

*Projections for Planning Purposes Only
Not to be Used without Updating after January 1, 2011*

B-1241 (C5)

Table 1. Estimated fuel prices, labor wage rates,
and interest rates - East Texas (5)

| ITEM NAME | UNIT | PRICE |
|-------------------|------|-------|
| dollars | | |
| FUEL TYPES | | |
| Diesel Fuel | gal | 2.65 |
| Electricity | kWh | 0.08 |
| Gasoline | gal | 2.73 |
| LP Gas | gal | 1.80 |
| Natural Gas | Mcf | 4.75 |
| LABOR TYPES | | |
| Operator | hour | 10.00 |
| Hand | hour | 10.00 |
| Irrigation | hour | 10.00 |
| Owner | hour | 10.00 |
| INTEREST RATES | | |
| Short-term | % | 4.75 |
| Intermediate-term | % | 6.00 |

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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 - East Texas (5)

| ITEM NAME | SIZE | PERF RATE | USEFUL LIFE | ANNUAL USE | PURCHASE PRICE | REPAIR COST | FUEL | --DIRECT COST-- | | --FIXED COST-- | |
|--------------|---------|--------------|----------------|---------------|-------------------|----------------|--------------|-----------------|-------|----------------|-------|
| | | | | | | | CONS RATE | \$/hr | \$/ac | \$/hr | \$/ac |
| | | hrs/ac | years | hours | dollars | percent | /hour | | | | |
| Pickup truck | 3/4 ton | 0.006 | 10 | 1500 | 30,000 | 80 | 15.00 | 42.55 | 0.28 | 2.47 | 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 - East Texas (5)

| ITEM NAME | SIZE | USEFUL | ANNUAL | PURCHASE | REPAIR | FUEL | --DIRECT COST-- | --FIXED COST-- |
|----------------|------|--------|--------|----------|---------|-------|-----------------|----------------|
| | | LIFE | USE | PRICE | COST | CONS | | |
| | | years | hours | dollars | percent | /hour | \$/hr | \$/hr |
| Tractor 100hp | 100 | 7 | 880 | 43,100 | 60 | 5.40 | 18.50 | 6.55 |
| Tractor 125 hp | 125 | 7 | 600 | 57,700 | 60 | 6.69 | 25.97 | 12.87 |
| Tractor 40 hp | 40 | 7 | 360 | 16,800 | 70 | 2.57 | 11.47 | 6.24 |
| Tractor 50 hp | 50 | 7 | 400 | 13,750 | 60 | 3.15 | 11.29 | 4.60 |
| Tractor 75 hp | 75 | 7 | 555 | 29,100 | 75 | 3.86 | 15.84 | 7.01 |

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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 - East Texas (5)

| ITEM NAME | SIZE | PERF | USEFUL | ANNUAL | PURCHASE | REPAIR | --DIRECT COST-- | | --FIXED COST-- | |
|----------------------|-------|--------|--------|--------|----------|---------|-----------------|-------|----------------|-------|
| | | RATE | LIFE | USE | PRICE | COST | \$/hr | \$/ac | \$/hr | \$/ac |
| | | hrs/ac | years | hours | dollars | percent | | | | |
| Bale Mover | | 0.154 | 7 | 200 | 500 | 80 | 0.28 | 0.04 | 0.41 | 0.06 |
| Broadcast seeder | | 0.153 | 7 | 50 | 500 | 80 | 1.14 | 0.17 | 1.67 | 0.25 |
| cultivator - 13 ft | | 0.243 | 7 | 150 | 2,000 | 80 | 1.52 | 0.37 | 2.22 | 0.54 |
| cultivator - 20 ft | | 0.162 | 7 | 150 | 2,000 | 80 | 1.52 | 0.24 | 2.22 | 0.36 |
| cultivator - rolling | | 0.183 | 7 | 250 | 2,000 | 80 | 0.91 | 0.16 | 1.33 | 0.24 |
| disc offset | | 0.207 | 7 | 100 | 3,000 | 80 | 3.42 | 0.70 | 5.01 | 1.03 |
| disc-tandem - 8 ft | 8ft | 0.276 | 7 | 100 | 1,400 | 80 | 1.60 | 0.44 | 2.34 | 0.64 |
| disc-tandem 13 ft | 13 ft | 0.169 | 7 | 100 | 2,800 | 80 | 3.20 | 0.54 | 4.68 | 0.79 |
| fert. spreader | | 0.153 | 7 | 50 | 100 | 80 | 0.22 | 0.03 | 0.33 | 0.05 |
| grain drill | | 0.286 | 7 | 50 | 1,450 | 80 | 3.31 | 0.94 | 4.84 | 1.38 |
| harrow | | 0.254 | 7 | 35 | 1,000 | 80 | 3.26 | 0.83 | 4.77 | 1.21 |
| lister/bedder | | 0.193 | 7 | 175 | 1,400 | 80 | 0.91 | 0.17 | 1.33 | 0.25 |
| moldboard - 3 bottom | | 0.572 | 7 | 100 | 1,200 | 80 | 1.37 | 0.78 | 2.00 | 1.14 |
| moldboard - 4 bottom | | 0.432 | 7 | 100 | 1,680 | 80 | 1.92 | 0.83 | 2.80 | 1.21 |
| planter | | 0.229 | 7 | 30 | 1,680 | 80 | 6.40 | 1.47 | 9.36 | 2.15 |
| shredder - 2 row | 2 row | 0.415 | 7 | 50 | 1,795 | 80 | 4.10 | 1.70 | 6.00 | 2.49 |
| shredder - 4 row | 4 row | 0.209 | 7 | 50 | 3,250 | 80 | 7.42 | 1.55 | 10.86 | 2.27 |
| sprayer | | 0.292 | 7 | 100 | 675 | 80 | 0.77 | 0.22 | 1.12 | 0.33 |
| sprayer - airblast | | 0.135 | 7 | 75 | 6,600 | 80 | 10.05 | 1.35 | 14.71 | 1.98 |
| sprayer - pasture | | 0.129 | 7 | 50 | 775 | 80 | 1.77 | 0.22 | 2.59 | 0.33 |

