			24120.857	1721.6466	







TABLE 2. Pumping costs and data for irrigation wells, Cotton City-Animas area, Hidalgo County

```

=====
INPUT DATA
-----
DEPTH CHARACTERISTICS:
  STATIC... 150
  DRAW DOWN 50
  TOTAL HEAD..... 200
  CASING... 300

GALLONS PER MINUTE 700
WORK HORSEPOWER..... 35.354

EFFICIENCY FACTOR:
  ELECTRICITY..... 0.54
  NATURAL GAS..... 0.154
  LP GAS..... 0.154
  DIESEL..... 0.16

FUEL COST PER UNIT:
  ELECTRICITY..... 9.27 CENT/wHr
  NATURAL GAS..... 3.98 $/MCF
  LP GAS..... 2.75 $/GAL
  DIESEL..... 3.05 $/GAL

FUEL PUMPING COSTS:
-----
ELECTRIC WELL:
  COST PER HOUR..... 4.5596
  COST PER ACRE INCH 2.9479

NATURAL GAS WELL:
  COST PER HOUR..... 2.5792
  COST PER ACRE INCH 1.6675

LP GAS WELL:
  COST PER HOUR..... 17.519
  COST PER ACRE INCH 11.327

DIESEL WELL:
  COST PER HOUR..... 12.135
  COST PER ACRE INCH 7.8455
=====

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TABLE 3. Equipment summary for a 400 acre, flood/sprinkler-irrigated farm with above average management, Cotton City-Animas area, Hidalgo County

EQUIPMENT ITEM & SIZE	ANNUAL HOURS	TOTAL VALUE	VARIABLE COSTS				FIXED COSTS			
			FUEL AND LUBRICANT	FUEL, OIL REPAIR PER HR	REPAIR PER HR	DEPRE- CIATION	TAXES	TOTAL PER HOUR		
TRACTOR 80 HP	443	1	\$26,855.00	\$9,070.72	\$5,234.29	\$20.47	\$11.81	\$1,929.67	\$192.29	\$4.79
TRACTOR 155 HP	230	1	\$38,035.00	\$7,286.22	\$1,862.80	\$31.65	\$8.09	\$5,994.67	\$298.68	\$27.34
PICKUP 1/2 TON	333	1	\$13,000.00	\$7,972.02	\$834.00	\$23.94	\$2.50	\$2,600.00	\$86.36	\$2.88
COTTON PICKER 2 ROW	190	1	\$9,430.00	\$3,499.65	\$9,653.00	\$18.45	\$50.88	\$5,960.00	\$296.96	\$32.98
SHREDDER 4 ROW	52	1	\$2,500.00		\$96.31		\$1.85	\$333.33	\$16.61	\$6.72
ROLLING CULT 4 ROW	66	1	\$2,000.00		\$81.70		\$1.24	\$266.67	\$13.29	\$4.25
CULTIVATOR 4 ROW	147	1	\$1,500.00		\$0.00		\$0.00	\$200.00	\$9.97	\$1.42
DISC 14 FT.	95	1	\$3,000.00		\$162.47		\$1.71	\$400.00	\$19.93	\$4.42
ROTO BUCK	34	1	\$1,000.00		\$8.20		\$0.24	\$133.33	\$6.64	\$4.10
RIPPER 4 ROW (7-SHA)	43	1	\$1,200.00		\$34.68		\$0.82	\$160.00	\$7.97	\$3.95
LISTER 4 ROW	57	1	\$1,600.00		\$56.56		\$0.99	\$213.33	\$10.63	\$3.93
PLANTER 4 ROW	75	1	\$3,400.00		\$579.93		\$7.72	\$680.00	\$22.59	\$9.35
VEG PLANTER 4 ROW	7	1	\$1,500.00		\$7.75		\$1.14	\$300.00	\$9.97	\$45.58
SPRAYER 12 FT	46	1	\$1,375.00		\$123.84		\$2.70	\$183.33	\$9.13	\$4.19
DRAG 8-24 FT.	62	1	\$250.00		\$5.56		\$0.09	\$33.33	\$1.66	\$0.57
PLOW 4-14	19	1	\$4,000.00		\$59.90		\$3.12	\$533.33	\$26.57	\$29.16
COTTON TRAILER 8 BA	153	5	\$6,000.00		\$44.06		\$0.29	\$800.00	\$39.86	\$5.49
FERT SPREADER DLR	16									
NATURAL GAS WELL	7256	3	\$59,250.00	\$18,713.95	\$656.64	\$2.58	\$0.09	\$5,642.86	\$393.62	\$0.88
			\$175,895.00	\$46,542.56	\$19,501.71			\$26,363.86	\$1,462.73	

TABLE 4. WHEAT, SPRINKLER IRRIGATED, BUDGETED PER ACRE COSTS AND RETURNS FOR A 700 ACRE FARM WITH ABOVE AVERAGE MANAGEMENT, COTTON CITY-ANIMAS AREA, HIDALGO COUNTY  
 PLANTING DATES: DECEMBER 10 - DECEMBER 20  
 HARVEST DATES: JUNE 15 - JULY 1

ITEM	PRICE	YIELD						TOTAL
GROSS RETURNS								
WHEAT	\$7.00	50 CWT						\$387.50
TOTAL								\$387.50
PURCHASED INPUTS								
	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	\$0.65	100 LBS	65					\$65.00
ANHYDROUS AMMONIA (NH <sub>3</sub> )	\$0.42	250 LBS	103.75					\$103.75
NITROGEN (N)	\$0.61	30 LBS	18.3					\$18.30
PHOSPHATE (P <sub>2</sub> O <sub>5</sub> )	\$0.60	80 LBS	48					\$48.00
PUMP WATER*		24 ACRE IN.						
