

*Projections for Planning Purposes Only
Not to be Used without Updating after October 15, 2004*

B-1241 (C11)

Table 1. Estimated fuel prices
and interest rates, TCE District 11, 2005

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	1.35
Electricity	kWh	0.00
Gasoline	gal	1.70
LP Gas	gal	0.00
Natural Gas	Mcf	0.00
INTEREST RATES		
Short-term	%	7.25
Intermediate-term	%	7.25

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Table 2. Labor names, units and wage rates.

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	8.65
HAND LABOR	hour	6.00

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Table 3. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, TCE District 11, 2005

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	-----\$/hour-----					
Tractor (160-179 hp)	MFWD 170	97,496	800	8	8.75	8.65	11.81	12.18	32.64	18.84	51.49
Tractor (200-249)	MFWD 225	121,500	600	14	11.60	8.65	15.66	8.67	32.98	21.73	54.72
Tractor (250-349 hp)	Track 300	177,117	1200	8	15.44	8.65	20.84	14.75	44.25	22.81	67.07

Notes:

Labor: Includes allocated labor from power unit.

Total Direct: Does not include interest on operating capital.

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Table 3. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, TCE District 11, 2005

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	-----\$/hour-----					
Tractor (160-179 hp)	MFWD 170	97,496	800	8	8.75	8.65	11.81	12.18	32.64	18.84	51.49
Tractor (200-249)	MFWD 225	121,500	600	14	11.60	8.65	15.66	8.67	32.98	21.73	54.72
Tractor (250-349 hp)	Track 300	177,117	1200	8	15.44	8.65	20.84	14.75	44.25	22.81	67.07

Notes:

Labor: Includes allocated labor from power unit.

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Table 4. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, TCE District 11, 2005

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
Combine	30'	227,747	250	10	14.41	0.085	0.73	1.65	6.19	8.58	10.32	18.90
Sprayer(600-825 Gal)	90'	132,350	350	8	9.62	0.009	0.07	0.11	0.34	0.53	0.52	1.06

Notes:

Labor: includes allocated labor plus any additional labor from self-propelled machine.

Direct: Does not include interest on operating capital.

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Table 5. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, TCE District 11, 2005

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M--- Imp. P.U.	Total Direct	--Fixed-- Imp. P.U.	Total Cost		
			dollars	hours	years	hr/ac	-----\$/acre-----							
Bed	12R30"	Track 300	7,650	160	8	0.078	0.67	1.62	0.37	1.15	3.82	0.57	1.78	6.18
Bed	8R-38"	MFWD 225	6,100	160	8	0.090	0.78	1.42	0.34	0.78	3.34	0.53	1.97	5.85
Chisel (8R)	25'	MFWD 225	15,000	150	12	0.071	0.61	1.11	0.41	0.61	2.77	0.85	1.55	5.17
Cultivate	8R-38"	MFWD 225	12,500	200	12	0.090	0.78	1.42	0.37	0.78	3.37	0.67	1.97	6.03
Cultivate & Post	8R-38"	MFWD 225	16,000	200	12	0.090	1.05	1.42	0.48	0.78	3.75	0.86	1.97	6.60
Cultivator	12R	MFWD 170	16,500	250	12	0.060	0.51	0.70	0.26	0.73	2.22	0.47	1.13	3.82
Disk	27'	MFWD 225	26,500	180	10	0.076	0.66	1.20	0.90	0.66	3.44	1.50	1.67	6.62
Disk	32'	Track 300	29,250	200	10	0.063	0.55	1.33	0.74	0.94	3.57	1.24	1.45	6.28
Field Cultivator	32'	MFWD 225	14,000	100	10	0.045	0.39	0.71	0.41	0.39	1.91	0.84	0.98	3.74
Field Cultivator	60'	Track 300	37,400	200	10	0.025	0.21	0.52	0.37	0.36	1.48	0.62	0.57	2.67
Grain Cart		MFWD 170	16,000	250	25	0.090	0.78	1.07	0.13	1.10	3.10	0.48	1.71	5.30
Grain Drill	24'	MFWD 170	25,000	100	10	0.083	0.72	0.98	1.45	1.01	4.17	2.77	1.57	8.52
Plant & PreEmerge	8R-38"	MFWD 225	29,750	150	12	0.072	1.06	1.14	0.84	0.63	3.69	1.72	1.58	7.00
Planter	12R-30''	MFWD 170	35,913	150	8	0.060	0.64	0.70	1.43	0.73	3.52	2.29	1.13	6.94
Stalk Puller	8 Row	MFWD 170	8,500	200	8	0.050	0.43	0.59	0.21	0.60	1.84	0.33	0.94	3.12
Stalk Shredder	24'	MFWD 170	23,980	200	8	0.069	0.59	0.81	0.82	0.84	3.08	1.27	1.30	5.65
V Ripper	22'	Track 300	6,000	200	10	0.080	0.69	1.66	0.19	1.18	3.73	0.31	1.82	5.87

Notes:

Labor: Includes labor from Power unit plus additional labor from the implement.

