

*Projections for Planning Purposes Only
Not to be Used without Updating
after November 1, 2006*

B-1241 (C1&2)

Table 1. Estimated fuel prices, labor wage rates,
and interest rates

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	2.00
Electricity	kWh	0.09
Gasoline	gal	2.25
LP Gas	gal	1.71
Irrigation Energy	ac-in	8.30
LABOR TYPES		
Operator	hour	9.10
Hand	hour	9.10
Irrigation	hour	9.10
Owner	hour	9.10
INTEREST RATES		
Short-term	%	9.60
Intermediate-term	%	9.60

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Table 2. Self-propelled machines: estimated performance rate, useful life, annual use, purchase price, repair cost, fuel consumption rate, and direct and fixed cost per hour and per acre

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	FUEL	--DIRECT COST--		--FIXED COST--	
							CONS RATE	\$/hr	\$/ac	\$/hr	\$/ac
Pickup Truck	3/4 ton	0.006	10	1500	23,110	80	15.00	34.98	0.23	2.30	0.01

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Table 3. Tractors: estimated useful life, annual use, purchase price, repair cost, fuel consumption rate, and direct and fixed cost per hour

ITEM NAME	SIZE	USEFUL	ANNUAL	PURCHASE	REPAIR	FUEL	--DIRECT COST--	--FIXED COS
		LIFE	USE	PRICE	COST	CONS		
		years	hours	dollars	percent	/hour	\$/hr	\$/hr
Tractor	100	7	350	54,514	60	5.40	24.15	25.25
Tractor	125	7	400	74,253	60	6.69	29.29	30.10
Tractor	150	7	600	80,073	60	7.72	26.87	21.64
Tractor	175	7	400	92,300	60	9.78	39.33	37.41
Tractor	40	7	350	21,283	75	2.57	11.65	9.86
Tractor	75	7	400	34,748	75	3.86	17.02	14.08

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Table 4. Implements: estimated performance rate, useful life, annual use, purchase price, repair cost, and direct and fixed cost per hour and per acre

ITEM NAME	SIZE	PERF RATE	USEFUL LIFE	ANNUAL USE	PURCHASE PRICE	REPAIR COST	--DIRECT COST--	--FIXED COST--		
		hrs/ac	years	hours	dollars	percent	\$/hr	\$/ac	\$/hr	\$/ac
bed planter		0.057	7	150	53,000	70	35.33	2.02	67.85	3.88
bedder		0.057	7	200	13,500	80	7.71	0.44	12.96	0.74
blade plow		0.099	7	200	17,745	50	6.33	0.63	17.03	1.69
box float		0.327	7	100	2,175	50	1.55	0.50	4.17	1.36
chisel		0.099	7	200	13,907	70	6.95	0.69	13.35	1.32
cultivator	12 row	0.078	7	100	19,862	80	22.69	1.78	38.14	2.99
cultivator	8 row	0.118	7	100	14,966	80	17.10	2.01	28.74	3.39
cultivator	rolling	0.147	7	200	14,537	80	8.30	1.22	13.95	2.05
cultivator 12 row	rolling	0.073	7	200	19,226	80	10.98	0.80	18.46	1.35
disc	offset	0.078	7	200	34,261	80	19.57	1.54	32.89	2.59
disc	tandem	0.138	7	200	19,345	80	11.05	1.52	18.57	2.56
field cultivator	35 ft	0.065	7	200	24,884	65	11.55	0.75	23.89	1.56
furrow opener	20 feet	0.100	7	100	6,750	80	7.71	0.77	12.96	1.29
grain drill		0.212	7	120	8,500	70	7.08	1.50	13.60	2.88
lister	20 ft	0.114	7	200	8,750	80	5.00	0.57	8.40	0.96
lister/planter	20 ft	0.114	7	150	17,500	70	11.66	1.33	22.40	2.56
moldboard		0.286	7	100	13,729	80	15.69	4.49	26.36	7.55
packer		0.276	7	200	9,500	80	5.42	1.49	9.12	2.51
planter	bed	0.152	7	100	16,500	70	16.50	2.51	31.68	4.83
planter	no-till	0.152	7	100	42,543	70	42.54	6.49	81.69	12.47
rod weeder	8 row	0.077	7	80	11,500	70	14.37	1.11	27.60	2.13
rotary hoe	8 row	0.077	7	80	6,707	80	9.58	0.74	16.09	1.24
sand fighter		0.057	7	100	2,880	80	3.29	0.18	5.53	0.31
shredder	4 row	0.209	7	125	8,437	40	3.85	0.80	12.96	2.71
sprayer	mounted	0.157	7	100	7,500	100	10.71	1.68	14.40	2.27
stalk cutter		0.069	8	200	23,900	70	10.45	0.72	21.01	1.44
sweep plow		0.065	7	200	22,884	80	13.07	0.85	21.97	1.43

