

*Projections for Planning Purposes Only  
Not to be Used without Updating after October 15, 2003*

Table 1. Parameters

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Diesel Fuel (DI) Price . . . . . (\$/gal):	1.06
Electricity (EL) Price . . . . . (\$/kWh):	0.09
Gasoline (GA) Price . . . . . (\$/gal):	1.47
LP Gas (LP) Price . . . . . (\$/gal):	0.50
Natural Gas (NG) Price . . . . . (\$/Mcf):	3.00
Operator Labor (OL) Wage Rate . . (\$/hr):	7.00
Hand Labor (HL) Wage Rate . . . . (\$/hr):	7.00
Irrigation Labor (IL) Wage Rate . (\$/hr):	7.00
Owner Labor (WL) Wage Rate . . . . (\$/hr):	10.00
Short-term Interest Rate . . . . . (%) :	7.00
Intermediate-term Interest Rate . . . (%) :	6.00
Comment at End of Table Titles . . . . . :	
Comment at End of Tables:	

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Table 2. Self-Propelled Machines

RECORD NUM	ITEM NAME	SIZE	PERF RATE	FUEL TYPE	FUEL CONS RATE	LABOR TYPE	LABOR MULT	PURCHASE PRICE	SV RATE	R&M RATE	USEFUL LIFE	ANNUAL USE
10	4-Wheeler		1.0000	GA	10.00	OL	1.00	4000.00	38.00	38.00	5.00	200.00
12	Cotton Picker	4 row	0.2500	DI	12.00	OL	0.00	258910.00	30.00	15.00	10.00	600.00
11	Cotton Stripper	8 row	0.4000	DI	16.00	OL	0.00	125100.00	80.00	24.00	10.00	600.00
3	pickup #1		0.0067	GA	15.00	OL	0.00	30000.00	24.00	8.40	5.00	1500.00
4	pickup #2		0.0067	GA	15.00	OL	0.00	10000.00	17.00	8.40	5.00	1500.00
13	Swather	18 ft	0.1000	DI	5.00	OL	1.00	75000.00	77.00	10.00	7.00	850.00

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Table 3. Tractors

RECORD NUM	ITEM NAME	SIZE	FUEL TYPE	FUEL CONS RATE	LABOR TYPE	LABOR MULT	PURCHASE PRICE	SV RATE	R&M RATE	USEFUL LIFE	ANNUAL USE
4	tractor	140 hp	DI	7.00	OL	1.00	75400.00	38.0	60.00	10.00	300.00
5	tractor	160 hp	DI	8.25	OL	1.00	90000.00	38.0	60.00	7.00	300.00
2	tractor-	150	DI	7.72	OL	1.00	81900.00	51.0	24.00	10.00	400.00
1	tractor-	180	DI	8.50	OL	1.00	112500.00	46.0	31.00	10.00	600.00