Total Direct: Does not include interest on operating capital.

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Table 6. Single durable inputs: estimated purchase price, annual use, useful life, fuel consumption rate, labor, fuel, R&M, total direct, fixed and total cost per year, , TCE District 11, 2005

Item Name	Unit of Measure	Purchase Price	Annual Use	Useful Life	Fuel Use	Operation Time	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	units/hr	\$/yr	\$/yr	\$/yr	\$/yr	\$/yr	\$/yr
Motor+Gen,1/2 CP	ac-in	20,000	11162	20	11.62	0.1890	0.00	0.00	750.00	750.00	1924.69	2674.69
Motor+Gen,1/4 CP	ac-in	12,000	1820	15	5.25	0.5076	479.47	0.00	600.00	1079.47	1338.41	2417.89
Pump+Gear Head	each	18,000	0	15	0.00	0.0000	0.00	0.00	480.00	480.00	2007.62	2487.62
Sprinkler - 1/2 mile	each	90,000	0	15	0.00	0.0000	0.00	0.00	2400.00	2400.00	10038.11	12438.11
Sprinkler - 1/4 mile	each	45,000	0	15	0.00	0.0000	0.00	0.00	1200.00	1200.00	5019.05	6219.05
Well	each	34,000	0	20	0.00	0.0000	0.00	0.00	0.00	0.00	3271.98	3271.98

Notes:

Labor: Includes allocated labor from the durable input.

Total Direct: Does not include interest on operating capital.

Table 9. Operating inputs: estimated prices, TCE District 11, 2005

ITEM NAME	UNIT	PRICE
dollars		
Custom		
Aerial Application	acre	4.25
Fert. Application	acre	3.50
Ginning - Picker	lb	0.08
Pick and Module	cwt	3.20
Scouting	acre	5.25
Fertilizer		
24-8-0	ton	185.00
24-8-0 / vt	ton	175.00
28-4-0	ton	165.00
32-0-0	ton	220.00
32-0-0 /vt	ton	185.00
46-0-0	ton	285.00
Pecan Zinc	pt	1.00
Zinc	lb	2.25
Growth Regulators		
PGR IV	oz	1.55
Pix (Generic)	oz	0.35
Hauling and Handling		
Custom haul-corn	cwt	0.28
custom haul-sorghum	cwt	0.28
custom haul/canola	cwt	0.28
Drying - corn	cwt	0.05
drying-sorghum	cwt	0.05
Herbicides		
2,4D	lb	3.12
Atrazine	lb	2.50
Defoliant-Picker	lb	54.00
Defoliant-VT	oz	0.54
Glyphosate	qt	10.88
Glyphosate (Generic)	qt	4.00
grain/planting herb	oz	1.03
Gramoxone	oz	0.31
Herb/cotton planting	pt	4.60
sorg/post emerg herb	oz	10.33
Triflurilan	pt	2.13
Insecticides		
Boll Weevil Program	acre	23.14
Bollworm Control	oz	2.89
BWEP-UGC	acre	20.20
corn/soil insect ctl	lb	2.20
Fleahopper cntrl/vt	oz	0.61
Fleahopper Control	oz	0.72
Headworm Control	oz	2.19
Lygus Bug Control	oz	8.13
sorghum/stinkbug trt	oz	1.52
Thrips/Aphid Control	lb	2.15
Other		
crop ins/cotton/lc	acre	9.99
Crop Ins/Cttn/vt	acre	14.67
Crop Ins/irr corn	acre	7.32
Crop Ins/irr gs	acre	4.52

Table 9. Operating inputs: estimated prices, TCE District 11, 2005

ITEM NAME	UNIT	PRICE
dollars		
crop insurance/sorg	acre	5.64
pickup charge	acre	2.10
Seed		
Canola Seed/RR	lb	4.00
corn seed/YG vt	thous	1.44
Cotton Seed	lb	1.24
Cotton Seed/treated	lb	1.97
CottonSeed/B2R trtd	thous	0.98
sorghum seed/treated	lb	2.65
Surfactant		
surfactant	pt	1.25

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Table 10. Allocated cost items: estimated costs, TCE District 11, 2005

ITEM NAME	DOLLARS PER ACRE	% OF INCOME	% OF DIRECT EXPENSES	% OF TOTAL EXPENSES
Land Charge	55.00			
Land/Half Year	27.50			
Management Charge		5.00		

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Table 11. Products: estimated prices, TCE District 11, 2005

ITEM NAME	UNIT	PRICE
		dollars
Canola	lb	0.09
Corn	bu	2.35
Cotton Lint	lb	0.52
Cotton lint/vt	lb	0.57
Cotton Seed	ton	90.00
Grain Sorghum	cwt	4.00
Grain Sorghum/vt	cwt	4.50