

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

Table 1. Parameters

Diesel Fuel (DI) Price (\$/gal):	1.06
Electricity (EL) Price (\$/kWh):	0.00
Gasoline (GA) Price (\$/gal):	1.47
LP Gas (LP) Price (\$/gal):	0.00
Natural Gas (NG) Price (\$/Mcf):	0.00
Operator Labor (OL) Wage Rate . . (\$/hr):	8.31
Hand Labor (HL) Wage Rate (\$/hr):	6.91
Irrigation Labor (IL) Wage Rate . (\$/hr):	6.91
Owner Labor (WL) Wage Rate (\$/hr):	0.00
Short-term Interest Rate (%):	12.00
Intermediate-term Interest Rate . . . (%):	10.00
Comment at End of Table Titles : , For Planning Purposes Only	
Comment at End of Tables:	
Brand names are mentioned only as examples and imply no endorsement.	

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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
2	ATV - 4 Wheeler (CL)	10'	0.0400	GA	1.00	OL	1.00	6500.00	0.00	60.00	8.00	100.00
1	ATV - 4 Wheeler (SL)	10'	0.0200	GA	1.00	OL	1.00	6500.00	0.00	60.00	8.00	100.00
3	Combine-Corn	4-Row	0.2410	DI	5.70	OL	1.00	158400.00	0.00	80.00	10.00	250.00
4	Combine-Corn	8-Row	0.1210	DI	5.70	OL	1.00	174200.00	0.00	80.00	10.00	250.00
6	Combine-Sorghum	20'	0.1410	DI	5.70	OL	1.00	153800.00	0.00	80.00	10.00	250.00
7	Combine-Sorghum	25'	0.1130	DI	5.70	OL	1.00	155200.00	0.00	80.00	10.00	250.00
10	Combine-Soybeans	20'	0.1530	DI	5.70	OL	1.00	155800.00	0.00	80.00	10.00	250.00
11	Combine-Soybeans	25'	0.1220	DI	5.70	OL	1.00	157800.00	0.00	80.00	10.00	250.00
12	Combine-Wheat	20'	0.1220	DI	5.70	OL	1.00	153800.00	0.00	80.00	10.00	250.00
13	Combine-Wheat	25'	0.0980	DI	5.70	OL	1.00	155200.00	0.00	80.00	10.00	250.00
14	Cotton Picker-1st-BB	4-Row	0.1810	DI	9.00	OL	2.00	188100.00	0.00	80.00	10.00	200.00
15	Cotton Picker-1st-BB	5-Row	0.1830	DI	9.00	OL	2.00	208600.00	0.00	80.00	10.00	200.00
16	Cotton Picker-1st-Tr	2-Row	0.3830	DI	7.00	OL	2.00	134400.00	0.00	75.00	10.00	200.00
17	Cotton Picker-1st-Tr	4-Row	0.1920	DI	9.00	OL	2.00	188100.00	0.00	80.00	10.00	200.00
18	Cotton Picker-2nd-Tr	2-Row	0.3050	DI	7.00	OL	2.00	134400.00	0.00	75.00	10.00	200.00
19	Cotton Picker-2nd-Tr	4-Row	0.1520	DI	9.00	OL	2.00	188100.00	0.00	80.00	10.00	200.00
20	Cotton Picker-2nd-Tr	5-Row	0.1540	DI	9.00	OL	2.00	208600.00	0.00	80.00	10.00	200.00
27	Fork Lift		1.0000	GA	1.50	OL	1.00	21000.00	0.00	50.00	20.00	350.00
21	Hi-Clear Sprayer	40'	0.0490	DI	2.00	OL	1.00	49600.00	0.00	80.00	8.00	350.00
22	Hi-Clear Sprayer	60'	0.0330	DI	2.00	OL	1.00	57000.00	0.00	80.00	8.00	350.00
24	Tractor - Sprig	75 hp	0.4000	DI	3.86	OL	1.00	31000.00	0.00	75.00	14.00	600.00
28	Truck	1/2 ton	1.0000	GA	2.50	OL	1.00	13000.00	0.00	50.00	800.00	45.00
29	Truck	2 ton	1.0000	GA	3.70	OL	1.00	31000.00	0.00	50.00	19.00	400.00
30	xxxx		0.0000	DI	0.00	OL	0.00	0.00	0.00	0.00	1.00	1.00
5	xxxxx		0.0000		0.00		0.00	0.00	0.00	0.00	1.00	1.00