CROP INSURANCE SUBTOTAL								\$235.05
PREHARVEST OPERATIONS								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.20	\$4.43	\$1.13	\$3.83	\$10.59
FERTILIZE	185 HP	0.05 HR		\$0.43	\$1.58	\$0.40	\$1.37	\$3.78
DRAG (2X)	96 HP	0.2 HR		\$1.71	\$4.09	\$2.38	\$1.07	\$9.25
ANHYDROUS KNIVES	185 HP	0.1 HR		\$0.86	\$3.17	\$0.81	\$0.00	\$4.83
DRILL	96 HP	0.18 HR		\$1.54	\$3.68	\$2.13	\$0.00	\$7.35
IRRIGATE (4X)		0.6 HR		\$4.50	\$4.50	\$0.00	\$33.75	\$42.75
DISC	96 HP	0.25 HR		\$2.14	\$5.12	\$2.95	\$0.00	\$10.21
SUBTOTAL								\$88.76
HARVEST OPERATIONS								
COMBINE (CUSTOM)			32.22					\$32.22
HAUL TO STORAGE (CUSTOM)			9.5					\$9.50
HAUL TO MARKET (CUSTOM)			22.5					\$22.50
SUBTOTAL								\$64.22
OVERHEAD EXPENSES								
DOWNTIME		0.155 HR		\$1.33				\$1.33
EMPLOYEE BENEFITS				\$2.23				\$2.23
INSURANCE			0.24732					\$0.25
LAND TAXES							\$2.31	\$2.31
SUPERVISION AND MANAGEMENT				\$28.14				\$28.14
OTHER EXPENSES			65.99363					\$65.99
SUBTOTAL								\$100.24
TOTAL OPERATING EXPENSES								
		1.675 HR	365.511	\$44.05	\$26.57	\$9.80	\$42.33	\$488.27
NET OPERATING PROFIT								
								-\$100.77
INTEREST ON OPERATING CAPITAL	(	131.9711	@	0.05	)			\$6.60
INTEREST ON EQUIPMENT INVESTMENT								\$5.90
RETURN TO LAND AND RISK								
								-\$113.26

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

BUDGET SUMMARY

GROSS RETURN		\$387.50	
VARIABLE OPERATING EXPENSES	401.8888		
RETURN OVER VARIABLE EXPENSES		-\$14.39	(GROSS MARGIN)
FIXED EXPENSES	42.32743		
NET FARM INCOME		-\$56.72	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	44.05213		
NET OPERATING PROFIT		-\$100.77	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	12.49389		
RETURN TO LAND AND RISK		-\$113.26	

TABLE 5. CORN FOR GRAIN, SPRINKLER IRRIGATED, BUDGETED PER ACRE COSTS AND RETURNS FOR A 700 ACRE FARM WITH AVERAGE MANAGEMENT, COTTON CITY-ANIMAS AREA, HIDALGO COUNTY  
 PLANTING DATES: APRIL 1 - MAY 15  
 HARVEST DATES: SEPTEMBER 15 - NOVEMBER 1

ITEM	PRICE	YIELD						TOTAL
<b>GROSS RETURNS</b>								
CORN FOR GRAIN	\$4.30	85 CWT						\$539.75
<b>TOTAL</b>							<b>\$539.75</b>	
<b>PURCHASED INPUTS</b>								
	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	\$0.91	32 000	29					\$29.00
ANHYDROUS AMMONIA (NH <sub>3</sub> )	\$0.42	250 LBS	103.75					\$103.75
NITROGEN (N)	\$0.61	80 LBS	48.8					\$48.80
PHOSPHATE (P <sub>2</sub> O <sub>5</sub> )	\$0.60	100 LBS	60					\$60.00
HERBICIDE	\$7.83	1 ACRE	7.8324					\$7.83
PUMP WATER*		40 AC. IN.						
