

SOUTHERN PEAS, IRRIGATED, TEXAS HIGH PLAINS IV REGION
ESTIMATED COSTS AND RETURNS PER ACRE
SOUTHERN PEAS, DRYLAND, TEXAS HIGH PLAINS III REGION
ESTIMATED COSTS AND RETURNS PER ACRE

ECONOMICS OF PROFITABLE SOUTHERN PEA PRODUCTION

SOUTHERN PEAS, DRYLAND, TEXAS HIGH PLAINS III REGION ESTIMATED COSTS AND RETURNS PER ACRE

| | UNIT | PRICE OR COST/UNIT | QUANTITY | VALUE OR COST |
|--|------|-----------------------|----------|------------------|
| 1. GROSS RECEIPTS FROM PRODUCTION | | | | |
| SOUTHERN PEAS | CWT. | 20.00 | 5.00 | \$ 100.00 |
| TOTAL | | | | \$ 100.00 |
| 2. VARIABLE COSTS | | | | |
| PREHARVEST | | | | |
| SEED | LBS. | 0.40 | 12.00 | 4.80 |
| FERT(20-20-0) | ACRE | 7.20 | 1.00 | 7.20 |
| MACHINERY | ACRE | 2.80 | 1.00 | 2.80 |
| TRACTORS | ACRE | 5.87 | 1.00 | 5.87 |
| LABOR(TRACTOR & MACHINERY) | HR | 5.00 | 2.31 | 11.54 |
| INTEREST ON OP. CAP. | DOL. | 0.10 | 5.94 | 0.59 |
| SUBTOTAL, PRE-HARVEST | | | | \$ 32.81 |
| HARVEST COSTS | | | | |
| CUSTOM COMBINE | ACRE | 8.00 | 1.00 | 8.00 |
| CUSTOM HAUL | CWT. | 0.25 | 5.00 | 1.25 |
| SUBTOTAL, HARVEST | | | | \$ 9.25 |
| TOTAL VARIABLE COST | | | | \$ 42.06 |
| 3. INCOME ABOVE VARIABLE COSTS | | | | \$ 57.94 |
| 4. FIXED COSTS | | | | |
| MACHINERY | ACRE | 3.70 | 1.00 | 3.70 |
| TRACTORS | ACRE | 7.54 | 1.00 | 7.54 |
| LAND (NET RENT) | ACRE | 30.21 | 1.00 | 30.21 |
| TOTAL FIXED COSTS | | | | \$ 41.46 |
| 5. TOTAL COSTS | | | | \$ 83.52 |
| 6. NET RETURNS | | | | \$ 16.48 |

LAND CHARGE BASED ON LANDLORD'S SHARE OF GROSS (33%) LESS 33% OF FERTILIZER AND HAULING.

PREPARED BY MARVIN O. SARTIN, TAEX, LUBBOCK, TEXAS

PROJECTED 1978

**SOUTHERN PEAS, DRYLAND, TEXAS HIGH PLAINS III REGION
ESTIMATED COSTS AND RETURNS PER ACRE**

| OPERATION | ITEM NO. | DATE | TIMES OVER | LABOR HOURS | MACHINE HOURS | FUEL, OIL, FIXED LUB., REP. COSTS | | |
|---------------|----------|------|------------|--------------|---------------|-----------------------------------|--------------|-------------|
| | | | | | | PER ACRE | PER ACRE | |
| MOLDBOARD | 6B TM | 2,47 | MAR | 2.00 | 1.028 | 0.685 | 4.88 | 7.24 |
| PACKER | TM | 53 | MAR | 1.00 | 0.0 | 0.329 | 0.05 | 0.10 |
| PICKUP | 1/2 TON | 10 | MAR | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| PICKUP | 1/2 TON | 10 | APR | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| PICKUP | 1/2 TON | 10 | MAY | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| LISTER-PLNT8R | TM | 3,37 | JUNE | 1.00 | 0.233 | 0.155 | 1.08 | 1.50 |
| CULTIVATOR | 8R TM | 4,34 | JUNE | 2.00 | 0.298 | 0.199 | 1.06 | 1.27 |
| PICKUP | 1/2 TON | 10 | JUNE | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| PICKUP | 1/2 TON | 10 | JULY | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| PICKUP | 1/2 TON | 10 | AUG | 0.10 | <u>0.125</u> | <u>0.100</u> | <u>0.27</u> | <u>0.19</u> |
| TOTALS | | | | 2.309 | 1.968 | 8.67 | 11.24 | |

LAND CHARGE BASED ON LANDLORD'S SHARE OF GROSS (33%) LESS 33% OF FERTILIZER AND HAULING.

PREPARED BY MARVIN D. SARTIN, TAEX, LUBBOCK, TEXAS PROJECTED 1978

Statistics presented herein were prepared by the Texas Agricultural Experiment Station and are based on data furnished by cooperating farmers and are not to be construed as official or standard data.

