

**PEANUTS, STRIP-TILLAGE, IRRIGATED  
4-ROW COMBINE, 6-ROW EQUIPMENT  
SOUTH GEORGIA, 2007**

**ESTIMATED COSTS AND RETURNS**

Expected Yield per Acre

1.85 Ton

YIELD: YOUR FARM \_\_\_\_\_

VARIABLE COSTS	Unit	Number of		\$/Unit	Cost/Acre	\$/Ton	Your Farm
		Units					
Seed	Lb.	115.00		\$ 0.52	\$ 59.80	\$ 32.32	_____
Inoculant	Lb.	5.00		\$ 1.40	\$ 7.00	\$ 3.78	_____
Cover Crop Seed	Bu.	1.50		\$ 5.00	\$ 7.50	\$ 4.05	_____
Lime/Gypsum	Ton	0.50		\$ 63.00	\$ 31.50	\$ 17.03	_____
Fertilizer							_____
Phospate (P2O5)	Lb.	20.00		\$ 0.31	\$ 6.20	\$ 3.35	_____
Potash (K2O)	Lb.	40.00		\$ 0.23	\$ 9.20	\$ 4.97	_____
Boron	Lb.	0.50		\$ 3.75	\$ 1.88	\$ 1.01	_____
Weed Control	Acre	1.00		\$ 52.06	\$ 52.06	\$ 28.14	_____
Insect Control	Acre	1.00		\$ 42.54	\$ 42.54	\$ 22.99	_____
Disease Control*	Acre	1.00		\$ 82.13	\$ 82.13	\$ 44.39	_____
<i>Machinery: Preharvest</i>							_____
Fuel	Gallon	5.31		\$ 2.25	\$ 11.95	\$ 6.46	_____
Repairs & Maintenance	Acre	1.00		\$ 7.91	\$ 7.91	\$ 4.28	_____
<i>Machinery: Harvest</i>							_____
Fuel	Gallon	10.29		\$ 2.25	\$ 23.16	\$ 12.52	_____
Repairs & Maintenance	Acre	1.00		\$ 19.74	\$ 19.74	\$ 10.67	_____
Irrigation**	Acre	4.00		\$ 10.50	\$ 42.00	\$ 22.70	_____
Labor	Hrs	2.36		\$ 10.00	\$ 23.60	\$ 12.76	_____
Crop Insurance	Dol.	1.00		\$ 15.00	\$ 15.00	\$ 8.11	_____
Land Rental	Acre	1.00		\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 221.58		8.00%	\$ 17.73	\$ 9.58	_____
Cleaning	Ton	0.62		\$ 10.50	\$ 6.47	\$ 3.50	_____
Drying	Ton	1.23		\$ 26.00	\$ 32.08	\$ 17.34	_____
GPC&GPPA State	Ton	1.85		\$ 3.00	\$ 5.55	\$ 3.00	_____
NPB Checkoff	Dol.	0.01		\$ 703.00	\$ 7.03	\$ 3.80	_____
<b>Total Variable Costs</b>					<b>\$ 512.02</b>	<b>\$ 276.77</b>	

**Fixed Costs:**

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00		\$ 21.65	\$ 21.65	\$ 11.71	_____
Harvest	Acre	1.00		\$ 70.10	\$ 70.10	\$ 37.89	_____
Irrigation	Acre	1.00		\$ 90.00	\$ 90.00	\$ 48.65	_____
General Overhead	% of VC	\$ 512.02		5.00%	\$ 25.60	\$ 13.84	_____
Management	% of VC	\$ 512.02		5.00%	\$ 25.60	\$ 13.84	_____
Etc.	Acre	1.00		\$ -	\$ -	\$ -	_____
Other _____							_____

**Total Fixed Costs** **\$ 232.95** **\$ 125.92**

**TOTAL COSTS AND PROFIT GOAL**

**Total Costs Excluding Land** **\$ 744.98** **\$ 402.69**

\*\*\*\* YOUR PROFIT GOAL \*\*\*\*

\$\$\$-PRICE NEEDED FOR PROFIT-\$\$\$ **\$ \_\_\_\_\_/Bu.**

\$\$\$-PRICE NEEDED FOR PROFIT-\$\$\$ **\$ \_\_\_\_\_/Bu.**

\*If soilborne disease threatens to be severe, additional application of soilborne fungicide may be recommended, add \$15-\$20 per spray. If leafspot threatens to become severe, additional application of chlorothalonil may be recommended at 3/4 pint with certain soilborne fungicides. A nematicide (where needed) = \$50-70 per acre.

\*\*Irrigation application assumes use of diesel power unit. Electric power unit is estimated to be 60% of the cost of \$2.25 per gal diesel.



**Sensitivity Analysis of PEANUTS, STRIP-TILLAGE, IRRIGATED**

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Ton)						
		-25%	-10%	Expected	+10%	+25%
	lbs					
	tons					
\$	340.00	\$ (40.27)	\$ 54.08	\$ 116.98	\$ 179.88	\$ 274.23
\$	355.00	\$ (19.46)	\$ 79.05	\$ 144.73	\$ 210.40	\$ 308.91
\$	370.00	\$ 1.35	\$ 104.03	\$ 172.48	\$ 240.93	\$ 343.60
\$	385.00	\$ 22.16	\$ 129.00	\$ 200.23	\$ 271.45	\$ 378.29
\$	400.00	\$ 42.98	\$ 153.98	\$ 227.98	\$ 301.98	\$ 412.98

**ESTIMATED LABOR AND MACHINERY COSTS PER ACRE**

PREHARVEST OPERATIONS							
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)	
Grain Drill15' with Tractor (120-139 hp)-2WD 130	15.909	1.00	0.06	0.42	1.46	4.00	
Spray (Broadcast)50' with Tractor (120-139 hp)-2WD 130	29.545	1.00	0.03	0.23	0.26	0.66	
Subsoiler low-till6 shank with Tractor (180-199 hp)-MFWD 190	8.809	1.00	0.11	1.11	1.42	4.46	
Plant & Pre Rigid6R-36 with Tractor (180-199 hp)-MFWD 190	9.218	1.00	0.11	1.06	1.90	5.32	
Spray (Broadcast)50' with Tractor (120-139 hp)-2WD 130	29.545	11.00	0.37	2.49	2.88	7.21	
<b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b>			<b>0.691</b>	<b>\$ 5.31</b>	<b>\$ 7.91</b>	<b>\$ 21.65</b>	

HARVEST OPERATIONS							
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)	
Peanut Digger & Inverter 4R 36" with Tractor (180-199 hp)-MFWD 190	3.56	1.00	0.28	2.74	\$ 3.24	\$ 13.96	
Pull-type Peanut Combine 4R 36" with Tractor (180-199 hp)-MFWD 190	2.18	1.00	0.46	4.48	\$ 14.03	\$ 47.07	
Peanut Wagon 21' with Tractor (120-139 hp)-2WD 130	2.18	1.00	0.46	3.07	\$ 2.46	\$ 9.07	
<b>Total Harvest Fuel, Repairs, Fixed Costs, and Labor</b>					<b>\$ -</b>	<b>\$ 70.10</b>	

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