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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
17	High Clear Tractor	75 hp	DI	4.90	OL	1.00	33100.00	0.0	75.00	16.00	300.00
18	Rio Farms Tractor	160	DI	8.75	OL	1.00	85500.00	15000.0	60.00	15.00	600.00
14	Track-Driven Tractor	200 hp	DI	1.00	OL	1.00	0.00	0.0	1.00	1.00	1.00
15	Track-Driven Tractor	260 hp	DI	1.00	OL	1.00	0.00	0.0	1.00	1.00	1.00
16	Track-Driven Tractor	280 hp	DI	1.00	OL	1.00	0.00	0.0	1.00	1.00	1.00
1	Tractor 40-59 hp	50 hp	DI	2.57	OL	1.00	21700.00	0.0	75.00	14.00	600.00
2	Tractor 60-89 hp	75 hp	DI	3.86	OL	1.00	31000.00	0.0	75.00	14.00	600.00
3	Tractor 90-119 hp	105 hp	DI	5.40	OL	1.00	50200.00	20.0	60.00	14.00	156.00
4	Tractor 120-139 hp	130 hp	DI	6.69	OL	1.00	67200.00	20.0	60.00	14.00	338.00
5	Tractor 140-159 hp	150 hp	DI	7.72	OL	1.00	74300.00	0.0	60.00	14.00	600.00
6	Tractor 160-179 hp	170 hp	DI	8.75	OL	1.00	79400.00	0.0	60.00	14.00	600.00
7	Tractor 180-199 hp	190 hp	DI	9.78	OL	1.00	88000.00	0.0	60.00	14.00	600.00
8	Tractor 200-219 hp	210 hp	DI	10.80	OL	1.00	97800.00	0.0	50.00	14.00	600.00
9	Tractor 220-229	225 hp	DI	11.58	OL	1.00	117600.00	0.0	50.00	14.00	600.00
10	xxxxx		DI	1.00	OL	1.00	0.00	0.0	1.00	1.00	1.00
11	xxxxx		DI	1.00	OL	1.00	0.00	0.0	1.00	1.00	1.00
12	xxxxx		DI	1.00	OL	1.00	0.00	0.0	1.00	1.00	1.00
13	xxxxx		DI	1.00	OL	1.00	0.00	0.0	1.00	1.00	1.00

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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
255	80" Row Disk	3R-80	0.0940	5	1.00	1.00		0.00	9490.00	0.20	80.00	8.00	160.00
45	Bed Shaper - Melons	3R-80	0.4700	1	1.00	1.00	OL	0.00	430.00	0.00	70.00	12.00	150.00
1	Boll Buggy	4 bale	0.2200	4	1.00	1.00		0.00	17340.00	0.00	50.00	10.00	200.00
4	Chisel Plow	12'	0.1560	3	1.00	1.00		0.00	4900.00	0.00	70.00	12.00	150.00
5	Chisel Plow	16'	0.1170	4	1.00	1.00		0.00	6120.00	0.00	70.00	12.00	150.00
7	Chisel Plow	32'	0.0590	8	1.00	1.00		0.00	9790.00	0.00	70.00	12.00	150.00
206	Corn Grain Cart	500 bu	0.2410	7	1.00	1.00		0.00	11420.00	0.00	80.00	12.00	200.00
17	Cult & Post (Early)	6R-40	0.1330	4	1.00	1.00	HL	0.50	11080.00	0.00	80.00	12.00	200.00
19	Cult & Post (Early)	8R-40	0.1000	5	1.00	1.00	HL	0.50	15750.00	0.00	80.00	12.00	200.00
20	Cult & Post (Early)	10R-30	0.1060	7	1.00	1.00	HL	0.50	14940.00	0.00	80.00	12.00	200.00
24	Cult & Post (Late)	6R-40	0.0890	5	1.00	1.00	HL	0.50	11080.00	0.00	80.00	12.00	200.00
26	Cult & Post (Late)	8R-40	0.0670	6	1.00	1.00	HL	0.50	15750.00	0.00	80.00	12.00	200.00
27	Cult & Post (Late)	10R-30	0.0710	7	1.00	1.00	HL	0.50	14940.00	0.00	80.00	12.00	200.00
211	Cult middle/lift bed	8R-40	0.0340	3	1.00	1.00		0.00	12240.00	0.00	80.00	12.00	34.00
33	Cultivate (Early)	3R-80	0.1270	5	1.00	1.00		0.00	8770.00	0.00	80.00	12.00	200.00
35	Cultivate (Early)	8R-40	0.0950	6	1.00	1.00		0.00	12240.00	0.00	80.00	12.00	200.00
36	Cultivate (Early)	10R-30	0.1010	7	1.00	1.00		0.00	11220.00	0.00	80.00	12.00	200.00
40	Cultivate (Late)	3R-80	0.0850	5	1.00	1.00		0.00	8770.00	0.00	80.00	12.00	200.00
42	Cultivate (Late)	8R-40	0.0640	6	1.00	1.00		0.00	12240.00	0.00	80.00	12.00	200.00
43	Cultivate (Late)	10R-30	0.0680	7	1.00	1.00		0.00	11220.00	0.00	80.00	12.00	200.00
60	Cyclone Spin	600 lb	0.2000	1	1.00	1.00	OL	0.00	600.00	0.00	30.00	8.00	50.00
67	Disk Bed (Hipper)	6R-40	0.0940	6	1.00	1.00		0.00	7140.00	0.00	80.00	8.00	160.00
69	Disk Bed (Hipper)	8R-40	0.0700	7	1.00	1.00		0.00	9490.00	0.00	80.00	8.00	160.00
70	Disk Bed (Hipper)	10R-30	0.0750	8	1.00	1.00		0.00	9790.00	0.00	80.00	8.00	160.00
76	Ditcher	standard	0.0200	4	1.00	1.00		0.00	2330.00	0.00	60.00	10.00	40.00
85	Fert Appl (Liquid)	3R-80	0.0980	5	1.00	1.00	HL	0.50	10810.00	0.00	50.00	8.00	150.00
87	Fert Appl (Liquid)	8R-40	0.0740	6	1.00	1.00	HL	0.50	11120.00	0.00	50.00	8.00	55.50
88	Fert Appl (Liquid)	10R-30	0.0790	7	1.00	1.00	HL	0.50	11420.00	0.00	50.00	8.00	150.00
261	Fert Appl (Liquid)	6R-40	0.0980	5	1.00	1.00	HL	0.50	10810.00	10.00	50.00	8.00	150.00
101	Field Cultivate	12'	0.1200	5	1.00	1.00		0.00	5920.00	0.00	65.00	10.00	100.00
102	Field Cultivate	24'	0.0600	6	1.00	1.00		0.00	12750.00	0.00	65.00	10.00	100.00
103	Field Cultivate	32'	0.0450	7	1.00	1.00		0.00	14280.00	0.00	65.00	10.00	100.00
106	Grain Drill	12'	0.1560	4	1.00	1.00	HL	1.00	10200.00	0.00	70.00	10.00	100.00
107	Grain Drill	20'	0.0940	5	1.00	1.00	HL	1.00	20910.00	0.00	70.00	10.00	100.00
108	Grain Drill	30'	0.0630	7	1.00	1.00	HL	1.00	32130.00	0.00	70.00	10.00	100.00
226	Hay Baler	Conv	0.2700	1	1.00	1.00		0.00	12915.00	0.00	80.00	8.00	200.00
227	Hay Baler	Lg Round	0.2200	3	1.00	1.00		0.00	17657.00	0.00	80.00	8.00	200.00
228	Hay Baler	Med Round	0.3300	2	1.00	1.00		0.00	14961.00	0.00	80.00	8.00	200.00
229	Hay Baler	Sm Round	0.0000	1	1.00	1.00		0.00	0.00	0.00	80.00	8.00	200.00
232	Hay Cut - Cond	12 Ft	0.3000	3	1.00	1.00		0.00	18375.00	0.00	100.00	8.00	200.00
230	Hay Cut - Cond	7 Ft	0.2900	1	1.00	1.00		0.00	0.00	0.00	100.00	8.00	200.00
231	Hay Cut - Cond	9 Ft	0.2300	1	1.00	1.00		0.00	12714.00	0.00	100.00	8.00	200.00
233	Hay Disc Mower	8 Ft	0.2600	2	1.00	1.00		0.00	6018.00	0.00	100.00	8.00	200.00
225	Hay Loader	Pop-Up	0.4000	1	1.00	1.00		0.00	0.00	0.00	80.00	10.00	200.00
235	Hay Mover	1 Bale Lft	0.3000	1	1.00	1.00		0.00	305.00	0.00	50.00	10.00	200.00
236	Hay Mover	2 Bale Lft	0.1501	1	1.00	1.00		0.00	1826.00	0.00	10.00	15.00	200.00
237	Hay Mower	6 Ft	0.5000	1	1.00	1.00		0.00	0.00	0.00	100.00	8.00	200.00
238	Hay Rake	8.5 Ft	0.2900	1	1.00	1.00		0.00	2220.00	0.00	80.00	8.00	200.00

