

**PEANUTS, 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	_____
Lime/Gypsum	Ton	0.50	\$	63.00	\$ 31.50	\$ 17.03	_____
Fertilizer							
Phosphate (P2O5)	Lb.	20.00	\$	0.31	\$ 6.20	\$ 3.35	_____
Potash (K2O)	Lb.	40.00	\$	0.23	\$ 9.20	\$ 4.97	_____
Boron	Lb.	0.5	\$	3.75	\$ 1.88	\$ 1.01	_____
Weed Control	Acre	1.00	\$	42.26	\$ 42.26	\$ 22.84	_____
Insect Control	Acre	1.00	\$	42.54	\$ 42.54	\$ 22.99	_____
Disease Control*	Acre	1.00	\$	88.13	\$ 88.13	\$ 47.64	_____
<i>Machinery: Preharvest</i>							
Fuel	Gallon	9.19	\$	2.25	\$ 20.69	\$ 11.18	_____
Repairs & Maintenance	Acre	1.00	\$	13.79	\$ 13.79	\$ 7.45	_____
<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	5.00	\$	10.50	\$ 52.50	\$ 28.38	_____
Labor	Hrs	2.81	\$	10.00	\$ 28.15	\$ 15.21	_____
Crop Insurance	Dol.	1.00	\$	15.00	\$ 15.00	\$ 8.11	_____
Land Rental	Acre	1.00			\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 230.76		8.00%	\$ 18.46	\$ 9.98	_____
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	_____
Total Variable Costs					\$ 531.12	\$ 287.09	

Fixed Costs:

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$	39.92	\$ 39.92	\$ 21.58	_____
Harvest	Acre	1.00	\$	70.10	\$ 70.10	\$ 37.89	_____
Irrigation	Acre	1.00	\$	90.00	\$ 90.00	\$ 48.65	_____
General Overhead	% of VC	\$ 531.12		5.00%	\$ 26.56	\$ 14.35	_____
Management	% of VC	\$ 531.12		5.00%	\$ 26.56	\$ 14.35	_____
Etc.	Acre	1.00	\$	-	\$ -	\$ -	_____
Other _____							

Total Fixed Costs **\$ 253.13** **\$ 136.83**

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land **\$ 784.25** **\$ 423.92**

**** YOUR PROFIT GOAL **** \$ _____/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, IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Ton)						
		-25%	-10%	Expected	+10%	+25%
Lbs		2775	3330	3700	4070	4625
Tons		1.3875	1.665	1.85	2.035	2.3125
\$	340.00	\$ (59.37)	\$ 34.98	\$ 97.88	\$ 160.78	\$ 255.13
\$	355.00	\$ (38.56)	\$ 59.95	\$ 125.63	\$ 191.30	\$ 289.82
\$	370.00	\$ (17.75)	\$ 84.93	\$ 153.38	\$ 221.83	\$ 324.50
\$	385.00	\$ 3.07	\$ 109.90	\$ 181.13	\$ 252.35	\$ 359.19
\$	400.00	\$ 23.88	\$ 134.88	\$ 208.88	\$ 282.88	\$ 393.88

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	2.81	8.16	
Plow 4 Bottom Switch6' with Tractor (180-199 hp)-MFWD 190	2.327	1.00	0.43	4.20	5.26	15.87	
Disk & Incorporate32' with Tractor (180-199 hp)-MFWD 190	15.515	1.00	0.06	0.63	1.28	3.38	
Field Cultivate32' with Tractor (180-199 hp)-MFWD 190	21.430	1.00	0.05	0.46	0.71	2.97	
Plant & Pre Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.218	1.00	0.11	0.73	1.52	4.23	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	9.00	0.25	1.70	2.20	5.31	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			1.054	\$ 9.19	\$ 13.79	\$ 39.92	

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	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			1.197	\$ 10.29	\$ 19.74	\$ 70.10	

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