CROP INSURANCE								
<b>SUBTOTAL</b>			<b>249.3824</b>				<b>\$249.38</b>	
<b>PREHARVEST OPERATIONS</b>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
RIPPER	185 HP	0.2 HR		\$1.71	\$6.33	\$1.78	\$6.26	\$16.08
DISC & SPRAY	185 HP	0.15 HR		\$1.28	\$1.28	\$0.00	\$10.97	\$13.53
FERTILIZE	185 HP	0.05 HR		\$0.43	\$1.58	\$0.40	\$1.37	\$3.78
ANHYDROUS KNIVES	185 HP	0.1 HR		\$0.86	\$3.17	\$0.81	\$2.73	\$7.56
PLANTER	185 HP	0.26 HR		\$2.22	\$8.23	\$2.10	\$3.45	\$16.01
CULTIVATOR (2X)	96 HP	0.42 HR		\$3.59	\$8.60	\$4.96	\$2.61	\$19.76
IRRIGATE (12X)		1.8 HR		\$13.50	\$36.84	\$24.34	\$16.57	\$91.25
<b>SUBTOTAL</b>		<b>2.98 HR</b>		<b>\$23.59</b>	<b>\$66.02</b>	<b>\$34.40</b>	<b>\$43.96</b>	<b>\$167.97</b>
<b>HARVEST OPERATIONS</b>								
COMBINE (CUSTOM)			30.6					\$30.60
HAUL TO STORAGE (CUSTOM)			17					\$17.00
HAUL TO MARKET (CUSTOM)			38.25					\$38.25
<b>SUBTOTAL</b>			<b>85.85</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$85.85</b>
<b>POSTHARVEST OPERATIONS</b>								
SHREDDER	80 HP	0.14 HR		\$1.20	\$2.87	\$1.91	\$1.61	\$7.59
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.33 HR		\$2.82				\$2.82
EMPLOYEE BENEFITS				\$4.46				\$4.46
INSURANCE			0.49572					\$0.50
LAND TAXES							\$2.31	\$2.31
SUPERVISION AND MANAGEMENT				\$40.24				\$40.24
OTHER EXPENSES			65.99363					\$65.99
<b>SUBTOTAL</b>		<b>0.33 HR</b>	<b>66.48935</b>	<b>\$47.53</b>			<b>\$2.31</b>	<b>\$116.33</b>
<b>TOTAL OPERATING EXPENSES</b>		<b>3.45 HR</b>	<b>401.7218</b>	<b>\$72.31</b>	<b>\$68.89</b>	<b>\$36.31</b>	<b>\$47.88</b>	<b>\$627.11</b>
<b>NET OPERATING PROFIT</b>							<b>-\$87.36</b>	
INTEREST ON OPERATING CAPITAL	(	158.1446	@	0.05			\$7.91	
INTEREST ON EQUIPMENT INVESTMENT							\$10.65	
<b>RETURN TO LAND AND RISK</b>							<b>-\$105.92</b>	

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

**BUDGET SUMMARY**

GROSS RETURN		\$539.75	
VARIABLE OPERATING EXPENSES	506.9189		
RETURN OVER VARIABLE EXPENSES	\$32.83		(GROSS MARGIN)
FIXED EXPENSES	47.88081		
NET FARM INCOME	-\$15.05		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	72.31148		
NET OPERATING PROFIT	-\$87.36		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	18.55535		
RETURN TO LAND AND RISK	-\$105.92		

TABLE 6. Grain sorghum, flood-irrigated, budgeted per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County  
 Planting dates: May 1 - May 20  
 Harvesting dates: November 1 - November 25

ITEM	PRICE	YIELD						TOTAL
<b>GROSS RETURNS</b>								
GRAIN SORGHUM	\$7.06	62 CWT						\$646.79
ASCS DIVERSION	0	0 CWT						\$0.00
ASCS DEFICIENCY	0	0 CWT						\$0.00
<b>TOTAL</b>								<b>\$646.79</b>
<b>PURCHASED INPUTS</b>								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	2.04	8 LBS	\$16.32					\$16.32
ANHYDROUS AMMONIA (NH <sub>3</sub> )	0.415	180 LBS	\$74.70					\$74.70
HERBICIDE	9.455	1 ACRE	\$9.46					\$9.46
INSECTICIDE (CUSTOM)	10.065	1 ACRE	\$10.07					\$10.07
PUMP WATER*		30 AC. IN.						