*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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239	Hay Rake - Double	17 Ft	0.1500	2	1.00	1.00		0.00	2621.00	0.00	80.00	8.00	200.00
240	Hay Tedder	17 Ft	0.0600	3	1.00	1.00		0.00	3661.00	0.00	80.00	8.00	200.00
241	Hay Trailer	20 Ft	0.0900	2	1.00	1.00		0.00	2733.00	0.00	80.00	15.00	200.00
109	Heavy Disk	14'	0.1670	5	1.00	1.00		0.00	13260.00	0.00	80.00	10.00	180.00
110	Heavy Disk	21'	0.1120	6	1.00	1.00		0.00	17850.00	0.00	80.00	10.00	180.00
205	Lilliston Cultivator	8R-40	0.0950	5	1.00	1.00		0.00	10000.00	10.00	80.00	15.00	80.00
258	Lister Bedder	3R-80	0.0900	1	0.00	0.00		0.00	7140.00	10.00	80.00	8.00	160.00
207	Lister Bedder	8R-40	0.0700	7	1.00	1.00		0.00	9490.00	10.00	50.00	10.00	160.00
242	Manure Spreader	130	0.3000	2	1.00	1.00		0.00	0.00	0.00	100.00	12.00	150.00
124	Module Builder	32'	0.2200	4	1.00	1.00	HL	1.00	19890.00	0.00	50.00	10.00	110.00
95	Moldboard Plow	3 bottom	0.4000	1	1.00	1.00	OL	0.00	0.00	0.00	80.00	15.00	120.00
209	Moldboard Plow	4 bottom	0.3750	7	1.00	1.00	HL	1.00	5000.00	5.00	70.00	12.00	150.00
127	No-Till Grain Drill	12'	0.1950	4	1.00	1.00	HL	1.00	22950.00	0.00	70.00	10.00	100.00
128	No-Till Grain Drill	20'	0.1170	6	1.00	1.00	HL	1.00	33150.00	0.00	70.00	10.00	100.00
134	No-Till Plant	8R-40	0.0880	6	1.00	1.00	HL	1.00	33410.00	0.00	70.00	12.00	150.00
135	No-Till Plant	10R-30	0.0940	7	1.00	1.00	HL	1.00	39980.00	0.00	70.00	12.00	150.00
140	No-Till Plant & Pre	8R-40	0.0920	6	1.00	1.00	HL	1.00	36530.00	0.00	70.00	12.00	150.00
141	No-Till Plant & Pre	10R-30	0.0980	7	1.00	1.00	HL	1.00	43200.00	0.00	70.00	12.00	150.00
150	Plant	8R-40	0.0700	6	1.00	1.00	HL	1.00	24230.00	0.00	70.00	12.00	150.00
151	Plant	10R-30	0.0750	7	1.00	1.00	HL	1.00	26520.00	0.00	70.00	12.00	150.00
160	Plant & Pre	8R-40	0.0740	6	1.00	1.00	HL	1.00	27350.00	0.00	70.00	12.00	74.00
161	Plant & Pre	10R-30	0.0790	7	1.00	1.00	HL	1.00	29730.00	0.00	70.00	12.00	150.00
262	Plant & Pre	3R-80	0.1000	1	1.00	1.00	HL	1.00	20000.00	0.10	70.00	12.00	150.00
257	Planter, Stanhay	6R-40	0.2350	1	0.00	0.00	HL	0.00	10000.00	10.00	0.77	10.00	50.00
256	Pmlch/Driptape Layer	3R-80	0.1100	4	1.00	1.00	HL	3.00	10350.00	10.00	70.00	15.00	120.00
234	PTO water well pump	irrigation	**.****	1	1.00	1.00	IL	0.00	0.00	0.00	0.00	0.00	0.00
165	Roll-Out Pipe Spool	1 roll	0.0100	4	1.00	1.00	HL	2.00	2630.00	0.00	10.00	12.00	15.00
210	Roller Stalk Chopper	8-row	0.0400	4	1.00	1.00		0.00	5000.00	0.00	70.00	10.00	40.00
187	Spin Spreader	4 ton	0.1000	5	1.00	1.00	HL	1.00	7140.00	0.00	80.00	8.00	100.00
188	Spray (Band)	27'	0.0610	5	1.00	1.00	HL	0.50	3630.00	0.00	100.00	8.00	200.00
189	Spray (Band)	42'	0.0390	6	1.00	1.00	HL	0.50	4020.00	0.00	100.00	8.00	200.00
190	Spray (Band)	60'	0.0270	6	1.00	1.00	HL	0.50	4770.00	0.00	100.00	8.00	200.00
191	Spray (Broadcast)	27'	0.0610	5	1.00	1.00	HL	0.50	3630.00	0.00	100.00	8.00	200.00
192	Spray (Broadcast)	42'	0.0390	6	1.00	1.00	HL	0.50	4010.00	0.00	100.00	8.00	200.00
193	Spray (Broadcast)	60'	0.0270	6	1.00	1.00	HL	0.50	4770.00	0.00	100.00	8.00	200.00
3	Spray (Hooded)	6-Row	0.1330	4	1.00	1.00	HL	0.50	7309.00	0.00	85.00	12.00	200.00
8	Spray (Hooded)	8-Row	0.1000	5	1.00	1.00	HL	0.50	8916.00	0.00	85.00	12.00	200.00
11	Spray (Layby)	10-Row	0.0540	7	1.00	1.00	HL	0.50	4062.00	0.00	75.00	12.00	200.00
12	Spray (Layby)	12-Row	0.0500	8	1.00	1.00	HL	0.50	4898.00	0.00	75.00	12.00	200.00
9	Spray (Layby)	6-Row	0.0890	4	1.00	1.00	HL	0.50	2362.00	0.00	75.00	12.00	200.00
10	Spray (Layby)	8-Row	0.0670	5	1.00	1.00	HL	0.50	2883.00	0.00	75.00	12.00	200.00
194	Spray (Spot)	27'	0.0610	5	1.00	1.00	HL	0.50	3630.00	0.00	100.00	8.00	200.00
195	Spray (Spot)	42'	0.0390	6	1.00	1.00	HL	0.50	4020.00	0.00	100.00	8.00	200.00
196	Spray (Spot)	60'	0.0270	6	1.00	1.00	HL	0.50	4770.00	0.00	100.00	8.00	200.00
217	Spray-TR Mount-3Pt	21 Ft	0.0780	2	1.00	1.00	OL	0.00	1590.00	0.00	80.00	8.00	200.00
200	Stalk Shredder	12'	0.1420	5	1.00	1.00		0.00	7960.00	0.00	40.00	10.00	185.00
202	Subsoiler	3 shank	0.1880	6	1.00	1.00		0.00	3110.00	0.00	100.00	15.00	100.00
203	Subsoiler	5 shank	0.1130	7	1.00	1.00		0.00	5610.00	0.00	100.00	15.00	100.00
204	Subsoiler	7 shank	0.0800	8	1.00	1.00		0.00	7650.00	0.00	100.00	15.00	100.00
219	Trailer - Vegetables		0.0900	2	1.00	1.00	OL	0.00	1810.00	0.00	80.00	15.00	200.00
221	Trailer - Water	10 Ft	0.6000	1	1.00	1.00		0.00	3600.00	0.00	40.00	10.00	150.00
259	Vege. Transplanter	1 row	0.0500	1	1.00	1.00	OL	1.00	2600.00	10.00	80.00	10.00	100.00