**SOUTHERN PEAS, IRRIGATED, TEXAS HIGH PLAINS IV REGION
ESTIMATED COSTS AND RETURNS PER ACRE**

| | UNIT | PRICE OR COST/UNIT | QUANTITY | VALUE OR COST |
|--|------|-----------------------|----------|------------------|
| 1. GROSS RECEIPTS FROM PRODUCTION | | | | |
| SOUTHERN PEAS | CWT. | 20.00 | 13.00 | \$ 260.00 |
| TOTAL | | | | \$ 260.00 |
| 2. VARIABLE COSTS | | | | |
| PREHARVEST | | | | |
| SEED | LBS. | 0.40 | 20.00 | 8.00 |
| FERT(30-60-0) | ACRE | 16.80 | 1.00 | 16.80 |
| HERBICIDE | ACRE | 5.25 | 1.00 | 5.25 |
| MACHINERY | ACRE | 3.27 | 1.00 | 3.27 |
| TRACTORS | ACRE | 6.99 | 1.00 | 6.99 |
| IRRIGATION MACHINERY | ACRE | 28.50 | 1.00 | 28.50 |
| LABOR(TRACTOR & MACHINERY) | HOUR | 5.00 | 2.85 | 14.26 |
| LABOR(IRRIGATION) | HOUR | 5.00 | 0.50 | 2.50 |
| INTEREST ON OP. CAP. | DOL. | 0.10 | 21.27 | 2.13 |
| SUBTOTAL, PRE-HARVEST | | | | \$ 87.69 |
| HARVEST COSTS | | | | |
| CUSTOM COMBINE | ACRE | 8.00 | 1.00 | 8.00 |
| CUSTOM HAUL | CWT. | 0.25 | 13.00 | 3.25 |
| SUBTOTAL, HARVEST | | | | \$ 11.25 |
| TOTAL VARIABLE COST | | | | \$ 98.94 |
| 3. INCOME ABOVE VARIABLE COSTS | | | | \$ 161.06 |
| 4. FIXED COSTS | | | | |
| MACHINERY | ACRE | 3.93 | 1.00 | 3.93 |
| TRACTORS | ACRE | 8.96 | 1.00 | 8.96 |
| IRRIGATION MACHINERY | ACRE | 26.50 | 1.00 | 26.50 |
| LAND (NET RENT) | ACRE | 65.93 | 1.00 | 65.93 |
| TOTAL FIXED COSTS | | | | \$ 105.32 |
| 5. TOTAL COSTS | | | | \$ 204.27 |
| 6. NET RETURNS | | | | \$ 55.73 |

DEEP BREAK EVERY 10 YEARS. LAND CHARGE BASED ON 33% OF GROSS LESS 33% OF FERTILIZER, HAULING AND 50% OF IRRIG. FIXED COSTS.

PREPARED BY MARVIN SARTIN, TAEX, LUBBOCK, TEXAS

PROJECTED 1978

SOUTHERN PEAS, IRRIGATED, TEXAS HIGH PLAINS IV REGION
ESTIMATED COSTS AND RETURNS PER ACRE

| OPERATION | ITEM NO. | DATE | TIMES OVER | LABOR HOURS | MACHINE HOURS | FUEL, OIL, LUB., REP. PER ACRE | FIXED COSTS PER ACRE | |
|----------------|----------|------|------------|-------------|---------------|--------------------------------|----------------------|------|
| TANDEM DISC | TM | 3,41 | JAN | 1.00 | 0.177 | 0.118 | 0.80 | 1.11 |
| MOLDBOARD | 6B TM | 2,47 | FEB | 1.00 | 0.514 | 0.343 | 2.44 | 3.62 |
| PACKER | TM | 2,53 | FEB | 1.00 | 0.494 | 0.329 | 2.10 | 2.95 |
| PICKUP 1/2 TON | | 10 | FEB | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| PICKUP 1/2 TON | | 10 | MAR | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| LISTER 8R | TM | 2,55 | APR | 1.00 | 0.148 | 0.098 | 0.70 | 1.04 |
| PICKUP 1/2 TON | | 10 | APR | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| ROLLING CULT | TM | 4,31 | MAY | 1.00 | 0.138 | 0.092 | 0.47 | 0.54 |
| PICKUP 1/2 TON | | 10 | MAY | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| BED PLANTER 8R | TM | 3,39 | JUNE | 1.00 | 0.233 | 0.155 | 1.00 | 1.33 |
| HERB SPR/DISC | TM | 61 | JUNE | 1.00 | 0.0 | 0.196 | 0.07 | 0.15 |
| CULTIVATOR 8R | TM | 4,34 | JUNE | 1.00 | 0.149 | 0.099 | 0.53 | 0.63 |
| PICKUP 1/2 TON | | 10 | JUNE | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| PICKUP 1/2 TON | | 10 | JULY | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| PICKUP 1/2 TON | | 10 | AUG | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |
| PICKUP 1/2 TON | | 10 | SEPT | 0.10 | 0.125 | 0.100 | 0.27 | 0.19 |