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Table 5. Operating inputs: estimated prices - East Texas (5)

| ITEM NAME | UNIT | PRICE |
|----------------------|-------|--------|
| dollars | | |
| custom | | |
| cust baling - round | ton | 12.00 |
| cust baling - square | bale | 1.25 |
| cust hauling | roll | 2.00 |
| custom drill | acre | 5.00 |
| custom plant -smgr | acre | 10.00 |
| custom plow | acre | 10.00 |
| fert appl | appl | 5.00 |
| herb. appl | acre | 5.00 |
| insect appl | appl | 8.20 |
| mow,rake,bale | bale | 1.25 |
| rye-ryegrass - past | lb | 155.72 |
| sprigging | acre | 100.00 |
| feed | | |
| hay | roll | 55.00 |
| hay - cow/calf | roll | 55.00 |
| hay stocker | roll | 55.00 |
| salt | lb. | 0.06 |
| fertilizer | | |
| (K) applied | lb. | 0.40 |
| (N) applied | lb. | 0.48 |
| (P) applied | lb. | 0.75 |
| 0-0-60 | lb. | 0.40 |
| 16-6-12 | lb. | 0.65 |
| 17-17-17 | lb. | 0.65 |
| 46-0-0 | lb. | 0.48 |
| 6-24-24 | lb. | 0.65 |
| lime | ton | 30.00 |
| nitrogen | lb. | 0.48 |
| nitrogen - dry | lb. | 0.48 |
| nitrogen - pasture | lb. | 0.48 |
| nitrogen - sorghum | lb. | 0.48 |
| phosphate | lb. | 0.70 |
| phosphate - sorghum | lb. | 0.70 |
| phosphorus | lb. | 0.70 |
| potash | lb. | 0.40 |
| potassium | lb. | 0.40 |
| fungicide | | |
| foliar fungicide | appl | 4.90 |
| soil fungicide | appl | 16.15 |
| herbicide | | |
| 2-4-D | qt | 2.56 |
| hay - herbicide | acre | 5.00 |
| pasture - herbicide | acre | 6.00 |
| pre-emerg - bermuda | acre | 6.00 |
| sorghum - herb. | acre | 6.50 |
| weed control | appl. | 43.75 |

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| | | |
|--------------------|------|-------|
| wheat - herb. | oz. | 15.00 |
| innoculant | | |
| arrowleaf - innoc. | acre | 2.00 |
| crimson - innoc. | acre | 2.00 |
| soybeans - innoc | acre | 0.75□ |

Table 5. Operating inputs: estimated prices - East Texas (5)

| ITEM NAME | UNIT | PRICE |
|----------------------|------|---------|
| | | dollars |
| yuchi - innoc. | acre | 4.00 |
| insecticide | | |
| insec soybeans | appl | 5.50 |
| insec. small grain | appl | 6.00 |
| insec. sorghum | appl | 5.00 |
| insec. wheat | acre | 6.00 |
| misc. | | |
| land rent | acre | 15.00 |
| leased land - opport | head | 10.00 |
| lp gas | gal | 1.00 |
| pasture | | |
| coastal berm. pastur | acre | 79.23 |
| pasture - winter | acre | 134.47 |
| pasture rent | acre | 12.00 |
| small grain ryegrass | acre | 149.90 |
| small grains - pastu | acre | 118.65 |
| wheat pasture | lb. | 155.72 |
| seed | | |
| rye-ryegrass - sodse | acre | 149.90 |
| seed - Apache | lb. | 2.05 |
| seed - arrowleaf | lb. | 1.20 |
| seed - clover w/ rye | acre | 101.35 |
| seed - crimson clove | lb. | 1.40 |
| seed - elbon rye | lb. | 0.16 |
| seed - oats | lb. | 0.20 |
| seed - ryegrass | lb. | 0.46 |
| seed - sorghum | lb. | 0.64 |
| seed - wheat | lb. | 0.09 |
| seed - yuchi | lb. | 1.30 |

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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 - East Texas (5)

| ITEM NAME | UNIT | REPAIR COST | FUEL CONS RATE | DIRECT COST | ----FIXED COST---- | |
|------------|-------|----------------|----------------------|-------------|--------------------|---------|
| | | \$/U of M | /U of M | \$/U of M | \$/U of M | \$/acre |
| irrigation | ac/in | 2.030 | 1.000 | 6.780 | | 33.60 |

Table 7. Operating input categories - East Texas (5)

ITEM NAME

custom
feed
fertilizer
fungicide
herbicide
innoculant
insecticide
misc.
pasture
seed

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Table 8. Products: estimated prices - East Texas (5)

| ITEM NAME | UNIT | PRICE |
|--------------|------|---------|
| | | dollars |
| hay | ton | 91.00 |
| hay - square | bale | 7.00 |
| oats | bu | 4.00 |
| sorghum | cwt | 8.25 |
| wheat | bu | 6.48 |

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Table 9. Allocated cost items: estimated costs - East Texas (5)

| ITEM NAME | DOLLARS PER ACRE | % OF INCOME | % OF DIRECT EXPENSES | % OF TOTAL EXPENSES |
|-------------------|---------------------|----------------|----------------------------|---------------------------|
| forage | 15.00 | | | |
| land charge crops | 15.00 | | | |
| pasture | 10.00 | | | |
| small grain | 15.00 | | | |
| wheat | 26.00 | | | |