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Table 5. Operating Inputs

RECORD NUM	ITEM NAME	UNIT	PRICE	COST YIELD?	COMMENT
ADJUVANT					
360	Surfactant	pt	0.88	N	surfactant for orchard miticide
CUSTOM CANE OPS					
354	Rake and burn	acre	10.00	N	post harvest operation in sugar cane
423	seed covering	acre	6.00	N	
421	seed cutting	ton	5.84	N	
422	seed transport/distr	acre	125.00	N	
CUSTOM FERTILIZE					
8	App Fert by Air	appl	3.75	N	
12	Apply Liquid Fert	acre	2.50	N	delta corn 32% use company applicator
374	Apply N32 from Co-op	ton	165.00	N	\$10 extra/ton for co-op's rig
CUSTOM HORT SERVICES					
456	Order seedlings	order	0.00		
CUSTOM HARVEST/HAUL					
424	Burn, Harvest & Haul	tons	0.00	N	Custom Sugar Mill Operation
358	Custom Harvest Corn	bu	0.22	Y	based on Weslaco MM focus group
356	Harvest/Haul Sorghum	cwt	0.60	Y	based on Weslaco MM focus group
217	Haul Corn	bu	0.11	Y	based on Weslaco MM focus group
218	Haul Cotton	lb	0.02	Y	
220	Haul Sorghum	cwt	0.25	Y	
CUSTOM HORT. HARVEST					
444	Drying Onions	bag	0.30	Y	
448	Harvest Cabbage	crtn	1.10	Y	
458	Harvest Cantaloupe	crtn	1.25	Y	old harvest rates
461	Harvest Honeydews	crtn	1.00	Y	old rates
442	Harvest Onions	bag	1.50	Y	
466	Harvest/Sell Wtrmlns	cwt	3.00	Y	old rates
449	Pack & Count Cabbage	crtn	1.90	Y	
459	Pack & Count Cantal.	crtn	2.30	Y	old rates
462	Pack & Count Honeyd.	crtn	2.00	Y	old rates
443	Pack & Count Onions	bag	1.45	Y	
450	Pick/Pack/Ship	crtn	0.00	Y	NO COST; citrus prices are net of PPS
445	Sale Consign. Onions	bag	0.40	Y	
447	Sales Consign. Cabb	crtn	0.40	Y	
460	Sales Consign. Canta	crtn	0.50	Y	old rates
463	Sales Consign. Hnydw	crtn	0.40	Y	old rates
CUSTOM ORCHARD OPS.					
373	Custom Fert. Citrus	acre	4.00	N	
347	Custom Orchard Spray	acre	35.00	N	
110	Hedging or Topping	acre	60.00	N	half an row per year
361	Land prep and level	acre	150.00	N	
363	Layout/Plant	tree	1.25	Y	140 grapefruit trees per acre
372	Tree Replacement	tree	8.00	N	
364	Tree Wrap/Unwrap	tree	1.00	N	140 grapefruit trees per acre
362	Young citrus trees	tree	4.00	N	plant at 140 per acre for grapefruit
CUSTOM SPRAY					
1	App by Air (1 gal)	appl	2.00	N	
2	App by Air (2 gal)	appl	2.20	N	
3	App by Air (3 gal)	appl	2.60	N	
4	App by Air (5 gal)	appl	3.25	N	
5	App by Air (10 gal)	appl	5.10	N	
FERTILIZER					
35	Amm Nitrate (34% N)	cwt	10.17	N	
36	Amm Sulfate (21% N)	cwt	11.11	N	21-0-0-24
37	Anhy Ammonia (82% N)	cwt	12.39	N	
38	Boron (Solubor)	lb	0.67	N	
39	Calcium Nitrate	cwt	14.08	N	18-46-0
42	Fert 0-20-20	cwt	12.11	N	
238	Fert 10-34-0	cwt	12.22	N	
44	Fert 13-13-13	cwt	14.62	N	
355	Fert 25-10-0	tons	272.22	N	
47	Fert 5-20-20	cwt	14.07	N	
435	Foligro	qt	17.38	N	cost from SP company
54	Phosphorus (46% P2O5)	cwt	13.86	N	
55	Potash (60% K2O)	cwt	9.28	N	
56	Sulfur	lb	0.44	N	
57	UAN (32% N)	cwt	7.78	N	
60	Urea, Solid (46% N)	cwt	15.99	N	
FUNGICIDE					
321	Apron XL	oz	9.04		
344	Benlate	lb	17.00	N	

