

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

**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	\$	0.65	\$ 74.75	\$ 40.41	_____
Inoculant	Lb.	5.00	\$	1.40	\$ 7.00	\$ 3.78	_____
Cover Crop Seed	Bu.	1.50	\$	11.00	\$ 16.50	\$ 8.92	_____
Lime/Gypsum*	Ton	0.50	\$	82.00	\$ 41.00	\$ 22.16	_____
Fertilizer							
Phosphate (P2O5)	Lb.	20.00	\$	0.40	\$ 8.00	\$ 4.32	_____
Potash (K2O)	Lb.	40.00	\$	0.30	\$ 12.00	\$ 6.49	_____
Boron	Lb.	0.50	\$	4.00	\$ 2.00	\$ 1.08	_____
Weed Control	Acre	1.00	\$	61.07	\$ 61.07	\$ 33.01	_____
Insect Control	Acre	1.00	\$	41.37	\$ 41.37	\$ 22.36	_____
Disease Control**	Acre	1.00	\$	87.03	\$ 87.03	\$ 47.05	_____
<i>Machinery: Preharvest</i>							
Fuel	Gallon	4.86	\$	3.00	\$ 14.57	\$ 7.88	_____
Repairs & Maintenance	Acre	1.00	\$	7.81	\$ 7.81	\$ 4.22	_____
<i>Machinery: Harvest</i>							
Fuel	Gallon	10.29	\$	3.00	\$ 30.88	\$ 16.69	_____
Repairs & Maintenance	Acre	1.00	\$	20.41	\$ 20.41	\$ 11.03	_____
Irrigation***	Acre	4.00	\$	13.50	\$ 54.00	\$ 29.19	_____
Labor	Hrs	2.28	\$	10.50	\$ 23.90	\$ 12.92	_____
Crop Insurance	Dol.	1.00	\$	14.00	\$ 14.00	\$ 7.57	_____
Land Rental	Acre	1.00	\$	-	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 258.14		8.50%	\$ 21.94	\$ 11.86	_____
Cleaning	Ton	0.62	\$	10.50	\$ 6.47	\$ 3.50	_____
Drying	Ton	1.23	\$	27.00	\$ 33.32	\$ 18.01	_____
GPC&GPPA State	Ton	1.85	\$	3.00	\$ 5.55	\$ 3.00	_____
NPB Checkoff	Dol.	0.01	\$	925.00	\$ 9.25	\$ 5.00	_____
<b>Total Variable Costs</b>					<b>\$ 592.81</b>	<b>\$ 320.44</b>	

**Fixed Costs:**

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$	20.90	\$ 20.90	\$ 11.30	_____
Harvest	Acre	1.00	\$	72.66	\$ 72.66	\$ 39.28	_____
Irrigation	Acre	1.00	\$	90.00	\$ 90.00	\$ 48.65	_____
General Overhead	% of VC	\$ 592.81		5.00%	\$ 29.64	\$ 16.02	_____
Management	% of VC	\$ 592.81		5.00%	\$ 29.64	\$ 16.02	_____
Etc.	Acre	1.00	\$	-	\$ -	\$ -	_____
Other _____							_____

**Total Fixed Costs**

**\$ 242.84 \$ 131.27**

**TOTAL COSTS AND PROFIT GOAL**

<b>Total Costs Excluding Land</b>	<b>\$ 835.65</b>	<b>\$ 451.70</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.

\*\*\*Irrigation application assumes use of diesel power unit. Electric power unit is estimated to be 50% of the cost of \$3.00 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/Acre	2775	3330	3700	4070	4625
	Tons/Acre	1.3875	1.665	1.85	2.035	2.3125
\$375.00		\$ (72.50)	\$ 31.57	\$ 100.94	\$ 170.32	\$ 274.38
\$400.00		\$ (37.81)	\$ 73.19	\$ 147.19	\$ 221.19	\$ 332.19
\$425.00		\$ (3.12)	\$ 114.82	\$ 193.44	\$ 272.07	\$ 390.00
\$450.00		\$ 31.57	\$ 156.44	\$ 239.69	\$ 322.94	\$ 447.82
\$475.00		\$ 66.25	\$ 198.07	\$ 285.94	\$ 373.82	\$ 505.63

**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	1.52	4.18
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.26	0.63
Subsoiler low-till6 shank with Tractor (180-199 hp)-MFWD 190	8.809	1.00	0.11	1.11	1.18	3.59
Plant & Pre Rigid6R-36 with Tractor (180-199 hp)-MFWD 190	9.218	1.00	0.11	1.06	1.98	5.56
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	11.00	0.31	2.08	2.87	6.94
<b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b>			<b>0.623</b>	<b>4.86</b>	<b>\$ 7.81</b>	<b>\$ 20.90</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: Amanda R Ziehl and Nathan B Smith, UGA Extension Economists, Department of Agricultural & Applied Economics

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