

**PEANUTS, IRRIGATED
4-ROW COMBINE, 6-ROW EQUIPMENT
SOUTH GEORGIA, 2009**

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.	125.00	\$ 0.85	\$ 106.25	\$ 57.43	_____
Inoculant	Lb.	5.00	\$ 1.40	\$ 7.00	\$ 3.78	_____
Lime/Gypsum*	Ton	0.50	\$ 108.00	\$ 54.00	\$ 29.19	_____
Fertilizer						
Phosphate (P2O5)	Lb.	20.00	\$ 0.74	\$ 14.80	\$ 8.00	_____
Potash (K2O)	Lb.	40.00	\$ 0.80	\$ 32.00	\$ 17.30	_____
Boron	Lb.	0.5	\$ 3.90	\$ 1.95	\$ 1.05	_____
Weed Control	Acre	1.00	\$ 62.09	\$ 62.09	\$ 33.56	_____
Insect Control	Acre	1.00	\$ 58.06	\$ 58.06	\$ 31.39	_____
Disease Control**	Acre	1.00	\$ 93.73	\$ 93.73	\$ 50.66	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	9.19	\$ 2.85	\$ 26.20	\$ 14.16	_____
Repairs & Maintenance	Acre	1.00	\$ 15.47	\$ 15.47	\$ 8.36	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	10.29	\$ 2.85	\$ 29.34	\$ 15.86	_____
Repairs & Maintenance	Acre	1.00	\$ 23.20	\$ 23.20	\$ 12.54	_____
Irrigation***	Acre	5.00	\$ 9.55	\$ 47.75	\$ 25.81	_____
Labor	Hrs	2.81	\$ 11.00	\$ 30.96	\$ 16.74	_____
Crop Insurance	Dol.	1.00	\$ 20.00	\$ 20.00	\$ 10.81	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 311.41	7.50%	\$ 23.36	\$ 12.62	_____
Cleaning	Ton	0.62	\$ 12.00	\$ 7.39	\$ 4.00	_____
Drying	Ton	1.23	\$ 30.00	\$ 37.02	\$ 20.01	_____
GPC&GPPA State	Ton	1.85	\$ 3.00	\$ 5.55	\$ 3.00	_____
NPB Checkoff	Dol.	0.01	\$ 832.50	\$ 8.33	\$ 4.50	_____
Total Variable Costs				\$ 704.45	\$ 380.78	
Fixed Costs:						
<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 44.79	\$ 44.79	\$ 24.21	_____
Harvest	Acre	1.00	\$ 82.04	\$ 82.04	\$ 44.35	_____
Irrigation	Acre	1.00	\$ 100.00	\$ 100.00	\$ 54.05	_____
General Overhead	% of VC	\$ 704.45	5.00%	\$ 35.22	\$ 19.04	_____
Management	% of VC	\$ 704.45	5.00%	\$ 35.22	\$ 19.04	_____
Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
Total Fixed Costs				\$ 297.28	\$ 160.69	
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 1,001.74	\$ 541.48	
**** 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 \$13.10/application at \$2.85/gallon 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	\$ (184.14)	\$ (80.08)	\$ (10.70)	\$ 58.67	\$ 162.74
\$400.00	\$ (149.45)	\$ (38.45)	\$ 35.55	\$ 109.55	\$ 220.55
\$425.00	\$ (114.76)	\$ 3.17	\$ 81.80	\$ 160.42	\$ 278.36
\$450.00	\$ (80.08)	\$ 44.80	\$ 128.05	\$ 211.30	\$ 336.17
\$475.00	\$ (45.39)	\$ 86.42	\$ 174.30	\$ 262.17	\$ 393.99

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

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