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Table 4. Implements

RECORD NUM	ITEM NAME	SIZE	PERF RATE	TRAC NUM	TRAC MULT	FUEL MULT	LABOR TYPE	ADD LABOR	PURCHASE PRICE	SV RATE	R&M RATE	USEFUL LIFE	ANNUAL USE
5	3-pt. Sprayer-	60 ft	0.1250	2	1.00	1.00		0.00	7450.00	10.00	47.00	7.00	200.00
36	Baler	3X4 Bale	0.1000	5	1.00	1.00		0.00	60000.00	58.00	10.00	7.00	850.00
14	bedder		0.0572	1	1.00	1.00	OL	1.20	13500.00	10.00	80.00	7.00	200.00
8	boll buggy-		0.0333	2	1.00	1.00		0.00	15300.00	45.00	46.00	10.00	300.00
2	chisel		0.1333	1	1.00	1.00		0.00	5000.00	10.00	70.00	10.00	200.00
20	Chisel/Ripper-	11 shank	0.0996	1	1.00	1.00	OL	1.20	8100.00	10.00	22.00	7.00	100.00
18	Disc - Offset-	19 ft	0.1380	2	1.00	1.00	OL	1.20	18000.00	10.00	27.00	7.00	200.00
12	disc - Tandem-	23 ft	0.1380	1	1.00	1.00		0.00	24300.00	10.00	27.00	7.00	200.00
32	Drill -	16 ft	0.0500	2	0.00	0.00		0.00	11700.00	37.00	30.00	10.00	300.00
11	fertilizer rig		0.0337	2	1.00	1.00		0.00	2000.00	10.00	60.00	10.00	250.00
30	field cultivator		0.0654	5	1.00	1.00		1.20	3300.00	38.00	70.00	7.00	200.00
13	field cultivator-	31 ft	0.0654	1	1.00	1.00	OL	1.20	21000.00	10.00	23.00	7.00	200.00
19	float-		0.1380	1	1.00	1.00	OL	1.10	10000.00	35.00	35.00	7.00	200.00
24	Fresno-box Scraper-		0.3273	1	1.00	1.00		1.20	2175.00	38.00	70.00	10.00	200.00
22	Land Plane-		0.1181	1	1.00	1.00		1.20	40000.00	38.00	70.00	10.00	200.00
7	lister-	8 row	0.1333	1	1.00	1.00		0.00	6000.00	50.00	80.00	10.00	200.00
37	Loader		0.1000	5	1.00	1.82	HL	1.82	7500.00	20.00	13.00	10.00	800.00
31	Module Builder-	w/autotamp	0.1292	2	0.00	1.85	HL	1.85	23400.00	45.00	30.00	10.00	300.00
21	moldboard-	6 bottom	0.2864	1	1.00	1.00	OL	1.20	13050.00	38.00	70.00	10.00	200.00
3	planter / replanter-	8 row	0.1375	2	1.00	1.00		0.00	23400.00	40.00	21.00	7.00	50.00
35	Rake	14 whl	0.0500	4	1.00	1.00		0.00	9900.00	50.00	20.00	10.00	425.00
25	Rear Blade		0.0996	2	1.00	1.00		1.20	2500.00	38.00	70.00	7.00	100.00
10	replant row cultivat		0.1375	2	1.00	1.00		0.00	7500.00	15.00	80.00	7.00	100.00
34	Rolling Cultivator		0.0000	2	0.00	0.00		0.00	10500.00	52.00	48.00	10.00	300.00
26	Rotary hoe-	30 ft	0.1473	5	1.00	1.00		1.20	5175.00	38.00	39.00	10.00	200.00
4	row cultivator-		0.1031	2	1.00	1.00		0.00	7500.00	20.00	33.00	7.00	180.00
28	scratcher-	17 row	0.0572	4	1.00	1.00		1.20	7920.00	38.00	33.00	7.00	200.00
27	shank cultivator-		0.1473	1	1.00	1.00		1.20	13900.00	38.00	70.00	10.00	200.00
1	shredder -	25 ft	0.1495	2	1.00	1.00		0.00	17640.00	10.00	40.00	7.00	200.00
23	sprayer		0.1577	2	1.00	1.00		1.20	3500.00	38.00	70.00	7.00	100.00
29	spring tooth-		0.1100	1	1.00	1.00		1.20	2500.00	38.00	70.00	7.00	200.00
9	springtooth harrow-	30 ft	0.1667	2	1.00	1.00		0.00	7200.00	20.00	35.00	10.00	150.00
15	stalk chopper/bedder		0.0572	1	1.00	1.00	OL	1.20	11000.00	40.00	80.00	7.00	200.00
16	stalk cutter/chp'r-		0.1200	2	1.00	1.00	OL	0.00	7500.00	40.00	47.00	7.00	200.00
17	sweep/field cultivt-		0.0654	1	1.00	1.00	OL	0.00	12000.00	10.00	30.00	7.00	200.00

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Table 5. Operating Inputs

RECORD				COST	
NUM	ITEM NAME	UNIT	PRICE	YIELD?	COMMENT
CROP INSURANCE					
76	2nd planting - 25%BT	lb.	2.35		
4	crop insurance	acre	18.00		
53	crop insurance-cotto	acre	18.00		
54	MPCI 65%	acre	13.00		
74	pima cotton	lb.	0.55		
29	seed ctn furrow 2nd	lb.	1.35		
CUSTOM					
51	Aerial Spraying	acre	4.00		
35	custom combine	acre	20.00		
37	custom combine-Lesqu	acre	13.00		
38	custom haul - laqu	bushel	0.13		
36	custom hauling	ton	16.00		
50	fert. spreader	acre	0.75		
44	gin,bag,tie-furrow	acre	46.83		
46	gin,bag,tie-pima	cwt	3.30		
48	gin,bag,tie-skip row	acre	12.73		
49	gin,bag,tie-transgen	acre	84.68		
52	harvest aid	acre	3.50		
47	module haul - pima	bale	55.00		
45	module hauling-furro	module	30.00		
34	Spray Head Moth	acre	4.50		
FERTILIZER					
91	11-52-0	lbs	0.12		
73	booster shot of N	lb.	0.13		
72	N21,P15,K7	lb.	0.12		
31	N32 in water	lb.	0.18		
24	nitrogen	lb.	0.15		
71	nitrogen - cotton	lb.	0.18		
25	phosphate	lb.	0.29		
41	postplant-fert	lb.	0.23		
40	preplant-fert	lb.	0.23		
26	sulphuric acid	lb.	1.00		
Harvest Chemical					
3	cyclone defoliant	oz.	0.25		
56	defoliant	pint	1.00		
HARVEST					
2	cttn hvst. var. cost	lb.	0.05		
1	custom ginning	lb.	0.09		
HERBICIDES					
19	death and prep	pints	1.00		
18	pix	qts.	1.00		
9	RU banded w/ planter	pt.	1.00		
12	RU banded with repla	pt.	1.00		
11	spot spray	pt	1.50		
INSECTICIDES					
80	bollweevil	acre	20.00		
92	Declare	pint	3.50		
10	insecticide	pt.	1.00		
63	insecticide -cotton	pint	2.50		
94	Steward	Ounce	1.20		
Irrigation Energy					
81	Electricity-TP	\$/ac-i	6.65		
Labor					
82	Irrigation Labor	Hr/ac	7.00		
Miscellaneous					
55	excess water	ac-in.	1.25		
Preharvest Chemical					
64	broadcast prowl	pint	2.88		
43	broadleaf goal	lb.	20.00		
68	cyclone - direx	pint	1.00		
70	flea hopper	acre	1.00		
17	flea hopper insect	pts.	1.00		
58	insecticide-gin	acre	1.00		
32	Parathon/Scout extra	pint	8.50		
65	pix	oz	1.16		
67	pix - transgenic	acre	8.00		
33	Prowl Banded	quart	1.50		
90	Raptor	Oz.	4.00		
8	roundup	pt	2.67		
69	roundup	ounce	1.00		