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Table 5. Operating inputs: estimated prices

ITEM NAME	UNIT	PRICE
dollars		
BOLL WEEVIL ASSESS		
dryland	acre	6.00
Irrigated	acre	12.00
CROP INSURANCE		
corn -CP	acre	15.00
cotton - CP	acre	20.00
cotton - dryland	acre	12.25
CUSTOM		
aerial spray - sunfl	acre	4.20
crop consultant	acre	6.00
cust harv-sorgh dry	acre	12.60
cust harv-sunfl dry	acre	15.00
cust harv-sunfl irri	acre	18.00
cust harv-wheat dry	acre	12.60
cust harv-wheat irr	acre	12.60
cust haul-sorgh dry	cwt.	0.25
cust haul-sunfl dry	cwt.	0.30
cust haul-wheat dry	bu.	0.14
cust haul-wheat irr	bu.	0.14
custom baling	bale	0.66
custom baling -round	ton	25.00
custom hauling	bu.	0.13
custom swathing	acre	5.50
dig & shake - peanut	acre	22.50
drying - peanut	ton	30.00
fert appl - ANH ₃	acre	9.00
fert appl - dry	acre	4.50
fert appl - liquid	acre	4.50
fert appl - peanut	acre	4.50
fert application	acre	4.50
fung & appl - peanut	appl	14.00
fungicide & appl	appl	15.00
ginning - cotton	cwt.	2.40
harv & haul - corn	bu.	0.26
harv & haul - cornsi	ton	4.66
harv & haul - hay	ton	22.00
harv & haul - sorgh	ton	4.66
harv & haul - soybea	bu.	0.33
harv&haul - peanuts	ton	55.00
harv&haul-wheat irr	bu.	0.44
harvaid appl-cot dry	acre	20.00
harvaid appl-cot irr	acre	25.00
harvest & haul	cwt.	1.38
harvest & haul - sor	cwt.	0.53
herb application	acre	4.50
herb&appl-sorghumi	acre	21.12
herb+appl - alfalfa	acre	23.25
herb+appl - rot	acre	12.00
herb+appl - sorghum	acre	10.50
herb+appl -corn post	acre	15.00
herb+appl-soybeans i	acre	9.00
hoeing - peanut	acre	15.00

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Table 5. Operating inputs: estimated prices

ITEM NAME	UNIT	PRICE
		dollars
hoeing -dry cotton	acre	12.00
insec appl - alfalfa	appl	13.75
insec+appl - cornsi	appl	22.73
insec+appl - cotton	appl	12.00
insec+appl - peanut	appl	12.00
insec+appl - sorghum	appl	13.00
insec+appl - wheat	acre	11.00
insec+appl-soybeans	acre	10.24
insec+appl-sunflow1	appl	14.00
insec+appl-sunflow2	appl	14.00
insecticide appl	appl	10.00
preplant herb + appl	acre	12.00
soil test	acre	0.50
strip & module-cotto	cwt.	1.45
strip till	acre	15.00
thinning - custom	acre	25.00
FERTILIZER		
fert(N) - alfalfa	lb.	0.31
fert(N) - ANH ₃	lb.	0.20
fert(N) - dry	lb.	0.35
fert(N) - liquid	lb.	0.35
fert(P) - dry	lb.	0.30
fert(P) - liquid	lb.	0.41
nitrogen - dry	lb.	0.35
phosphate - dry	lb	0.30
FUNGICIDE		
fungicide	appl	8.00
HERBICIDE		
burndown herb	acre	10.00
burndown&atrazene ap	acre	14.50
herb - corn pre	acre	17.30
herb -corn post	acre	15.00
herb&appl-alfalfa	acre	28.50
herb&appl.-rot#1	acre	12.00
herb+appl-corns pre	acre	21.12
herb. & appl - sunfl	acre	15.00
herb. - cotton	acre	18.50
herb.& appl.-fallow	acre	9.00
herb.&appl- rot#2	acre	9.00
herb.&appl. - rot#3	acre	15.00
herb.- peanut	acre	15.00
herbicide rotation	acre	4.80
INSECTICIDE		
insec. - sunflower	acre	14.00
insect - alfalfa	acre	10.75
insect. - wheat	acre	12.60
miticide	acre	25.00
rootworm ins&appl	appl	14.65
IRRIGATION ENERGY		
Irrigation - CP	ac-in	8.30

