

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

B-1241 (L6)

Table 18.D Estimated costs and returns per Ac
Alamo Switch Grass Full Season - baled
Pivot Irrigated, Far West Texas, 2005

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|--|--------|---------|----------|---------|-----------|
| | | dollars | | dollars | |
| INCOME | | | | | |
| Switch Grass | ton | 75.00 | 3.1700 | 237.75 | _____ |
| | | | | ----- | |
| TOTAL INCOME | | | | 237.75 | _____ |
| DIRECT EXPENSES | | | | | |
| FERTILIZERS | | | | | |
| N-32 in Water | lb | 0.21 | 20.0000 | 4.20 | _____ |
| Urea, Solid (46% N) | cwt | 12.77 | 0.4500 | 5.75 | _____ |
| HERBICIDES | | | | | |
| 2,4-D Amine 4 | oz | 0.08 | 40.0000 | 3.20 | _____ |
| OPERATOR LABOR | | | | | |
| Tractors | hour | 10.00 | 0.7933 | 7.93 | _____ |
| Self-Propelled | hour | 10.00 | 0.6600 | 6.60 | _____ |
| IRRIGATION LABOR | | | | | |
| Trans-Pecos Pivot | hour | 10.00 | 0.0700 | 0.69 | _____ |
| HAND LABOR | | | | | |
| Special Labor | hour | 10.00 | 0.1400 | 1.40 | _____ |
| Implements | hour | 10.00 | 0.0423 | 0.42 | _____ |
| DIESEL FUEL | | | | | |
| Tractors | gal | 1.75 | 3.7508 | 6.60 | _____ |
| Self-Propelled | gal | 1.75 | 3.6000 | 6.30 | _____ |
| NATURAL GAS | | | | | |
| NG Pumps | Mcf | 7.00 | 4.4688 | 31.29 | _____ |
| REPAIR & MAINTENANCE | | | | | |
| Implements | Ac | 0.69 | 1.0000 | 0.69 | _____ |
| Tractors | Ac | 1.01 | 1.0000 | 1.01 | _____ |
| Self-Propelled | Ac | 2.13 | 1.0000 | 2.13 | _____ |
| Trans-Pecos Pivot | Ac. In | 0.72 | 6.0000 | 4.38 | _____ |
| NG Pumps | Ac In | 1.00 | 6.0000 | 6.00 | _____ |
| INTEREST ON OP. CAP. | Ac | 3.59 | 1.0000 | 3.59 | _____ |
| | | | | ----- | |
| TOTAL DIRECT EXPENSES | | | | 92.18 | _____ |
| RETURNS ABOVE DIRECT EXPENSES | | | | 145.57 | _____ |
| FIXED EXPENSES | | | | | |
| Implements | Ac | 5.03 | 1.0000 | 5.03 | _____ |
| Tractors | Ac | 7.27 | 1.0000 | 7.27 | _____ |
| Self-Propelled | Ac | 6.06 | 1.0000 | 6.06 | _____ |
| Trans-Pecos Pivot | each | 7147.24 | 0.0083 | 59.56 | _____ |
| NG Pumps | each | 7699.23 | 0.0060 | 46.75 | _____ |
| Switchgrass Estab. | Ac | 47.71 | 1.0000 | 47.71 | _____ |
| | | | | ----- | |
| TOTAL FIXED EXPENSES | | | | 172.38 | _____ |
| | | | | ----- | |
| TOTAL SPECIFIED EXPENSES | | | | 264.56 | _____ |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES | | | | -26.81 | _____ |
| RESIDUAL ITEMS | | | | | |
| Trans Pecos Irr Lnd | acre | 40.00 | 1.0000 | 40.00 | _____ |
| RESIDUAL RETURNS | | | | -66.81 | _____ |

Note: Cost of production estimates are based on last year's input price

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B-1241 (C6)

Table 18.A Estimated resource use and costs for field operations, per Ac
Alamo Switch Grass Full Season - baled
Pivot Irrigated, Far West Texas, 2005