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62	Benlate 50 WP	lb	16.57	N	50%
441	Bravo Ultrex	qt	12.50	N	cost from SP
63	Captan 50 WP	lb	2.78	N	50%
293	Captan 80 WP	lb	2.35		
343	Copper	lb	2.35	N	
64	Delta Coat AD	oz	3.38	N	
59	Dithane DF	lb	2.77		
65	Dithane F-45	qt	3.65	N	80%
439	Dithane F-45	qt	3.54	N	cost from SP
66	Fungicide	lb	2.04	N	terrachlor super x G
67	Manzate 200 DF	lb	3.42	N	80%
75	Moncut 50 WP	lb	25.13		
68	Orbit EC	oz	2.96	N	
69	Prevail	lb	20.13	N	Apron-Terrachlor
329	Quadris	oz	2.29		
71	Ridomil 2E	oz	1.29	N	2 lbs/gal
440	Ridomil Gold	oz	5.10	N	cost from SP
410	Ridomil MZ72	lb	9.57	N	
70	Ridomil PC 11G	lb	1.70	N	11%
316	Rovral 4f	pt	20.35		
90	Rovral R	pt	19.56		
95	Rovral WG	lb	20.80		
74	Terraclor 2EC	pt	2.18	N	
72	Terraclor Super X EC	pt	3.37	N	10 + 2.5%
73	Terraclor Super X G	lb	2.04	N	18.8 G
76	Tilt EC	oz	2.42	N	3.6 lbs/gal
51	Vitavax 200	oz	0.35		
52	Vitavax M	oz	0.13		
53	Vitavax RTU-Thiram	oz	0.30		
328	Vitavax T-L	oz	0.28		
GROWTH REGULATOR					
309	Early Harvest PGR	oz	1.51		
234	PGR IV	oz	1.50	N	
235	Pix	oz	0.76	N	.35lbs/gal
HARVEST AID					
148	Accelerate	pt	2.91		
26	Ammonium Sulfate	lb	0.22	N	21-0-0-24
325	Boll'd	pt	6.50		
326	CottonQuik	pt	3.74		
27	Def 6	pt	5.28	N	6#/gal
330	Def/Folex 6	pt	5.34		
28	Dropp 50 WP	lb	54.87	N	
327	Finish	pt	6.80		
29	Folex	pt	5.34	N	6#/gal
30	Gramoxone Extra	pt	4.49	N	2.5/gal
31	Harvade 5F	oz	0.61	N	
32	Prep	pt	6.46	N	6#/gal
33	Sodium Chlorate 3L	gal	2.21	N	3.4#/gal
318	Solium Chlorate 6L	gal	4.29		
34	Starfire	pt	4.15	N	1.5 lbs/gal
HERBICIDE					
172	2,4-D Amine	pt	1.40	N	3.8 lbs/gal
308	2,4-D Ester	pt	1.75		
78	AAtrex 4L	pt	1.55	N	
82	Atrazine 4L	pt	1.40	N	updated price from Weslaco MM focus gr.
83	Banvel	pt	10.31	N	4 lbs/gal
86	Bicep 6L	qt	8.31	N	dual + atrazine
87	Bladex 4L	qt	6.83	N	4 lbs/gal
437	Dacthal W75	lb	10.00	N	costs from Terra Chemical circa 2000
114	Dual 8E	pt	7.88	N	8 lbs/gal
438	Dual Magnum	pt	11.85	N	cost from Terra, circa 2000
118	Fusilade DX	oz	0.92	N	2 lb/gal
436	Goal 2XL	gal	105.00	N	based on cost info from SP
120	Gramoxone Extra	pt	4.41	N	2.5 lbs/gal
122	Harmony Extra	oz	12.54	N	75%
346	Krovar I 80 DF	lb	11.00	N	This system applies more in Hidalgo Co.
128	Lasso 4E	qt	5.53	N	4 lbs/gal
139	Poast Plus	pt	6.05	N	1 lb/gal
434	Prefar 4E	qt	10.00	N	rate based on crop profile; price via SP
143	Prowl 3.3 EC	pt	3.16	N	4 lbs/gal
359	Roundup	gal	36.50	N	go to hell
243	Roundup Ultra 4SL	pt	4.56		
467	Simizine 90DF	gallon	2.80		
300	Staple	oz	20.85		
160	Surfactant	pt	0.88	N	
302	Treflan 5	pt	3.99		
163	Treflan EC	pt	3.13	N	4 lbs/gal

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303	Trifluralin 4EC	pt	2.48		
171	Zorial Rapid 80	lb	13.69	N	80%
HIRED LABOR CREW					
