

**PEANUTS, NON-IRRIGATED  
4-ROW COMBINE, 6-ROW EQUIPMENT  
SOUTH GEORGIA, 2008**

**ESTIMATED COSTS AND RETURNS**

Expected Yield per Acre

1.35 Ton

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

Variable Costs:	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Ton	Your Farm
Seed	Lb.	115.00	\$ 0.65	\$ 74.75	\$ 55.37	_____
Inoculant	Lb.	5.00	\$ 1.40	\$ 7.00	\$ 5.19	_____
Lime/Gypsum*	Ton	0.50	\$ 82.00	\$ 41.00	\$ 30.37	_____
Fertilizer						
Phosphate (P2O5)	Lb.	20.00	\$ 0.40	\$ 8.00	\$ 5.93	_____
Potash (K2O)	Lb.	40.00	\$ 0.30	\$ 12.00	\$ 8.89	_____
Boron	Lb.	0.50	\$ 4.00	\$ 2.00	\$ 1.48	_____
Weed Control	Acre	1.00	\$ 46.34	\$ 46.34	\$ 34.33	_____
Insect Control	Acre	1.00	\$ 24.08	\$ 24.08	\$ 17.83	_____
Disease Control**	Acre	1.00	\$ 57.05	\$ 57.05	\$ 42.26	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	9.19	\$ 3.00	\$ 27.58	\$ 20.43	_____
Repairs & Maintenance	Acre	1.00	\$ 14.02	\$ 14.02	\$ 10.39	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	10.29	\$ 3.00	\$ 30.88	\$ 22.87	_____
Repairs & Maintenance	Acre	1.00	\$ 20.41	\$ 20.41	\$ 15.12	_____
Labor	Hrs	2.81	\$ 10.50	\$ 29.55	\$ 21.89	_____
Crop Insurance	Dol.	1.00	\$ 18.00	\$ 18.00	\$ 13.33	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 206.33	8.50%	\$ 17.54	\$ 12.99	_____
Cleaning	Ton	0.45	\$ 10.50	\$ 4.72	\$ 3.50	_____
Drying	Ton	0.90	\$ 27.00	\$ 24.31	\$ 18.01	_____
GPC&GPPA State	Ton	1.35	\$ 3.00	\$ 4.05	\$ 3.00	_____
NPB Checkoff	Dol.	0.01	\$ 675.00	\$ 6.75	\$ 5.00	_____
<b>Total Variable Costs</b>				<b>\$ 470.03</b>	<b>\$ 348.17</b>	
<b>Fixed Costs:</b>						
Machinery: Depreciation, Taxes, Insurance, and Housing						
Preharvest	Acre	1.00	\$ 40.55	\$ 40.55	\$ 30.04	_____
Harvest	Acre	1.00	\$ 72.66	\$ 72.66	\$ 53.82	_____
General Overhead	% of VC	\$ 470.03	5.00%	\$ 23.50	\$ 17.41	_____
Management	% of VC	\$ 470.03	5.00%	\$ 23.50	\$ 17.41	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
<b>Total Fixed Costs</b>				<b>\$ 160.22</b>	<b>\$ 118.68</b>	
<b>TOTAL COSTS AND PROFIT GOAL</b>						
<b>Total Costs Excluding Land</b>				<b>\$ 630.25</b>	<b>\$ 466.85</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 with certain soilborne fungicides. A nematicide (where needed) = \$50-70 per acre.

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

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Ton)						
		-25%	-10%	Average	+10%	+25%
	Lbs/Acre	2025	2430	2700	2970	3375
	Tons/Acre	1.0125	1.215	1.35	1.485	1.6875
\$375.00		\$ (90.34)	\$ (14.40)	\$ 36.22	\$ 86.85	\$ 162.78
\$400.00		\$ (65.03)	\$ 15.97	\$ 69.97	\$ 123.97	\$ 204.97
\$425.00		\$ (39.72)	\$ 46.35	\$ 103.72	\$ 161.10	\$ 247.16
\$450.00		\$ (14.40)	\$ 76.72	\$ 137.47	\$ 198.22	\$ 289.35
\$475.00		\$ 10.91	\$ 107.10	\$ 171.22	\$ 235.35	\$ 331.53

**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)
Heavy Disk27' with Tractor (180-199 hp)-MFWD 190	13.214	2.00	0.15	1.48	2.77	8.04
Plow 4 Bottom Switch6' with Tractor (180-199 hp)-MFWD 190	2.327	1.00	0.43	4.20	5.19	15.66
Disk & Incorporate32' with Tractor (180-199 hp)-MFWD 190	15.515	1.00	0.06	0.63	1.33	3.49
Field Cultivate32' with Tractor (180-199 hp)-MFWD 190	21.430	1.00	0.05	0.46	0.73	3.07
Plant & Pre Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.218	1.00	0.11	0.73	1.66	4.62
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	9.00	0.25	1.70	2.34	5.68
<b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b>			<b>1.054</b>	<b>9.19</b>	<b>\$ 14.02</b>	<b>\$ 40.55</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	\$ 3.26	\$ 14.27
Pull-type Peanut Combine 4R 36" with Tractor (180-199 hp)-MFWD 190	2.18	1.00	0.46	4.48	\$ 14.49	\$ 48.72
Peanut Wagon 21' with Tractor (120-139 hp)-2WD 130	2.18	1.00	0.46	3.07	\$ 2.65	\$ 9.67
<b>Total Harvest Fuel, Repairs, Fixed Costs, and Labor</b>			<b>1.197</b>	<b>10.29</b>	<b>\$ 20.41</b>	<b>\$ 72.66</b>

Prepared By: Nathan B Smith and Amanda R Ziehl, UGA Extension Economists, Department of Agricultural & Applied Economics

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