| OPERATION/ OPERATING INPUT | SIZE/ UNIT | POWER UNIT SIZE | PERF RATE | TIMES OVER | MTH | POWER UNIT COST | | EQUIPMENT COST | | ALLOC LABOR | | OPERATING/DURABLE INPUT | | | TOTAL COST |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|--------|-------------|-------|-------------------------|-------|-------|---------------|
| | | | | | | DIRECT | FIXED | DIRECT | FIXED | HOURS | COST | AMOUNT | PRICE | COST | |
| | | | | | | -----dollars----- | | | | dollars | | -----dollars----- | | | |
| N-32 in Water | lb | | | 1.00 | Apr | | | | | | | 20.0000 | 0.21 | 4.20 | 4.20 |
| Spray (Bcast/HB) | 20' Rigid | 2WD 50 | 0.084 | 1.00 | May | 0.43 | 0.34 | 0.20 | 0.29 | 0.12 | 1.27 | | | | 2.53 |
| 2,4-D Amine 4 | oz | | | | | | | | | | | 40.0000 | 0.08 | 3.20 | 3.20 |
| Rake | 14 whl | 2WD 50 | 0.050 | 1.00 | May | 0.26 | 0.20 | 0.02 | 0.13 | 0.05 | 0.50 | | | | 1.11 |
| Swather | 18ft | | 0.200 | | | 2.81 | 2.02 | | | 0.22 | 2.20 | | | | 7.03 |
| Baler | 3X4 | 2WD 105 | 0.100 | 1.00 | May | 1.11 | 1.14 | 0.10 | 0.90 | 0.10 | 1.00 | | | | 4.25 |
| Bale Fork | 1 | 2WD 105 | 0.033 | 1.00 | May | 0.37 | 0.38 | | 0.09 | 0.03 | 0.33 | | | | 1.17 |
| HAND LABOR | hour | | | 1.00 | Jun | | | | | 0.14 | 1.40 | | | | 1.40 |
| Rake | 14 whl | 2WD 50 | 0.050 | 1.00 | Jul | 0.26 | 0.20 | 0.02 | 0.13 | 0.05 | 0.50 | | | | 1.11 |
| Swather | 18ft | | 0.200 | | | 2.81 | 2.02 | | | 0.22 | 2.20 | | | | 7.03 |
| Baler | 3X4 | 2WD 105 | 0.100 | 1.00 | Jul | 1.11 | 1.14 | 0.10 | 0.90 | 0.10 | 1.00 | | | | 4.25 |
| Bale Fork | 1 | 2WD 105 | 0.033 | 1.00 | Jul | 0.37 | 0.38 | | 0.09 | 0.03 | 0.33 | | | | 1.17 |
| Fert Spreader (dry) | | 2WD 50 | 0.033 | 1.00 | Jul | 0.17 | 0.13 | 0.02 | 0.04 | 0.03 | 0.34 | | | | 0.70 |
| Urea, Solid (46% N) | cwt | | | | | | | | | | | 0.4500 | 12.77 | 5.75 | 5.75 |
| Aerator | 10 | MFWD 105 | 0.125 | 1.00 | Aug | 1.79 | 1.64 | 0.11 | 1.34 | 0.12 | 1.25 | | | | 6.13 |
| Rake | 14 whl | 2WD 50 | 0.050 | 1.00 | Nov | 0.26 | 0.20 | 0.02 | 0.13 | 0.05 | 0.50 | | | | 1.11 |
| Swather | 18ft | | 0.200 | | | 2.81 | 2.02 | | | 0.22 | 2.20 | | | | 7.03 |
| Baler | 3X4 | 2WD 105 | 0.100 | 1.00 | Nov | 1.11 | 1.14 | 0.10 | 0.90 | 0.10 | 1.00 | | | | 4.25 |
| Bale Fork | 1 | 2WD 105 | 0.033 | 1.00 | Nov | 0.37 | 0.38 | | 0.09 | 0.03 | 0.33 | | | | 1.17 |
| Trans-Pecos Pivot | each | | | 1.00 | Apr | | | | | 59.56 | | 0.0083 | | | 59.56 |
| Application 1 | Ac. In | | | 1.00 | Apr | | | 1.46 | | 0.02 | 0.23 | 2.0000 | | | 1.69 |
| Application 2 | Ac. In | | | 1.00 | Jul | | | 1.46 | | 0.02 | 0.23 | 2.0000 | | | 1.69 |
| Application 3 | Ac. In | | | 1.00 | Oct | | | 1.46 | | 0.02 | 0.23 | 2.0000 | | | 1.69 |
| NG Pumps | each | | | 1.00 | Apr | | | | | 46.75 | | 0.0060 | | | 46.75 |
| Application 1 | Ac In | | | 1.00 | Apr | | | 12.43 | | | | 2.0000 | | | 12.43 |
| Application 2 | Ac In | | | 1.00 | Jul | | | 12.43 | | | | 2.0000 | | | 12.43 |
| Application 3 | Ac In | | | 1.00 | Oct | | | 12.43 | | | | 2.0000 | | | 12.43 |
| Switchgrass Estab. | Ac | | | | Jan | | | | | | | 1.0000 | | | 47.71 |
| TOTALS | | | | | | 16.04 | 13.33 | 42.36 | 111.34 | 1.70 | 17.04 | | | 13.15 | 260.97 |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | | | | 3.59 |
| UNALLOCATED LABOR | | | | | | | | | | | | | | | 0.00 |
| TOTAL SPECIFIED COST | | | | | | | | | | | | | | | 264.56 |

Note: Cost of production estimates are based on last year's input prices.