

**PEANUTS, STRIP-TILLAGE, NON-IRRIGATED  
4-ROW COMBINE, 6-ROW EQUIPMENT  
SOUTH GEORGIA, 2010**

**ESTIMATED COSTS AND RETURNS**

Expected Yield per Acre

**1.40 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	\$ 0.75	\$ 93.75	\$ 66.96	_____
Inoculant	Lb.	5.00	\$ 1.40	\$ 7.00	\$ 5.00	_____
Cover Crop Seed	Bu.	1.50	\$ 11.00	\$ 16.50	\$ 11.79	_____
Lime/Gypsum*	Ton	0.50	\$ 79.99	\$ 40.00	\$ 28.57	_____
Fertilizer						
Phosphate (P2O5)	Lb.	0.00	\$ 0.25	\$ -	\$ -	_____
Potash (K2O)	Lb.	0.00	\$ 0.50	\$ -	\$ -	_____
Boron	Lb.	0.50	\$ 5.60	\$ 2.80	\$ 2.00	_____
Weed Control	Acre	1.00	\$ 77.21	\$ 77.21	\$ 55.15	_____
Insect Control	Acre	1.00	\$ 58.53	\$ 58.53	\$ 41.80	_____
Disease Control**	Acre	1.00	\$ 49.30	\$ 49.30	\$ 35.22	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	4.97	\$ 2.50	\$ 12.43	\$ 8.88	_____
Repairs & Maintenance	Acre	1.00	\$ 9.32	\$ 9.32	\$ 6.66	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	10.29	\$ 2.50	\$ 25.73	\$ 18.38	_____
Repairs & Maintenance	Acre	1.00	\$ 23.20	\$ 23.20	\$ 16.57	_____
Labor	Hrs	2.32	\$ 11.00	\$ 25.47	\$ 18.19	_____
Crop Insurance	Dol.	1.00	\$ 25.00	\$ 25.00	\$ 17.86	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 233.12	7.25%	\$ 16.90	\$ 12.07	_____
Cleaning	Ton	0.47	\$ 12.00	\$ 5.59	\$ 4.00	_____
Drying	Ton	0.93	\$ 30.00	\$ 28.01	\$ 20.01	_____
GPC&GPPA State	Ton	1.40	\$ 3.00	\$ 4.20	\$ 3.00	_____
NPB Checkoff	Dol.	0.01	\$ 630.00	\$ 6.30	\$ 4.50	_____
<b>Total Variable Costs</b>				<b>\$ 527.25</b>	<b>\$ 376.61</b>	
<b>Fixed Costs:</b>						
Machinery: Depreciation, Taxes, Insurance, and Housing						
Preharvest	Acre	1.00	\$ 22.23	\$ 22.23	\$ 15.88	_____
Harvest	Acre	1.00	\$ 82.04	\$ 82.04	\$ 58.60	_____
General Overhead	% of VC	\$ 527.25	5.00%	\$ 26.36	\$ 18.83	_____
Management	% of VC	\$ 527.25	5.00%	\$ 26.36	\$ 18.83	_____
Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						
<b>Total Fixed Costs</b>				<b>\$ 157.00</b>	<b>\$ 112.14</b>	
<b>TOTAL COSTS AND PROFIT GOAL</b>						
<b>Total Costs Excluding Land</b>				<b>\$ 684.25</b>	<b>\$ 488.75</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	2100	2520	2800	3080	3500
Tons/Acre	1.05	1.26	1.4	1.54	1.75
\$375.00	\$ (133.50)	\$ (54.75)	\$ (2.25)	\$ 50.25	\$ 129.00
\$400.00	\$ (107.25)	\$ (23.25)	\$ 32.75	\$ 88.75	\$ 172.75
\$425.00	\$ (81.00)	\$ 8.25	\$ 67.75	\$ 127.25	\$ 216.50
\$450.00	\$ (54.75)	\$ 39.75	\$ 102.75	\$ 165.75	\$ 260.25
\$475.00	\$ (28.50)	\$ 71.25	\$ 137.75	\$ 204.25	\$ 304.00

**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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