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Table 5. Operating inputs: estimated prices

ITEM NAME	UNIT	PRICE
dollars		
SEED		
conf. sunflower seed	acre	20.00
innoculant peanut	acre	6.00
innoculant soybeans	acre	7.00
seed - alfalfa	lb.	3.08
seed - Bt corngr.	bags	145.00
seed - corn silage	bags	93.00
seed - cotton dry	lb.	0.60
seed - Oilseed sunfl	acre	16.00
seed - pasture	lb.	1.25
seed - peanut	lb.	0.81
seed - sorghum	lb.	1.25
seed - soybeans	lb.	0.45
seed - sunflower	acre	12.00
seed treatment-cttn	acre	12.00
seed- wheat	bu.	12.00
seed- wheat g	bu.	7.00
sorghum-sudan	lb.	0.36

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Table 6. Other durable inputs: estimated repair cost, fuel consumption rate, direct cost per unit of measure, and fixed cost per unit of measure or per acre

ITEM NAME	UNIT	REPAIR	FUEL	DIRECT COST	-----FIXED COST-----	
		COST	CONS		Rate	Cost
		\$/U of M	/U of M	\$/U of M	\$/U of M	\$/acre
Center Pivot	ac-in	2.030	1.000	10.330		33.60
Furrow	ac-in	1.800	1.000	10.100		24.62

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Table 7. Operating input categories

ITEM NAME

BOLL WEEVIL ASSESS
CROP INSURANCE
CUSTOM
FEED
FERTILIZER
FUNGICIDE
HARVEST AID
HERBICIDE
INSECTICIDE
IRRIGATION FUEL
SEED

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Table 8. Products: estimated prices

ITEM NAME	UNIT	PRICE
		dollars
Conf. Sunflowers	cwt	16.00
corn	bu.	3.68
corn silage	ton	34.50
cotton lint	lb.	0.54
cottonseed	ton	130.00
grazing - dryland	days	0.16
grazing - irrigated	days	0.43
grazing - sorghum	lb.	0.38
grazing - wheat	days	0.16
grazing - wheati	days	0.43
hay - alfalfa	ton	160.00
hay - sorghum	ton	45.00
Oilseed Sunflo	cwt	12.50
pasture	days	0.84
peanuts - runner	ton	380.00
sorghum	cwt	5.60
sorghum silage	ton	31.00
soybeans	bu.	6.35
sunflowers	cwt.	12.50
wheat	bu.	4.54

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Table 9. Allocated cost items: estimated costs

ITEM NAME	DOLLARS PER ACRE	% OF INCOME	% OF DIRECT EXPENSES	% OF TOTAL EXPENSES
cash - rent	15.00			
cash rent - alfalfa	75.00			
cash rent - corn	75.00			
cash rent - cottond	15.00			
cash rent - cottonf	45.00			
cash rent - cottoni	45.00			
cash rent - dryland	15.00			
cash rent - irrigat	75.00			
cash rent - pasture	45.00			
cash rent - peanuts	75.00			
cash rent - sorghsil	75.00			
cash rent - sorghumf	45.00			
cash rent - wheatd	15.00			
cash rent - wheati	45.00			
cash rent- sorghum	15.00			
cash rent- soybeans	45.00			
cash rent-sunflowerd	15.00			
cash rent-sunfloweri	45.00			
lease - pasture	5.00			
perennial crop	49.89			
perennial Crop - PP	40.12			

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