CROP INSURANCE	0.367647		\$0.37					\$0.37
<b>SUBTOTAL</b>			<b>\$110.91</b>					<b>\$110.91</b>
<b>PREHARVEST OPERATIONS</b>								
PREHARVEST OPERATIONS	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
RIPPER	185 HP	0.2 HR		\$1.71	\$6.33	\$1.78	\$6.26	\$16.08
DISC	185 HP	0.14 HR		\$1.20	\$4.43	\$1.37	\$4.45	\$11.45
FERTILIZE	185 HP	0.05 HR		\$0.43	\$1.58	\$0.40	\$1.37	\$3.78
DRAG (2X)	96 HP	0.2 HR		\$1.71	\$4.09	\$2.38	\$1.07	\$9.25
DISC & SPRAY	185 HP	0.15 HR		\$1.28	\$4.75	\$1.87	\$5.39	\$13.30
LISTER	185 HP	0.18 HR		\$1.54	\$5.70	\$1.64	\$5.63	\$14.50
PRE-IRRIGATE		0.75 HR		\$5.63	\$8.34	\$0.29	\$2.85	\$17.10
ROLLING CULT	96 HP	0.21 HR		\$1.80	\$4.30	\$2.74	\$1.90	\$10.73
PLANTER	96 HP	0.26 HR		\$2.22	\$5.32	\$5.08	\$3.68	\$16.30
CULTIVATOR (2X)	96 HP	0.42 HR		\$3.59	\$8.60	\$4.96	\$2.61	\$19.76
ROTO BUCK (7X)	96 HP	0.105 HR		\$0.90	\$2.15	\$1.27	\$0.93	\$5.24
IRRIGATE (5X)		2.5 HR		\$18.75	\$41.69	\$1.46	\$14.25	\$76.15
<b>SUBTOTAL</b>		<b>5.165 HR</b>		<b>\$40.75</b>	<b>\$97.27</b>	<b>\$25.25</b>	<b>\$50.38</b>	<b>\$213.65</b>
<b>HARVEST OPERATIONS</b>								
COMBINE (CUSTOM)			\$22.94					\$22.94
HAUL TO STORAGE (CUSTOM)			\$11.78					\$11.78
<b>SUBTOTAL</b>			<b>\$34.72</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$34.72</b>
<b>POST HARVEST OPERATIONS</b>								
SHREDDER	80 HP	0.14 HR		\$1.20	\$2.87	\$1.91	\$1.61	\$7.59
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.51375 HR		\$4.39				\$4.39
EMPLOYEE BENEFITS				\$7.55				\$7.55
INSURANCE			\$0.84					\$0.84
LAND TAXES							\$2.31	\$2.31
SUPERVISION AND MANAGEMENT				\$49.55				\$49.55
OTHER EXPENSES			\$65.99					\$65.99
<b>SUBTOTAL</b>		<b>0.51375 HR</b>	<b>\$66.83</b>	<b>\$61.50</b>			<b>\$2.31</b>	<b>\$130.64</b>
<b>TOTAL OPERATING EXPENSES</b>		<b>5.81875 HR</b>	<b>\$212.46</b>	<b>\$103.44</b>	<b>\$100.14</b>	<b>\$27.16</b>	<b>\$54.30</b>	<b>\$497.50</b>
<b>NET OPERATING PROFIT</b>								
								<b>\$149.29</b>
INTEREST ON OPERATING CAPITAL	(	90.17133	@	\$0.05				\$4.51
INTEREST ON EQUIPMENT INVESTMENT								\$16.90
<b>RETURN TO LAND AND RISK</b>								
								<b>\$127.89</b>

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

**BUDGET SUMMARY**

GROSS RETURN		646.7929	
VARIABLE OPERATING EXPENSES	339.7569		
RETURN OVER VARIABLE EXPENSES		307.036	(GROSS MARGIN)
FIXED EXPENSES	54.30138		
NET FARM INCOME		252.7346	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	103.441		
NET OPERATING PROFIT		149.2936	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	21.40733		
RETURN TO LAND AND RISK		127.8863	

TABLE 7. Upland cotton (picker), flood-irrigated, budgeted per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County  
 Planting dates: April 15 - May 15  
 Harvesting dates: October 15 - January 1

ITEM	PRICE	YIELD						TOTAL
<b>GROSS RETURNS</b>								
COTTON LINT	\$0.90	1060 LBS						\$763.20
COTTON SEED	\$0.05	1696 LBS						\$82.68
<b>TOTAL</b>							<b>\$845.88</b>	
<b>PURCHASED INPUTS</b>								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	\$8.00	25 LBS	\$200.00					\$200.00
NITROGEN (N)	\$0.61	32 LBS	\$19.52					\$19.52
PHOSPHATE (P2O5)	\$0.60	40 LBS	\$24.00					\$24.00
HERBICIDE	\$9.46	1 ACRE	\$9.46					\$9.46
CROP INSURANCE	\$0.00	1 DOLLARS	\$0.00					\$0.00
PUMP WATER*		28 AC. IN.						
