

**PEANUTS, STRIP-TILLAGE, 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		\$/Unit	Cost/Acre	\$/Ton	Your Farm
		Units					
Seed	Lb.	125.00		\$ 0.85	\$ 106.25	\$ 57.43	_____
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		\$ 105.00	\$ 52.50	\$ 28.38	_____
Fertilizer							
Phosphate (P2O5)	Lb.	0.00		\$ 0.30	\$ -	\$ -	_____
Potash (K2O)	Lb.	0.00		\$ 0.70	\$ -	\$ -	_____
Boron	Lb.	0.50		\$ 3.50	\$ 1.75	\$ 0.95	_____
Weed Control	Acre	1.00		\$ 78.72	\$ 78.72	\$ 42.55	_____
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	4.97		\$ 2.25	\$ 11.19	\$ 6.05	_____
Repairs & Maintenance	Acre	1.00		\$ 9.32	\$ 9.32	\$ 5.04	_____
<i>Machinery: Harvest</i>							
Fuel	Gallon	10.29		\$ 2.25	\$ 23.16	\$ 12.52	_____
Repairs & Maintenance	Acre	1.00		\$ 23.20	\$ 23.20	\$ 12.54	_____
Irrigation***	Acre	4.00		\$ 8.25	\$ 33.00	\$ 17.84	_____
Labor	Hrs	2.32		\$ 11.00	\$ 25.47	\$ 13.77	_____
Crop Insurance	Dol.	1.00		\$ 16.50	\$ 16.50	\$ 8.92	_____
Land Rental	Acre	1.00		\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 278.18		7.50%	\$ 20.86	\$ 11.28	_____
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					\$ 635.50	\$ 343.51	

Fixed Costs:

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00		\$ 22.23	\$ 22.23	\$ 12.02	_____
Harvest	Acre	1.00		\$ 82.04	\$ 82.04	\$ 44.35	_____
Irrigation	Acre	1.00		\$ 100.00	\$ 100.00	\$ 54.05	_____
General Overhead	% of VC	\$ 635.50		5.00%	\$ 31.78	\$ 17.18	_____
Management	% of VC	\$ 635.50		5.00%	\$ 31.78	\$ 17.18	_____
Etc.	Acre	1.00		\$ -	\$ -	\$ -	_____
Other _____							_____

Total Fixed Costs

\$ 267.83 \$ 144.77

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land \$ 903.33 \$ 488.29

**** 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 \$10.50/application at \$2.25/gallon 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	\$ (115.19)	\$ (11.13)	\$ 58.25	\$ 127.62	\$ 231.69	
\$400.00	\$ (80.50)	\$ 30.50	\$ 104.50	\$ 178.50	\$ 289.50	
\$425.00	\$ (45.81)	\$ 72.12	\$ 150.75	\$ 229.37	\$ 347.31	
\$450.00	\$ (11.13)	\$ 113.75	\$ 197.00	\$ 280.25	\$ 405.12	
\$475.00	\$ 23.56	\$ 155.37	\$ 243.25	\$ 331.12	\$ 462.94	

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	7.955	1.00	0.13	0.84	1.72	4.80
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.25	0.61
Subsoiler low-till6 shank with Tractor (180-199 hp)-MFWD 190	12.121	1.00	0.08	0.81	2.30	3.72
Plant & Pre Rigid6R-36 with Tractor (180-199 hp)-MFWD 190	9.218	1.00	0.11	1.06	2.26	6.35
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	11.00	0.31	2.08	2.79	6.75
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.655	4.97	\$ 9.32	\$ 22.23

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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