*Information presented is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm or ranch operation.  
These projections were collected and developed by staff members of Texas Cooperative Extension and approved for publication*

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66	roundup (4 leaf)	pint	2.67	
59	spot spray - furrow	acre	10.00	
60	spot spray w caperol	pint	1.00	
62	spot spray-nonrr	acre	2.50	
61	spot spray-rr	acre	1.50	
42	Treflan	pint	3.50	
57	Treflan - cotton	pint	1.00	
SEED				
75	2nd planting - 25% f	lb.	1.10	
78	2nd plantning non rr	lb.	0.24	
89	Alfalfa seed	lb.	3.00	
77	cotton seed non rr	lb.	0.24	
39	lesquerella	lb.	1.00	
14	seed (1st plant. Bt)	lb.	2.35	
5	seed (1st planting)	lb.	1.10	
15	seed (2nd plant. Bt)	lb.	2.35	
6	seed (replant)	lb.	0.24	Replant not Roundup-Ready
28	seed cttn furrow 1st	lb.	1.35	
79	seed-pima cotton	lb.	0.55	
30	sunflower	lb.	1.11	

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Table 6. Other Durable Inputs

RECORD NUM	ITEM NAME	UNIT	FUEL TYPE	FUEL CONS RATE	R&M COST	LABOR TYPE	LABOR USE	FIXED COST /UNIT	FIXED COST /ACRE	COMMENT
7	Furrow Irr (TP)	ac-in	EL	73.8889	0.190	IL	0.0770	0.000	11.25	
8	Furrow Irr - St L	ac-in	EL	88.5556	0.228	IL	0.1250	0.000	8.00	
5	irrg- elec(ST L. SDI	ac-in	EL	88.5556	1.000	IL	0.0177	0.000	60.83	
4	irrigation NG	ac-in	NG	1.0000	2.030	IL	0.0640	0.000	33.60	

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Table 7. Operating Input Categories

RECORD	
NUM	ITEM NAME
2	CROP INSURANCE
5	CUSTOM
12	FERTILIZER
8	HARVEST
14	Harvest Chemical
3	HERBICIDES
4	INSECTICIDES
16	Irrigation Energy
10	IRRIGATION WATER
17	Labor
15	Miscellaneous
13	Preharvest Chemical
1	SEED



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Table 8. Products

RECORD		-----PRICES-----								
NUM	ITEM NAME	UNIT	BUDGET	CONTRACT	LOAN	FUTURES	HIGH	AVERAGE	LOW	COMMENT
7	Alfalfa	ton	130.00	130.00	0.00	0.00	140.00	130.00	100.00	
2	cotton lint	lb.	0.52	0.00	0.00	0.00	0.00	0.00	0.00	
1	cotton seed	lb	0.06	0.00	0.00	0.00	0.00	0.00	0.00	
4	lesquerella	lbs.	0.21	0.00	0.00	0.00	0.00	0.00	0.00	
5	pima cotton lint	lb.	0.82	0.00	0.00	0.00	0.00	0.00	0.00	
6	pima cotton seed	lb.	0.03	0.00	0.00	0.00	0.00	0.00	0.00	
3	sunflower	lb.	0.14	0.00	0.00	0.00	0.00	0.00	0.00	

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Table 9. Allocated Cost Items

RECORD NUM	ITEM NAME	CALC NUM	DOLLARS PER ACRE	% OF INCOME	% OF DIRECT EXPENSES	% OF TOTAL EXPENSES
4	cash rent - lesquere	1	40.00	0.00	0.00	0.00
3	cash rent - sunflowe	1	50.00	0.00	0.00	0.00
6	lease - drip cotton	1	50.00	0.00	0.00	0.00
5	lease - dryland cott	1	15.00	0.00	0.00	0.00
7	lease - furrow cotto	1	50.00	0.00	0.00	0.00
8	lease - pima cotton	1	100.00	0.00	0.00	0.00
10	Maint. Whl Trks	1	14.65	0.00	0.00	0.00
11	Perrenial Alf Crop	1	67.77	0.00	0.00	0.00
1	Prop. Tax Dry Land	1	15.00	0.00	0.00	0.00
2	Prop. Tax Irrigated	1	50.00	0.00	0.00	0.00
9	Trans-Pecos Irrig. L	1	40.00	0.00	0.00	0.00