<b>SUBTOTAL</b>			<b>\$252.98</b>					<b>\$252.98</b>
<b>PREHARVEST OPERATIONS</b>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
RIPPER	185 HP	0.1 HR		\$0.86	\$3.17	\$0.89	\$3.13	\$8.04
DISC	185 HP	0.14 HR		\$1.20	\$4.43	\$1.37	\$4.45	\$11.45
FERTILIZE	185 HP	0.05 HR		\$0.43	\$1.58	\$0.40	\$1.37	\$3.78
DRAG (2X)	96 HP	0.2 HR		\$1.71	\$4.09	\$2.38	\$1.07	\$9.25
DISC & SPRAY	185 HP	0.15 HR		\$1.28	\$4.75	\$1.87	\$5.39	\$13.30
LISTER	185 HP	0.18 HR		\$1.54	\$5.70	\$1.64	\$5.63	\$14.50
PRE-IRRIGATE		1 HR		\$7.50	\$9.34	\$0.33	\$3.19	\$20.36
ROLLING CULT. PLANTER	96 HP	0.21 HR		\$1.80	\$4.30	\$2.74	\$1.90	\$10.73
CULTIVATOR (2X)	96 HP	0.26 HR		\$2.22	\$5.32	\$5.08	\$3.68	\$16.30
HAND HOE (CUSTOM)		0.42 HR		\$3.59	\$8.60	\$4.96	\$2.61	\$19.76
ROTO BUCK (5X)	96 HP	0.075 HR	\$15.00	\$0.64	\$1.53	\$0.90	\$0.67	\$3.75
IRRIGATE (4X)		4 HR		\$30.00	\$37.35	\$1.31	\$12.77	\$81.43
<b>SUBTOTAL</b>			<b>\$15.00</b>	<b>\$52.76</b>	<b>\$90.16</b>	<b>\$23.88</b>	<b>\$45.84</b>	<b>\$227.64</b>
<b>HARVEST OPERATIONS</b>								
COTTON PICKER (2X)	2 ROW	1.24 HR		\$10.60	\$22.87	\$57.35	\$40.90	\$131.72
COTTON TRAILER (2X)	HALF TON	1 HR		\$8.55	\$23.94	\$2.79	\$8.37	\$43.65
GIN COTTON (CUSTOM)			\$115.75					\$115.75
<b>SUBTOTAL</b>			<b>\$115.75</b>	<b>\$19.15</b>	<b>\$46.81</b>	<b>\$60.14</b>	<b>\$49.26</b>	<b>\$291.12</b>
<b>POSTHARVEST OPERATIONS</b>								
SHREDDER	80 HP	0.14 HR		\$1.20	\$2.87	\$1.91	\$1.61	\$7.59
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		1.04125 HR		\$8.90				\$8.90
EMPLOYEE BENEFITS				\$13.16				\$13.16
INSURANCE			\$1.46					\$1.46
LAND TAXES							\$2.31	\$2.31
SUPERVISION AND MANAGEMENT				\$66.29				\$66.29
OTHER EXPENSES			\$65.99					\$65.99
<b>SUBTOTAL</b>			<b>1.04125 HR</b>	<b>\$67.46</b>	<b>\$88.36</b>		<b>\$2.31</b>	<b>\$158.12</b>
<b>TOTAL OPERATING EXPENSES</b>		<b>10.20625 HR</b>	<b>\$451.18</b>	<b>\$161.47</b>	<b>\$139.84</b>	<b>\$85.93</b>	<b>\$99.03</b>	<b>\$937.45</b>
<b>NET OPERATING PROFIT</b>								
INTEREST ON OPERATING CAPITAL	(	174.7495	@	\$0.05				\$8.74
INTEREST ON EQUIPMENT INVESTMENT								\$32.42
<b>RETURN TO LAND AND RISK</b>								
							<b>-\$132.72</b>	

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

**BUDGET SUMMARY**

GROSS RETURN		\$845.88	
VARIABLE OPERATING EXPENSES	676.9493		
RETURN OVER VARIABLE EXPENSES		\$168.93	(GROSS MARGIN)
FIXED EXPENSES	99.02926		
NET FARM INCOME		\$69.90	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	161.4675		
NET OPERATING PROFIT		-\$91.57	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	41.15253		
RETURN TO LAND AND RISK		-\$132.72	

TABLE 8. Green chile, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Cotton City-Animas Area, Hidalgo County  
 Planting dates: March 15 - May 1  
 Harvesting dates: August 15 - September 15

ITEM	PRICE	YIELD						TOTAL
<b>GROSS RETURNS</b>								
GREEN CHILE	\$475.00	10 TONS						\$4,750.00
RED CHILE	0	0 LBS						\$0.00
<b>TOTAL</b>							<b>\$4,750.00</b>	
<b>PURCHASED INPUTS</b>								
PURCHASED INPUTS	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	\$88.00	4 LBS	\$352.00					\$352.00
ANHYDROUS AMMONIA (NH <sub>3</sub> )	\$0.42	300 LBS	\$124.50					\$124.50
NITROGEN (N)	\$0.61	60 LBS	\$36.60					\$36.60
PHOSPHATE (P <sub>2</sub> O <sub>5</sub> )	\$0.60	150 LBS	\$90.00					\$90.00
HERBICIDE	\$12.57	1 ACRE	\$12.57					\$12.57
INSECTICIDE	\$12.57	1 ACRE	\$12.57					\$12.57
CROP INSURANCE	\$0.00	1 DOLLARS	\$0.00					\$0.00
PUMP WATER*		54 AC. IN.						