TOTALS 2.852 2.231 10.26 12.89

DEEP BREAK EVERY 10 YEARS. LAND CHARGE BASED ON 33% OF GROSS LESS 33% OF FERTILIZER, HAULING AND 50% OF IRRIG. FIXED COSTS.
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| ITEM | UNIT | AMOUNT |
|----------------------|------|--------|
| IRRIGATION MACHINERY | ACRE | 58.80 |
| LAND (NET RENT) | ACRE | 62.93 |
| TOTAL FIXED COSTS | | 121.73 |
| TOTAL COSTS | | 134.57 |
| NET RETURNS | | 12.73 |

**SOUTHERN PEAS, NORTHEAST TEXAS REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT**

| | UNIT | PRICE OR COST/UNIT | QUANTITY | VALUE OR COST |
|---|------|--------------------|----------|------------------|
| 1. GROSS RECEIPTS FROM PRODUCTION | | | | |
| SOUTHERN PEAS | CWT. | 16.00 | 8.00 | \$ <u>128.00</u> |
| TOTAL | | | | \$ 128.00 |
| 2. VARIABLE COSTS | | | | |
| PREHARVEST | | | | |
| SEED | LBS. | 0.33 | 30.00 | 9.90 |
| FERT (20-40-40) | ACRE | 14.40 | 1.00 | 14.40 |
| MACHINERY | ACRE | 4.20 | 1.00 | 4.20 |
| TRACTORS | ACRE | 6.53 | 1.00 | 6.53 |
| LABOR (TRACTOR & MACHINERY) | HR. | 3.00 | 2.72 | 8.17 |
| INTEREST ON OP. CAP. | DOL. | 0.10 | 9.05 | <u>0.90</u> |
| SUBTOTAL, PRE-HARVEST | | | | \$ 44.10 |
| HARVEST COSTS | | | | |
| CUSTOM COMBINE | ACRE | 10.00 | 1.00 | 10.00 |
| CUSTOM HAUL | CWT. | 0.20 | 8.00 | <u>1.60</u> |
| SUBTOTAL, HARVEST | | | | \$ 11.60 |
| TOTAL VARIABLE COST | | | | \$ 55.70 |
| 3. BREAKEVEN PRICE, VARIABLE COSTS | CWT. | | | 6.963 |
| 4. FIXED COSTS | | | | |
| MACHINERY | ACRE | 3.45 | 1.00 | 3.45 |
| TRACTORS | ACRE | 4.74 | 1.00 | 4.74 |
| LAND (NET RENT) | ACRE | 12.00 | 1.00 | <u>12.00</u> |
| TOTAL FIXED COSTS | | | | \$ 20.19 |
| 5. TOTAL COSTS | | | | \$ 75.89 |
| 6. BREAKEVEN PRICE, TOTAL COSTS | CWT. | | | 9.487 |

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5. TOTAL COSTS \$ 83.52

6. NET RETURNS \$ 16.48

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SOUTHERN PEAS, NORTHEAST TEXAS REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

| OPERATION | ITEM NO. | DATE | TIMES OVER | LABOR HOURS | MACHINE HOURS | FUEL, OIL, LUB., PER ACRE | FIXED COSTS PER ACRE |
|----------------|----------|------|------------|--------------|---------------|---------------------------|----------------------|
| TANDEM DISC | T 2,34 | MAR | 2.00 | 0.567 | 0.378 | 2.27 | 2.44 |
| PICKUP | 10 | MAR | 0.10 | 0.125 | 0.100 | 0.53 | 0.14 |
| PICKUP | 10 | APR | 0.10 | 0.125 | 0.100 | 0.53 | 0.14 |
| TOOL BAR CULT. | T 2,43 | MAY | 1.00 | 0.365 | 0.244 | 1.31 | 1.12 |
| PICKUP | 10 | MAY | 0.10 | 0.125 | 0.100 | 0.53 | 0.14 |
| PLANTER | T 2,39 | JUNE | 1.00 | 0.310 | 0.207 | 1.35 | 1.53 |
| TOOL BAR CULT. | T 2,43 | JUNE | 2.00 | 0.731 | 0.487 | 2.62 | 2.25 |
| PICKUP | 10 | JUNE | 0.10 | 0.125 | 0.100 | 0.53 | 0.14 |
| PICKUP | 10 | JULY | 0.10 | 0.125 | 0.100 | 0.53 | 0.14 |
| PICKUP | 10 | AUG | 0.10 | 0.125 | 0.100 | 0.53 | 0.14 |
| TOTALS | | | | 2.723 | 1.915 | 10.73 | 8.19 |

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