

Economics of Profitable Southern Pea Production

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L-172A  
4.8M

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

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
<b>1. GROSS RECEIPTS FROM PRODUCTION</b>				
SOUTHERN PEAS	CWT.	17.50	5.00	\$ <u>87.50</u>
TOTAL				\$ 87.50
<b>2. VARIABLE COSTS</b>				
<b>PREHARVEST</b>				
SEED	LBS.	0.40	12.00	4.80
FERT(20-20-0)	ACRE	6.20	1.00	6.20
MACHINERY	ACRE	2.62	1.00	2.62
TRACTORS	ACRE	5.15	1.00	5.15
LABOR(TRACTOR & MACHINERY)	HOURL	3.50	2.18	7.63
INTEREST ON OP. CAP.	DOL.	0.10	5.26	<u>0.53</u>
SUBTOTAL, PRE-HARVEST				\$ 26.92
<b>HARVEST COSTS</b>				
CUSTOM COMBINE	ACRE	7.00	1.00	7.00
CUSTOM HAUL	CWT.	0.20	5.00	<u>1.00</u>
SUBTOTAL, HARVEST				\$ 8.00
TOTAL VARIABLE COST				\$ 34.92
<b>3. INCOME ABOVE VARIABLE COSTS</b>				
				\$ 52.58
<b>4. FIXED COSTS</b>				
MACHINERY	ACRE	3.18	1.00	3.18
TRACTORS	ACRE	4.71	1.00	4.71
LAND (NET RENT)	ACRE	26.50	1.00	<u>26.50</u>
TOTAL FIXED COSTS				\$ 34.38
<b>5. TOTAL COSTS</b>				
				\$ 69.31
<b>6. NET RETURNS</b>				
				\$ 18.19

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 1977

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

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
MCLDBOARD	6B TM	2.47 MAR	2.00	0.959	0.640	3.95	4.65
PACKER	TM	53 MAR	1.00	0.0	0.307	0.00	0.10
PICKUP 1/2 TON	10	MAR	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON	10	APR	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON	10	MAY	0.10	0.125	0.100	0.43	0.19
LISTER-PLNTBR	TM	3.37 JUNE	1.00	0.211	0.141	0.67	1.03
CULTIVATOR 8R	TM	4.34 JUNE	2.00	0.258	0.172	0.59	0.96
PICKUP 1/2 TON	10	JUNE	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON	10	JULY	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON	10	AUG	0.10	<del>0.125</del>	<del>0.100</del>	<del>0.43</del>	<del>0.19</del>
TOTALS				2.179	1.860	7.77	7.88

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 1977

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

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
VEGETABLES	CWT.	17.50	13.00	<u>227.50</u>
TOTAL				\$ 227.50
2. VARIABLE COSTS				\$
PREHARVEST				
SEED	LBS.	0.40	20.00	8.00
FERT(30-60-0)	ACRE	14.85	1.00	14.85
HERBICIDE	ACRE	5.25	1.00	5.25
MACHINERY	ACRE	3.47	1.00	3.47
TRACTORS	ACRE	4.41	1.00	4.41
IRRIGATION MACHINERY	ACRE	21.90	1.00	21.90
LABOR(TRACTOR & MACHINERY)	HOUR	3.50	2.29	8.00
LABOR(IRPIGATION)	HOUR	3.50	0.50	1.75
INTEREST ON OP. CAP.	DOL.	0.10	17.78	<u>1.78</u>
SUBTOTAL, PRE-HARVEST				\$ 69.41
HARVEST COSTS				\$
CUSTOM COMBINE	ACRE	7.50	1.00	7.50
CUSTOM HAUL	CWT.	0.20	13.00	<u>2.60</u>
SUBTOTAL, HARVEST				\$ 10.10
TOTAL VARIABLE COST				\$ 79.51
3. INCOME ABOVE VARIABLE COSTS				\$ 147.99
4. FIXED COSTS				\$
MACHINERY	ACRE	3.42	1.00	3.42
TRACTORS	ACRE	4.22	1.00	4.22
IRRIGATION MACHINERY	ACRE	24.70	1.00	24.70
LAND (NET RENT)	ACRE	58.12	1.00	<u>58.12</u>
TOTAL FIXED COSTS				\$ 90.46
5. TOTAL COSTS				\$ 169.97
6. NET RETURNS				\$ 57.53