<b>SUBTOTAL</b>			<b>\$628.23</b>					<b>\$628.23</b>
<b>PREHARVEST OPERATIONS</b>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.20	\$4.43	\$1.37	\$4.45	\$11.45
PLOW	185 HP	0.48 HR		\$4.10	\$15.19	\$5.38	\$27.12	\$51.80
DISC	185 HP	0.14 HR		\$1.20	\$4.43	\$1.37	\$4.45	\$11.45
LASER (CUSTOM)			\$73.33					\$73.33
LISTER & SPRAY	185 HP	0.13 HR		\$1.11	\$4.12	\$1.53	\$4.61	\$11.37
FERTILIZE	185 HP	0.05 HR		\$0.43	\$1.58	\$0.40	\$1.37	\$3.78
PRE-IRRIGATE		0.75 HR		\$6.41	\$45.02	\$0.07	\$0.66	\$52.16
ROLLING CULT	96 HP	0.13 HR		\$1.11	\$2.66	\$1.70	\$4.11	\$9.58
VEGETABLE PLANTER	96 HP	0.17 HR		\$1.45	\$3.48	\$2.20	\$8.56	\$15.70
CULTIVATOR (5X)	96 HP	0.65 HR		\$5.56	\$13.30	\$7.68	\$5.87	\$32.41
THIN & HOE (CUSTOM)			\$90.00					\$90.00
ROTO BUCK (7X)	96 HP	0.21 HR		\$1.80	\$4.30	\$2.53	\$1.87	\$10.49
IRRIGATE (8X)		4 HR		\$34.20	\$80.04	\$3.28	\$3.53	\$121.04
<b>SUBTOTAL</b>			<b>\$163.33</b>	<b>\$58.57</b>	<b>\$178.56</b>	<b>\$27.51</b>	<b>\$66.59</b>	<b>\$494.56</b>
<b>HARVEST OPERATIONS</b>								
HARVEST GREEN (CUSTOM)			\$900.00					\$900.00
HARVEST RED (CUSTOM)			\$0.00					\$0.00
HAUL	3/4 TON	6 HR		\$51.30	\$143.64	\$13.26	\$17.28	\$225.48
<b>SUBTOTAL</b>			<b>\$900.00</b>	<b>\$51.30</b>	<b>\$143.64</b>	<b>\$13.26</b>	<b>\$17.28</b>	<b>\$1,125.48</b>
<b>POST HARVEST OPERATIONS</b>								
SHREDDER	80 HP	0.29 HR		\$2.48	\$5.93	\$3.96	\$3.34	\$15.71
<b>SUBTOTAL</b>			<b>\$0.00</b>	<b>\$2.48</b>	<b>\$5.93</b>	<b>\$3.96</b>	<b>\$3.34</b>	<b>\$15.71</b>
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		0.5975 HR		\$3.45				\$3.45
EMPLOYEE BENEFITS				\$20.22				\$20.22
INSURANCE			\$2.25					\$2.25
LAND TAXES						\$2.31	\$2.31	
SUPERVISION AND MANAGEMENT				\$200.00				\$200.00
OTHER EXPENSES			\$65.99					\$65.99
<b>SUBTOTAL</b>			<b>0.5975 HR</b>	<b>\$68.24</b>	<b>\$223.67</b>		<b>\$2.31</b>	<b>\$294.22</b>
<b>TOTAL OPERATING EXPENSES</b>		<b>13.7375 HR</b>	<b>\$1,759.80</b>	<b>\$336.02</b>	<b>\$328.13</b>	<b>\$44.73</b>	<b>\$89.51</b>	<b>\$2,558.20</b>
<b>NET OPERATING PROFIT</b>							<b>\$2,191.80</b>	
INTEREST ON OPERATING CAPITAL		( 453.7085 @	\$0.05 )					\$22.69
INTEREST ON EQUIPMENT INVESTMENT							\$42.50	
<b>RETURN TO LAND AND RISK</b>							<b>\$2,126.61</b>	

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

**BUDGET SUMMARY**

GROSS RETURN		\$4,750.00	
VARIABLE OPERATING EXPENSES	2132.669		
RETURN OVER VARIABLE EXPENSES	\$2,617.33	(GROSS MARGIN)	
FIXED EXPENSES	89.51297		
NET FARM INCOME	\$2,527.82	(RETURN TO CAPITAL, LABOR, LAND & RISK)	
LABOR AND MANAGEMENT COST	336.016		
NET OPERATING PROFIT	\$2,191.80	(RETURN TO CAPITAL, LAND & RISK)	
CAPITAL COSTS	65.18734		
RETURN TO LAND AND RISK	\$2,126.61		

TABLE 9. Red chile, flood-irrigated, budgeted per acre costs and returns for a 640 acre farm with above average management, Cotton City-Animas Area, Hidalgo County  
 Planting dates: March 15 - May 1  
 Harvesting dates: September 15 - January 31

ITEM	PRICE	YIELD						TOTAL
<b>GROSS RETURNS</b>								
RED CHILE	\$1.00	3500 LBS						\$3,500.00
<b>TOTAL</b>							\$3,500.00	
<b>PURCHASED INPUTS</b>								
	PRICE	QUANTITY	PURCHASED INPUTS					TOTAL
SEED	18.00	4 LBS	\$72.00					\$72.00
ANHYDROUS AMMONIA (NH <sub>3</sub> )	0.42	230 LBS	\$95.45					\$95.45
NITROGEN (N)	0.36	60 LBS	\$21.60					\$21.60
PHOSPHATE (P <sub>2</sub> O <sub>5</sub> )	0.33	150 LBS	\$49.50					\$49.50
HERBICIDE	14.11	1 ACRE	\$14.11					\$14.11
INSECTICIDE	14.22	1 ACRE	\$14.22					\$14.22
CROP INSURANCE	0.00	1 DOLLARS	\$0.00					\$0.00
PUMP WATER*		48 AC. IN.						