429	Pickup plastic	hour	3.43	N	25 folks, 6.85/manhour, 80" rows, 50 ac.
452	Transplant melons	hour	3.43		25 folks, 6.85/manhour, 80" rows, 50 ac.
HORT. SUPPLIES					
409	Bee Rental	hive	75.00	N	based on Merritt's figures
408	Plastic Mulch, 3x4K'	roll	60.00	N	1 ml black, 3'x4000' roll, vol. discount
INSECTICIDE/MITICIDE					
177	Ammo 2.5 EC	oz	1.70	N	2.5 lbs/gal
464	Admire	gal	550.00	N	melons: 16 oz per acre, once via drip
352	Agri-Mek	gal	650.00	N	
244	Ambush 25W	oz	0.00	N	
176	Ambush 2E	oz	0.00	N	2 lbs/gal
178	Asana XL	oz	0.96	N	.66 lbs/gal
192	Azinphos Methyl 50WP	lb	8.03	N	
179	Baythroid 2	oz	3.57	N	2 lbs/gal
180	Bidrin 8L	oz	0.66	N	8 lbs/gal
182	Capture 2EC	oz	0.00	N	2 lbs/gal
332	Citrus Oil	gal	2.50	N	
246	Comite	pt	0.00	N	
247	Comite II	pt	0.00	N	
248	Condor XL	pt	0.00	N	
249	Confirm 2F	oz	0.00	N	
306	Defoaming Agent	oz	0.87	N	
190	Di-Syston 15G	lb	1.57	N	15%
191	Di-Syston 8	pt	8.23	N	
254	Dimethoate 4E	pt	3.96	N	
256	Dimilin 25W	oz	0.00	N	
188	Dimilin 2L	oz	0.00	N	2 lbs/gal
257	Dipel 4L	pt	3.65	N	
189	Dipel ES	pt	3.13	N	biological
258	Endosulfan	oz	0.00	N	
240	Furadan 3G	lb	0.80	N	
193	Furadan 4F	pt	8.38	N	
194	Fury 1.5 EC	oz	1.90	N	1.5 #/gal
195	Guthion 2L	pt	3.84	N	2 lbs/gal
196	Javelin WG	lb	0.00	N	
197	Karate	oz	2.03	N	1 lb/gal
262	Lannate 1.8E	pt	0.00	N	
199	Larvin 3.2	oz	0.43	N	3.2 lbs/gal
341	Lorsban	gal	48.92	N	
200	Lorsban 15G	lb	1.77	N	
201	Lorsban 4E	pt	6.12	N	4 lbs/gal
F					
350	Lorsban 4E	pt	5.57	N	applied for scales on citrus
INSECTICIDE/MITICIDE					
242	Malathion	pt	3.07	N	
202	Methyl 4EC	pt	3.50	N	4 lbs/gal
351	Oil	gal	2.50	N	used against various pests
205	Orthene 90S	lb	9.41	N	90%
271	Provado 1.6F	oz	3.35	N	
209	Scout X-TRA	oz	1.97	N	.9 lbs/gal
337	Temik (to citrus)	lb	3.25	N	
212	Temik 15G	lb	3.86	N	
213	Thimet 20-G	lb	2.06	N	
214	Thiodan 3 EC	qt	9.09	N	3 lbs/gal
169	Tracer	oz	5.66	N	
338	Vendex	lb	23.00	N	
340	Vydate	gal	60.00	N	
216	Vydate C-LV	oz	0.47	N	2 lbs/gal
INSURANCE					
333	Established Grapefrt	acre	115.00	N	
451	Established Oranges	acre	85.00	N	
367	Grapefruit, Year 1	acre	40.00	N	
368	Grapefruit, Year 2	acre	70.00	N	
369	Grapefruit, Year 3	acre	92.00	N	
370	Grapefruit, Year 4	acre	104.00	N	
433	MPCI: Dry. Cotton	acre	10.00	N	based on Weslaco MM focus group
431	MPCI: Irr. Cotton	acre	12.00	N	based on Weslaco MM focus group
430	MPCI: Irr. Corn	acre	5.00	N	based on Weslaco MM focus group
432	MPCI: Irr. Sorghum	acre	5.00	Y	based on Weslaco MM focus group
IRRIGATION SUPPLIES					
334	Irrigation Water	ac-ft	16.23	N	Based on Cameron/Hidalgo Irr. District 9
231	Lay Flat Pipe	ft	0.18	N	15", 10 mil
375	DripTape (2 seasons)	feet	0.00	N	6,550' per acre for 80" rows; used twice
411	Irrigation, Well H2O	inch	0.00	N	fixed cost is trailer durable input

