

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

ESTIMATED COSTS AND RETURNS

Expected Yield per Acre **2.00** Ton YIELD: YOUR FARM _____

Variable Costs:	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Ton	Your Farm
Seed	Lb.	125.00	\$ 0.75	\$ 93.75	\$ 46.88	_____
Inoculant	Lb.	5.00	\$ 1.40	\$ 7.00	\$ 3.50	_____
Lime/Gypsum*	Ton	0.50	\$ 79.99	\$ 40.00	\$ 20.00	_____
Fertilizer						
Phosphate (P2O5)	Lb.	0.00	\$ 0.25	\$ -	\$ -	_____
Potash (K2O)	Lb.	0.00	\$ 0.50	\$ -	\$ -	_____
Boron	Lb.	0.5	\$ 5.60	\$ 2.80	\$ 1.40	_____
Weed Control	Acre	1.00	\$ 38.44	\$ 38.44	\$ 19.22	_____
Insect Control	Acre	1.00	\$ 58.53	\$ 58.53	\$ 29.26	_____
Disease Control**	Acre	1.00	\$ 87.48	\$ 87.48	\$ 43.74	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	9.19	\$ 2.50	\$ 22.98	\$ 11.49	_____
Repairs & Maintenance	Acre	1.00	\$ 15.47	\$ 15.47	\$ 7.74	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	10.29	\$ 2.50	\$ 25.73	\$ 12.87	_____
Repairs & Maintenance	Acre	1.00	\$ 23.20	\$ 23.20	\$ 11.60	_____
Irrigation***	Acre	5.00	\$ 9.00	\$ 45.00	\$ 22.50	_____
Labor	Hrs	2.81	\$ 11.00	\$ 30.96	\$ 15.48	_____
Crop Insurance	Dol.	1.00	\$ 20.00	\$ 20.00	\$ 10.00	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 255.67	7.25%	\$ 18.54	\$ 9.27	_____
Cleaning	Ton	0.67	\$ 12.00	\$ 7.99	\$ 4.00	_____
Drying	Ton	1.33	\$ 30.00	\$ 40.02	\$ 20.01	_____
GPC&GPPA State	Ton	2.00	\$ 3.00	\$ 6.00	\$ 3.00	_____
NPB Checkoff	Dol.	0.01	\$ 900.00	\$ 9.00	\$ 4.50	_____
Total Variable Costs				\$ 592.90	\$ 296.45	_____

Fixed Costs:						
<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 44.79	\$ 44.79	\$ 22.40	_____
Harvest	Acre	1.00	\$ 82.04	\$ 82.04	\$ 41.02	_____
Irrigation	Acre	1.00	\$ 100.00	\$ 100.00	\$ 50.00	_____
General Overhead	% of VC	\$ 592.90	5.00%	\$ 29.64	\$ 14.82	_____
Management	% of VC	\$ 592.90	5.00%	\$ 29.64	\$ 14.82	_____
Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
Total Fixed Costs				\$ 286.13	\$ 143.06	_____

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land	\$ 879.03	\$ 439.51
**** 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.

***Average of diesel and electric irrigation application costs. Electric is estimated to be \$6/application and diesel is estimated to be \$12/application at \$2.50/gallon diesel.

Sensitivity Analysis of PEANUTS, IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Ton)						
	Lbs/Acre	-25%	-10%	Expected	+10%	+25%
	Tons/Acre	3000	3600	4000	4400	5000
		1.5	1.8	2	2.2	2.5
\$375.00		\$ (30.40)	\$ 82.10	\$ 157.10	\$ 232.10	\$ 344.60
\$400.00		\$ 7.10	\$ 127.10	\$ 207.10	\$ 287.10	\$ 407.10
\$425.00		\$ 44.60	\$ 172.10	\$ 257.10	\$ 342.10	\$ 469.60
\$450.00		\$ 82.10	\$ 217.10	\$ 307.10	\$ 397.10	\$ 532.10
\$475.00		\$ 119.60	\$ 262.10	\$ 357.10	\$ 452.10	\$ 594.60

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	3.03	8.81
Plow 4 Bottom Switch6' with Tractor (180-199 hp)-MFWD 190	2.327	1.00	0.43	4.20	6.12	18.40
Disk & Incorporate32' with Tractor (180-199 hp)-MFWD 190	15.515	1.00	0.06	0.63	1.53	4.02
Field Cultivate32' with Tractor (180-199 hp)-MFWD 190	21.430	1.00	0.05	0.46	0.81	3.30
Plant & Pre Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.218	1.00	0.11	0.73	1.71	4.73
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	9.00	0.25	1.70	2.28	5.53
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			1.054	9.19	\$ 15.47	\$ 44.79

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
					\$ -	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			1.197	10.29	\$ 23.20	\$ 82.04

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

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