<b>SUBTOTAL</b>			\$266.87					\$266.87
<b>PREHARVEST OPERATIONS</b>								
	POWER UNIT	ACCOMPLISHMENT RATE	PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC	185 HP	0.14 HR		\$1.20	\$4.43	\$1.37	\$4.45	\$11.45
PLOW	185 HP	0.48 HR		\$4.10	\$15.19	\$5.38	\$27.12	\$51.80
DISC	185 HP	0.14 HR		\$1.20	\$4.43	\$1.37	\$4.45	\$11.45
DRAG (2X)	96 HP	0.2 HR		\$1.71	\$4.09	\$2.38	\$1.07	\$9.25
LISTER	185 HP	0.12 HR		\$1.03	\$3.80	\$1.09	\$3.75	\$9.67
FERTILIZE	185 HP	0.05 HR		\$0.43	\$1.58	\$0.40	\$1.37	\$3.78
PRE-IRRIGATE		0.75 HR		\$6.41	\$40.02	\$0.07	\$0.66	\$47.16
ROLLING CULT	96 HP	0.13 HR		\$1.11	\$2.66	\$1.70	\$1.17	\$6.64
VEGETABLE PLANTER	96 HP	0.17 HR		\$1.45	\$3.48	\$2.20	\$8.56	\$15.70
CULTIVATOR (5X)	96 HP	0.65 HR		\$5.56	\$13.30	\$7.68	\$4.04	\$30.57
THIN & HOE (CUSTOM)			\$90.00					\$90.00
ROTO BUCK (7X)	96 HP	0.21 HR		\$1.80	\$5.03	\$2.53	\$1.87	\$11.22
IRRIGATE (11X)		5.5 HR		\$47.03	\$73.37	\$0.50	\$4.85	\$125.74
<b>SUBTOTAL</b>			\$90.00	\$73.02	\$171.39	\$26.67	\$63.36	\$424.44
<b>HARVEST OPERATIONS</b>								
HARVEST (CUSTOM)			\$700.00					\$700.00
HAUL	3/4 TON	3 HR		\$25.65	\$71.82	\$6.63	\$8.64	\$112.74
<b>SUBTOTAL</b>			\$700.00	\$25.65	\$71.82	\$6.63	\$8.64	\$812.74
<b>POST HARVEST OPERATIONS</b>								
SHREDDER	80 HP	0.29 HR		\$2.48	\$5.93	\$3.96	\$3.34	\$15.71
<b>SUBTOTAL</b>			\$0.00	\$2.48	\$5.93	\$3.96	\$3.34	\$15.71
<b>OVERHEAD EXPENSES</b>								
DOWNTIME		1.395 HR		\$11.93				\$11.93
EMPLOYEE BENEFITS				\$18.21				\$18.21
INSURANCE			\$2.02					\$2.02
LAND TAXES						\$2.31		\$2.31
SUPERVISION AND MANAGEMENT				\$101.06				\$101.06
OTHER EXPENSES			\$65.99					\$65.99
<b>SUBTOTAL</b>			\$68.02	\$131.20	\$0.00	\$0.00	\$2.31	\$201.52
<b>TOTAL OPERATING EXPENSES</b>		13.225 HR	\$1,124.89	\$232.34	\$249.15	\$37.26	\$77.64	\$1,721.28
<b>NET OPERATING PROFIT</b>							\$1,778.72	
INTEREST ON OPERATING CAPITAL	(	248.6471	@	\$0.05	)			\$12.43
INTEREST ON EQUIPMENT INVESTMENT								\$34.31
<b>RETURN TO LAND AND RISK</b>							\$1,731.97	

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

**BUDGET SUMMARY**

GROSS RETURN		\$3,500.00	
VARIABLE OPERATING EXPENSES	\$1,411.30		
RETURN OVER VARIABLE EXPENSES	\$2,088.70		(GROSS MARGIN)
FIXED EXPENSES	\$77.64		
NET FARM INCOME	\$2,011.06		(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$232.34		
NET OPERATING PROFIT	\$1,778.72		(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$46.74		
RETURN TO LAND AND RISK	\$1,731.97		

TABLE 10. Summary of per acre costs and returns for a 400 acre farm with above average management, Cotton City-Animas area, Hidalgo County, 2007.