DEEP BREAK EVERY 10 YEARS. LAND CHARGE BASED ON LANDLORD'S SHARE OF GROSS  
LESS 33% OF FERTILIZER, HAULING AND 50% OF IRRIGATION FIXED COSTS.  
PREPARED BY MARVIN SARTIN, TAEX, LUBBOCK, TEXAS PROJECTED 1977



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

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP.		FIXED COSTS PER ACRE
						PER ACRE	PER ACRE	
TANDEM DISC	TM	3,41	JAN	1.00	0.165	0.110	0.52	0.78
MOLDBOARD	68 TM	2,47	FEB	1.00	0.480	0.320	1.98	2.33
PACKER	TM	53	FEB	0.90	0.0	0.276	0.00	0.09
PICKUP 1/2 TON		10	FEB	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON		10	MAR	0.10	0.125	0.100	0.43	0.19
LISTER 8R	TM	2,55	APR	1.00	0.172	0.115	0.71	0.75
PICKUP 1/2 TON		10	APR	0.10	0.125	0.100	0.43	0.19
ROLLING CULT	TM	4,31	MAY	1.00	0.129	0.086	0.30	0.52
PICKUP 1/2 TON		10	MAY	0.10	0.125	0.100	0.43	0.19
BED PLANTER 8R	TM	3,39	JUNE	1.00	0.211	0.141	0.67	1.03
HERB SPR/DISC	TM	61	JUNE	1.00	0.0	0.157	0.00	0.15
CULTIVATOR 8R	TM	4,34	JUNE	1.00	0.129	0.086	0.29	0.48
PICKUP 1/2 TON		10	JUNE	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON		10	JULY	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON		10	AUG	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON		10	SEPT	0.10	<u>0.125</u>	<u>0.100</u>	<u>0.43</u>	<u>0.19</u>
<b>TOTALS</b>				<b>2.287</b>	<b>2.091</b>	<b>7.88</b>	<b>7.64</b>	

DEEP BREAK EVERY 10 YEARS. LAND CHARGE BASED ON LANDLORD'S SHARE OF GROUND LESS 33% OF FERTILIZER, HAULING AND 50% OF IRRIGATION FIXED COSTS.  
PREPARED BY MARVIN SARTIN, TAEX, LUBBOCK, TEXAS                      PROJECTED 1977

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.	0.30	30.00	9.00
FERT (20-40-40)	ACRE	14.40	1.00	14.40
MACHINERY	ACRE	2.50	1.00	2.50
TRACTORS	ACRE	4.29	1.00	4.29
LABOR (TRACTOR & MACHINERY)	HOUR	3.00	2.51	7.54
INTEREST ON OP. CAP.	DOL.	0.10	7.93	<u>0.79</u>
SUBTOTAL, PRE-HARVEST				\$ 38.51
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				\$ 50.11
3. BREAKEVEN PRICE, VARIABLE COSTS	CWT.			6.264
4. FIXED COSTS				\$
MACHINERY	ACRE	2.49	1.00	2.49
TRACTORS	ACRE	3.11	1.00	3.11
LAND (NET RENT)	ACRE	10.00	1.00	<u>10.00</u>
TOTAL FIXED COSTS				\$ 15.60
5. TOTAL COSTS				\$ 65.71
6. BREAKEVEN PRICE, TOTAL COSTS	CWT.			8.214

PREPARED BY DR. JAMES T. LONG, TAEX, OVERTON, TEXAS

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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., REP. PER ACRE	FIXED COSTS PER ACRE
TANDEM DISC	2,38	MAR	2.00	0.518	0.345	1.40	1.36
PICKUP	10	MAR	0.10	0.125	0.100	0.29	0.11
PICKUP	10	APR	0.10	0.125	0.100	0.29	0.11
TOOL BAR CULT.	2,56	MAY	1.00	0.322	0.215	0.89	0.79
PICKUP	10	MAY	0.10	0.125	0.100	0.29	0.11
PLANTER	2,48	JUNE	1.00	0.278	0.185	0.97	1.21
TOOL BAR CULT.	2,56	JUNE	2.00	0.644	0.430	1.78	1.58
PICKUP	10	JUNE	0.10	0.125	0.100	0.29	0.11
PICKUP	10	JULY	0.10	0.125	0.100	0.29	0.11
PICKUP	10	AUG	0.10	<u>0.125</u>	<u>0.100</u>	<u>0.29</u>	<u>0.11</u>
<b>TOTALS</b>				<b>2.512</b>	<b>1.775</b>	<b>6.78</b>	<b>5.60</b>

PREPARED BY DR. JAMES T. LONG, TAEX, OVERTON, TEXAS      PROJECTED 1977

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