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457	sulfuric acid	oz	0.01	N	
ORCHARD SUPPLIES					
365	Tree Wraps	tree	1.00	N	
PROCESSING					
16	Dry Corn	bu	0.19	Y	
17	Dry Grain Sorghum	cwt	0.25	Y	
20	Gin	lb	0.08	Y	
SEED/PLANTS					
223	Bt Cotton Seed	lb	1.08	N	
378	Cabbage Seed	lb	135.00	Y	
453	Cantaloupe Seedlings	thou	33.50		Speedling prices, for >100K volume
376	Cantaloupe Seeds	lb	130.00	N	
377	Carrot Seed	acre	115.00	N	
224	Corn Seed	thous	1.00	N	
225	Cotton Seed	lb	0.90	N	based on Weslaco MM focus group
272	Cotton Seed RR	lb	1.07		
226	Grain Sorghum Seed	lb	1.04	N	
379	Honeydew Seed	lb	60.00	N	
454	Honeydew Seedlings	thou	33.50		Speedling prices, assuming >100K volume
455	Hybrid Wtrmelon seed	lb	145.00		via Jim Moran; 0.18 lbs/ac for seedlings
380	Onion Seed	unit	100.00	N	based on higher end hybrid seed cost
418	seed cane	ton	24.00	N	
382	Watermelon Seed, OP	lb	10.00	N	
385	Watermelon Seedlings	thou	61.50	N	Speedling prices with 100K vol. discount
SERVICE FEE					
21	Insect Scouting	acre	6.00	N	
TECHNOLOGY FEE					
230	Bt Cotton Fee	acre	32.00	N	

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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
36	Amortized Land Prep.	acre		0.0000	0.000		0.0000	2.110	2.11	Combo. of Land Leveling & Tile Drainage
29	Ctr Pivot Pump	acre		0.0000	0.000		0.0000	5.530	5.53	quarter mile center pivot, 10Y@8%
28	Ctr Pivot Pump Motor	acre	DI	0.0000	0.000		0.0000	6.110	6.11	10Y@8%, for ctr pivot - for 300 ac
1	Ctr Pivot, .25 mi	inch	DI	1.8890	1.870	IL	0.0360	0.000	45.42	1/4 mi Center Pivot, 0.75" appl, 135 ac
30	Ctr Pivot, .25 mile	acre	EL	0.0000	0.000		0.0000	13.100	13.10	\$40K+\$5Kmisc., 10Y@8% 0.25 Mile, 125 ac
2	Ctr Pivot, .5 mi	inch	DI	2.2840	1.190	IL	0.0100	0.000	24.66	1/2 mi Center Pivot, 0.75" appl, 530 ac
33	Drip Pump & motor	acre	DI	6.6800	2.610		0.0000	13.150	13.15	10Y@10%, to supply 300 ac, 9" water
32	Drip Trailer System	hour	DI	1.2000	0.050	IL	0.0020	1.210	1.21	\$550/ac@15Y@10%; 7hr/a"; 30 a"/yr; 40 ac
20	Gate Valves	each		0.0000	5.000	IL	1.0000	17.500	0.00	\$175.00 each; 10 yr life
12	Labor (Flood)	hour		0.0000	0.000	IL	1.0000	0.000	0.00	Flood citrus fields
16	Labor (Irr. Setup)	hour		0.0000	0.000	IL	1.0000	0.000	0.00	Set up roll-out pipe
18	Labor (Weed Control)	hour		0.0000	0.000	HL	1.0000	0.000	0.00	Hand weed control
19	Land Forming	acre		0.0000	0.000		0.0000	17.000	0.00	300 cu yd @ \$.65/yd for 25 yrs @ 9.43%
35	Land Leveling	acre		0.0000	0.000		0.0000	0.850	0.85	\$325/acre over 10Y@9%; from Hiler Farm
21	Permanent Valve Irr.	acre		0.0000	0.000		0.0000	45.000	45.00	15 Year recovery at 9%
34	Tile Drainage System	acre		0.0000	0.000		0.0000	1.260	1.26	\$425/acre over 10Y@9%, from Hiler Farm
23	Universal Hydrant	each		0.0000	5.000	IL	1.0000	11.400	0.00	For polypipe fitting, 30 Year Life, \$342
31	Well, 300 feet	acre		0.0000	0.000		0.0000	21.910	21.91	\$50K for 15Y@10%, divided by 300 acres
24	Year 1 Est. Costs	acre		0.0000	0.000		0.0000	209.040	209.04	\$1,685 per acre at 9% over 15 years

