

**PEANUTS, 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 Units	\$/Unit	Cost/Acre	\$/Ton	Your Farm
Seed	Lb.	115.00	\$ 0.65	\$ 74.75	\$ 40.41	_____
Inoculant	Lb.	5.00	\$ 1.40	\$ 7.00	\$ 3.78	_____
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.	0.5	\$ 4.00	\$ 2.00	\$ 1.08	_____
Weed Control	Acre	1.00	\$ 46.34	\$ 46.34	\$ 25.05	_____
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	9.19	\$ 3.00	\$ 27.58	\$ 14.91	_____
Repairs & Maintenance	Acre	1.00	\$ 14.02	\$ 14.02	\$ 7.58	_____
<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	5.00	\$ 13.50	\$ 67.50	\$ 36.49	_____
Labor	Hrs	2.81	\$ 10.50	\$ 29.55	\$ 15.98	_____
Crop Insurance	Dol.	1.00	\$ 14.00	\$ 14.00	\$ 7.57	_____
Land Rental	Acre	1.00	-	-	-	_____
Interest on Operating capital	Percent	\$ 261.72	8.50%	\$ 22.25	\$ 12.02	_____
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	_____
Total Variable Costs				\$ 600.27	\$ 324.47	_____
Fixed Costs:						
<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 40.55	\$ 40.55	\$ 21.92	_____
Harvest	Acre	1.00	\$ 72.66	\$ 72.66	\$ 39.28	_____
Irrigation	Acre	1.00	\$ 90.00	\$ 90.00	\$ 48.65	_____
General Overhead	% of VC	\$ 600.27	5.00%	\$ 30.01	\$ 16.22	_____
Management	% of VC	\$ 600.27	5.00%	\$ 30.01	\$ 16.22	_____
Etc.	Acre	1.00	-	-	-	_____
Other _____						_____
Total Fixed Costs				\$ 263.24	\$ 142.29	_____
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 863.51	\$ 466.76	_____
**** 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. diesel.

Sensitivity Analysis of PEANUTS, 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	\$ (79.96)	\$ 24.11	\$ 93.48	\$ 162.86	\$ 266.92
\$400.00	\$ (45.27)	\$ 65.73	\$ 139.73	\$ 213.73	\$ 324.73
\$425.00	\$ (10.58)	\$ 107.36	\$ 185.98	\$ 264.61	\$ 382.54
\$450.00	\$ 24.11	\$ 148.98	\$ 232.23	\$ 315.48	\$ 440.36
\$475.00	\$ 58.79	\$ 190.61	\$ 278.48	\$ 366.36	\$ 498.17

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
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			1.054	9.19	\$ 14.02	\$ 40.55

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
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			1.197	10.29	\$ 20.41	\$ 72.66

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

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