	GRAIN SORGHUM	PICKER COTTON	GREEN CHILE	RED CHILE
	-----FLOOD-----			
	CWT	LBS	TONS	LBS
PRIMARY YIELD	62	1060	10	3500
PRIMARY PRICE	\$10.43	\$0.72	\$475.00	\$1.00
GOVERNMENT PAYMENTS	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME	\$0.00	\$82.68	\$0.00	\$0.00
GROSS RETURN	\$646.79	\$845.88	\$4,750.00	\$3,500.00
CASH OPERATING EXPENSES				
SEED	\$16.32	\$200.00	\$352.00	\$72.00
FERTILIZER	\$74.70	\$43.52	\$251.10	\$166.55
CHEMICALS	\$19.52	\$9.46	\$25.13	\$28.32
CROP INSURANCE	\$0.37	\$0.00	\$0.00	\$0.00
OTHER PURCHASED INPUTS				
CANAL WATER				
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$50.11	\$93.15	\$203.07	\$135.76
FUEL-IRRIGATION	\$50.03	\$46.69	\$125.06	\$113.39
REPAIRS	\$27.16	\$85.93	\$44.73	\$37.26
CUSTOM CHARGES	\$34.72	\$130.75	\$1,063.33	\$790.00
LAND TAXES	\$2.31	\$2.31	\$2.31	\$2.31
OTHER EXPENSES	\$66.83	\$67.46	\$68.24	\$68.02
TOTAL CASH EXPENSES	\$342.07	\$679.26	\$2,134.98	\$1,413.61
RETURN OVER CASH EXPENSES	\$304.72	\$166.62	\$2,615.02	\$2,086.39
FIXED EXPENSES	\$51.99	\$96.72	\$87.20	\$75.33
TOTAL EXPENSES	\$394.06	\$775.98	\$2,222.18	\$1,488.94
NET FARM INCOME	\$252.73	\$69.90	\$2,527.82	\$2,011.06
LABOR AND MANAGEMENT COSTS	\$103.44	\$161.47	\$332.50	\$232.34
NET OPERATING PROFIT	\$149.29	-\$91.57	\$2,195.32	\$1,778.72
CAPITAL COSTS				
INTEREST ON OPERATING CAPITAL	\$4.51	\$8.74	\$22.69	\$12.43
INTEREST ON EQUIPMENT INVESTMENT	\$16.90	\$32.42	\$42.50	\$34.31
TOTAL CAPITAL COSTS	\$21.41	\$41.15	\$65.19	\$46.74
RETURN TO LAND AND RISK	\$127.89	-\$132.72	\$2,130.13	\$1,731.97
=====				
=====				



TABLE 11. Whole farm summary, Cotton City-Animas Area, Hidalgo County,  
Projected 2013.

-----		
GROSS RETURNS		
GRAIN SORGHUM	136 ACRES	
CROP		\$87,964
ASCS DEFICIENCY		\$0
ASCS DIVERSION		\$0
UPLAND COTTON	153 ACRES	
LINT		\$116,770
SEED		\$12,650
ASCS DEFICIENCY		\$0
ASCS DIVERSION		\$0
GREEN CHILE	20 ACRES	
GREEN		\$95,000
RED		\$0
RED CHILE	20 ACRES	
CROP		\$70,000
GROSS RETURN		\$382,383
CASH OPERATING EXPENSES		
SEED		\$41,300
FERTILIZER		\$25,171
CHEMICALS		\$5,170
CROP INSURANCE		\$2,210
OTHER PURCHASED INPUTS		\$0
CANAL WATER		\$0
FUEL, OIL & LUBRICANTS-EQUIPMENT		\$27,843
FUEL-IRRIGATION		\$18,716
REPAIRS		\$18,481
CUSTOM CHARGES		\$61,794
LAND TAXES		\$761
OTHER EXPENSES		\$22,135
TOTAL CASH EXPENSES		\$223,580
RETURN OVER CASH EXPENSES		\$158,803
FIXED EXPENSES		\$25,119
TOTAL EXPENSES		\$248,699
NET FARM INCOME		\$133,684
LABOR AND MANAGEMENT COSTS		\$50,069
NET OPERATING PROFIT		\$83,615
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL		\$2,652
INTEREST ON EQUIPMENT INVESTMENT		\$8,794
TOTAL CAPITAL COSTS		\$11,446
RETURN TO LAND AND RISK		\$72,169
=====		
-----		
LAND VALUE	RETURN TO RISK*	RETURN ON INVESTMENT**
-----		
500 /ACRE	64,168.68	22.24%
700 /ACRE	60,968.68	18.34%
900 /ACRE	57,768.68	15.60%
1100 /ACRE	54,568.68	13.58%
1300 /ACRE	51,368.68	12.02%
1500 /ACRE	48,168.68	10.78%
-----		
* 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)		
Flex Computation	196.7746	-3.58611