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Table 7. Operating Input Categories

RECORD	
NUM	ITEM NAME
13	ADJUVANT
36	CUSTOM CANE OPS
18	CUSTOM FERTILIZE
17	CUSTOM HARVEST/HAUL
35	CUSTOM HORT SERVICES
33	CUSTOM HORT. HARVEST
26	CUSTOM ORCHARD OPS.
22	CUSTOM SOIL APPL.
1	CUSTOM SPRAY
4	FERTILIZER
5	FUNGICIDE
11	GROWTH REGULATOR
2	HARVEST AID
6	HERBICIDE
31	HIRED LABOR CREW
29	HORT. SUPPLIES
7	INSECTICIDE/MITICIDE
24	INSURANCE
8	IRRIGATION SUPPLIES
27	ORCHARD SUPPLIES
3	PROCESSING
9	SEED/PLANTS
12	SERVICE FEE
10	TECHNOLOGY FEE

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Table 8. Products

RECORD NUM	ITEM NAME	UNIT	-----PRICES-----							COMMENT
			BUDGET	CONTRACT	LOAN	FUTURES	HIGH	AVERAGE	LOW	
14	Cabbage	crtn	5.45	0.00	0.00	0.00	0.00	0.00	0.00	1996-00 TX avg. price per 40 lb. carton
15	Cantaloupes	crtn	9.77	0.00	0.00	0.00	0.00	0.00	0.00	1996-00 avg. TX price per 40# crtn
18	Carrots	bags	7.25	0.00	0.00	0.00	0.00	0.00	0.00	
23	Corn	bu	2.55	0.00	0.00	0.00	0.00	0.00	0.00	
20	Cotton Lint	lb	0.52	0.00	0.00	0.00	0.00	0.00	0.00	Projected loan price for 2002
22	Cotton Seed	ton	80.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	Grapefruit (Rio Red)	tons	88.88	0.00	0.00	0.00	0.00	0.00	0.00	price is net to Grower, 5Y industry avg.
8	Grapefruit for fresh	ton	152.50	0.00	0.00	0.00	0.00	0.00	0.00	NASS, 7Y avg. price for fresh
10	Grapefruit for juice	ton	34.29	0.00	0.00	0.00	0.00	0.00	0.00	NASS 7Y avg. for processed
16	Honeydews	crtn	7.54	0.00	0.00	0.00	0.00	0.00	0.00	1996-00 TX avg. price per 28# carton
13	Onions, Yellow	sack	8.29	0.00	0.00	0.00	0.00	0.00	0.00	1996-00 TX avg. price per 50# sack
25	Oranges (Valencias)	Tons	130.00	0.00	0.00	0.00	0.00	0.00	0.00	Net price to the grower; 5Y industry avg
26	Oranges for juice	tons	66.59	0.00	0.00	0.00	0.00	0.00	0.00	
24	Oranges, Navel	tons	151.97	0.00	0.00	0.00	0.00	0.00	0.00	Net price to the grower; 5Y industry avg
19	Peanuts	ton	325.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	Sugar Cane	tons	18.00	0.00	0.00	0.00	0.00	0.00	0.00	Current payment for Adjusted Payment
21	Watermelon, Allsweet	cwt	6.00	0.00	0.00	0.00	0.00	0.00	0.00	Allsweet types, open pollinated/seeded
17	Watermelon, seedless	cwt	7.25	0.00	0.00	0.00	0.00	0.00	0.00	irrigated watermelons, red seedless

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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
3	Cash Rent, Irr. Veg	1	100.00	0.00	0.00	0.00
10	Cash Rent, S. Cane	1	100.00	0.00	0.00	0.00
12	Cash Rent, S. Texas	1	50.00	0.00	0.00	0.00
8	Corn Share Rent	2	0.00	33.00	0.00	0.00
4	Family Living Costs	1	50.00	0.00	0.00	0.00
1	Land Cost, Orchard	1	150.00	0.00	0.00	0.00
5	Overhead Expenses	1	30.00	0.00	0.00	0.00
9	Share Rent %of Gross	2	0.00	33.00	0.00	0.00
7	Share Rent% of Gross	2	0.00	25.00	0.00	0.00