

**PEANUTS, IRRIGATED  
4-ROW COMBINE, 6-ROW EQUIPMENT  
SOUTH GEORGIA, 2006**

**ESTIMATED COSTS AND RETURNS**

Expected Yield per Acre

**1.75 Ton**

YIELD: YOUR FARM \_\_\_\_\_

VARIABLE COSTS	Unit	Number of		\$/Unit	Cost/Acre	\$/Ton	Your Farm
		Units					
Seed	Lb.	115.00	\$	0.52	\$ 59.80	\$ 34.17	_____
Inoculant	Lb.	5.00	\$	1.00	\$ 5.00	\$ 2.86	_____
Lime/Gypsum	Ton	0.50	\$	55.00	\$ 27.50	\$ 15.71	_____
Fertilizer							_____
Phospate (P2O5)	Lb.	20.00	\$	0.32	\$ 6.40	\$ 3.66	_____
Potash (K2O)	Lb.	40.00	\$	0.24	\$ 9.60	\$ 5.49	_____
Boron	Lb.	0.50	\$	2.50	\$ 1.50	\$ 0.86	_____
Weed Control	Acre	1.00	\$	40.11	\$ 40.11	\$ 22.92	_____
Insect Control	Acre	1.00	\$	42.29	\$ 42.29	\$ 24.17	_____
Disease Control	Acre	1.00	\$	89.87	\$ 89.87	\$ 51.35	_____
<i>Machinery: Preharvest</i>							_____
Fuel	Gallon	9.48	\$	2.25	\$ 21.33	\$ 12.19	_____
Repairs & Maintenance	Acre	1.00	\$	11.79	\$ 11.79	\$ 6.74	_____
<i>Machinery: Harvest</i>							_____
Fuel	Gallon	9.10	\$	2.25	\$ 20.48	\$ 11.71	_____
Repairs & Maintenance	Acre	1.00	\$	16.03	\$ 16.03	\$ 9.16	_____
Irrigation	Acre	5.00	\$	10.50	\$ 52.50	\$ 30.00	_____
Labor	Hrs	2.66	\$	9.80	\$ 26.09	\$ 14.91	_____
Crop Insurance	Dol.	1.00	\$	15.00	\$ 15.00	\$ 8.57	_____
Land Rental	Acre	1.00			\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 222.65		7.50%	\$ 16.70	\$ 9.54	_____
Cleaning	Ton	0.58		\$10.00	\$ 5.83	\$ 3.33	_____
Drying	Ton	1.17		\$25.00	\$ 29.18	\$ 16.68	_____
GPC&GPPA State	Ton	1.75		\$3.00	\$ 5.25	\$ 3.00	_____
NPB Checkoff	Dol.	0.01	\$	630.00	\$ 6.30	\$ 3.60	_____
<b>Total Variable Costs</b>					<b>\$ 508.55</b>	<b>\$ 290.60</b>	

**Fixed Costs:**

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$	32.34	\$ 32.34	\$ 18.48	_____
Harvest	Acre	1.00	\$	54.13	\$ 54.13	\$ 30.93	_____
Irrigation	Acre	1.00	\$	85.00	\$ 85.00	\$ 48.57	_____
General Overhead	% of VC	508.55		5.00%	\$ 25.43	\$ 14.53	_____
Management	% of VC	508.55		5.00%	\$ 25.43	\$ 14.53	_____
Etc.	Acre	1.00	\$	-	\$ -	\$ -	_____
Other _____							_____

**Total Fixed Costs** **\$ 222.33** **\$ 127.05**

**TOTAL COSTS AND PROFIT GOAL**

**Total Costs Excluding Land** **\$ 730.88** **\$ 417.65**

\*\*\*\* 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.

### Sensitivity Analysis of PEANUTS, IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Ton)						
		-25%	-10%	Expected	+10%	+25%
Lbs Tons		2625 1.3125	3150 1.575	3500 1.75	3850 1.925	4375 2.1875
\$	340.00	\$ (62.30)	\$ 26.95	\$ 86.45	\$ 145.95	\$ 235.20
\$	355.00	\$ (42.61)	\$ 50.57	\$ 112.70	\$ 174.82	\$ 268.01
\$	370.00	\$ (22.93)	\$ 74.20	\$ 138.95	\$ 203.70	\$ 300.82
\$	385.00	\$ (3.24)	\$ 97.82	\$ 165.20	\$ 232.57	\$ 333.64
\$	400.00	\$ 16.45	\$ 121.45	\$ 191.45	\$ 261.45	\$ 366.45

### ESTIMATED LABOR AND MACHINERY COSTS PER ACRE

Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)
<b>PREHARVEST OPERATIONS</b>						
Disk Harrow 32' with Tractor (180-199 hp)- MFWD 190	16.291	2.00	0.12	1.20	1.81	5.02
Plow 4 Bottom Switch 6' with Tractor (180-199 hp)-MFWD 190	2.327	1.00	0.43	4.20	4.67	13.47
Disk & Incorporate 32' with Tractor (180-199 hp)-MFWD 190	15.515	1.00	0.06	0.63	1.07	2.69
Field Cultivate 32' with Tractor (180-199 hp)- MFWD 190	21.430	1.00	0.05	0.46	0.52	1.90
Plant & Pre Rigid 6R-36 with Tractor (120-139 hp)-2WD 130	9.218	1.00	0.11	0.73	1.36	3.61
Spray (Broadcast) 36' with Tractor (120-139 hp)-2WD 130	23.636	8.00	0.34	2.26	2.36	5.66
<b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b>			<b>1.111</b>	<b>\$ 9.48</b>	<b>\$ 11.79</b>	<b>\$ 32.34</b>

<b>HARVEST OPERATIONS</b>						
					\$	-
Peanut Digger & Inverter 4R 36" with Tractor (180-199 hp)-MFWD 190	3.56	1.00	0.28	2.74	\$ 2.85	\$ 11.72
Pull-type Peanut Combine 4R 36" with Tractor (180-199 hp)-MFWD 190	2.18	1.00	0.46	4.48	\$ 11.82	\$ 37.91
Peanut Wagon 14' with Tractor (120-139 hp)- 2WD 130	3.56	1.00	0.28	1.88	\$ 1.36	\$ 4.50
					\$	-
<b>Total Harvest Fuel, Repairs, Fixed Costs, and Labor</b>			<b>1.020</b>	<b>\$ 9.10</b>	<b>\$ 16.03</b>	<b>\$ 54.13</b>

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