

**PEANUTS, STRIP-TILLAGE, NON-IRRIGATED  
4-ROW COMBINE, 6-ROW EQUIPMENT  
SOUTH GEORGIA, 2009**

**ESTIMATED COSTS AND RETURNS**

Expected Yield per Acre

**1.35 Ton**

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

<b>Variable Costs:</b>	<b>Unit</b>	<b>Number of Units</b>	<b>\$/Unit</b>	<b>Cost/Acre</b>	<b>\$/Ton</b>	<b>Your Farm</b>
Seed	Lb.	125.00	\$ 0.85	\$ 106.25	\$ 78.70	_____
Inoculant	Lb.	5.00	\$ 1.40	\$ 7.00	\$ 5.19	_____
Cover Crop Seed	Bu.	1.50	\$ 11.00	\$ 16.50	\$ 12.22	_____
Lime/Gypsum*	Ton	0.50	\$ 108.00	\$ 54.00	\$ 40.00	_____
Fertilizer						
Phosphate (P2O5)	Lb.	20.00	\$ 0.74	\$ 14.80	\$ 10.96	_____
Potash (K2O)	Lb.	40.00	\$ 0.80	\$ 32.00	\$ 23.70	_____
Boron	Lb.	0.50	\$ 3.90	\$ 1.95	\$ 1.44	_____
Weed Control	Acre	1.00	\$ 78.72	\$ 78.72	\$ 58.31	_____
Insect Control	Acre	1.00	\$ 58.06	\$ 58.06	\$ 43.01	_____
Disease Control**	Acre	1.00	\$ 54.02	\$ 54.02	\$ 40.01	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	4.97	\$ 2.85	\$ 14.18	\$ 10.50	_____
Repairs & Maintenance	Acre	1.00	\$ 9.32	\$ 9.32	\$ 6.90	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	10.29	\$ 2.85	\$ 29.34	\$ 21.73	_____
Repairs & Maintenance	Acre	1.00	\$ 23.20	\$ 23.20	\$ 17.19	_____
Labor	Hrs	2.32	\$ 11.00	\$ 25.47	\$ 18.87	_____
Crop Insurance	Dol.	1.00	\$ 22.00	\$ 22.00	\$ 16.30	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 273.40	7.50%	\$ 20.51	\$ 15.19	_____
Cleaning	Ton	0.45	\$ 12.00	\$ 5.39	\$ 4.00	_____
Drying	Ton	0.90	\$ 30.00	\$ 27.01	\$ 20.01	_____
GPC&GPPA State	Ton	1.35	\$ 3.00	\$ 4.05	\$ 3.00	_____
NPB Checkoff	Dol.	0.01	\$ 607.50	\$ 6.08	\$ 4.50	_____
<b>Total Variable Costs</b>				<b>\$ 609.84</b>	<b>\$ 451.73</b>	

**Fixed Costs:**

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$ 22.23	\$ 22.23	\$ 16.47	_____
Harvest	Acre	1.00	\$ 82.04	\$ 82.04	\$ 60.77	_____
General Overhead	% of VC	\$ 609.84	5.00%	\$ 30.49	\$ 22.59	_____
Management	% of VC	\$ 609.84	5.00%	\$ 30.49	\$ 22.59	_____
Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
<b>Total Fixed Costs</b>				<b>\$ 165.26</b>	<b>\$ 122.42</b>	

**TOTAL COSTS AND PROFIT GOAL**

<b>Total Costs Excluding Land</b>	<b>\$ 775.10</b>	<b>\$ 574.15</b>
**** YOUR PROFIT GOAL ****	\$ _____/Bu.	
\$\$-PRICE NEEDED FOR PROFIT-\$\$	\$ _____/Bu.	

\*Lime application is prorated at 0.5 ton to equal 1.5 ton application every 3 years.

\*\*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 (\$3-\$5) with certain soilborne fungicides. A nematicide (where needed) = \$50-75 per acre.

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

NET RETURNS ABOVE VARIABLE COSTS PER ACRE					
Varying Prices and Yield (Ton)					
	-25%	-10%	Expected	+10%	+25%
Lbs/Acre	2025	2430	2700	2970	3375
Tons/Acre	1.0125	1.215	1.35	1.485	1.6875
\$375.00	\$ (230.15)	\$ (154.22)	\$ (103.59)	\$ (52.97)	\$ 22.97
\$400.00	\$ (204.84)	\$ (123.84)	\$ (69.84)	\$ (15.84)	\$ 65.16
\$425.00	\$ (179.53)	\$ (93.47)	\$ (36.09)	\$ 21.28	\$ 107.35
\$450.00	\$ (154.22)	\$ (63.09)	\$ (2.34)	\$ 58.41	\$ 149.53
\$475.00	\$ (128.90)	\$ (32.72)	\$ 31.41	\$ 95.53	\$ 191.72

**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	7.955	1.00	0.13	0.84	1.72	4.80
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.25	0.61
Subsoiler low-till6 shank with Tractor (180-199 hp)-MFWD 190	12.121	1.00	0.08	0.81	2.30	3.72
Plant & Pre Rigid6R-36 with Tractor (180-199 hp)-MFWD 190	9.218	1.00	0.11	1.06	2.26	6.35
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	11.00	0.31	2.08	2.79	6.75
<b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b>			<b>0.655</b>	<b>4.97</b>	<b>\$ 9.32</b>	<b>\$ 22.23</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	\$ 3.89	\$ 16.48
Pull-type Peanut Combine 4R 36" with Tractor (180-199 hp)-MFWD 190	2.18	1.00	0.46	4.48	\$ 16.72	\$ 56.05
Peanut Wagon 21' with Tractor (120-139 hp)-2WD 130	2.18	1.00	0.46	3.07	\$ 2.59	\$ 9.52
<b>Total Harvest Fuel, Repairs, Fixed Costs, and Labor</b>			<b>1.197</b>	<b>10.29</b>	<b>\$ 23.20</b>	<b>\$ 82.04</b>

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