

**Peanut, Non Irrigated, Strip Tillage
4-Row Combine, 6-Row Equipment
South Georgia, 2011**

Estimated Costs and Returns

Expected Yield: **1.4 Ton**

Yield on your farm: _____

Variable Costs	Unit	Amount	\$/Unit	Cost/Acre	\$/Ton	Your Farm
Seed	pound	130	\$ 0.75	\$ 97.50	\$ 69.64	_____
Inoculant	pound	5	\$ 1.40	\$ 7.00	\$ 5.00	_____
Cover Crop Seed	bushel	1.5	\$ 16.50	\$ 24.75	\$ 17.68	_____
Lime/Gypsum ^a	ton	0.5	\$ 98.50	\$ 49.25	\$ 35.18	_____
Fertilizer						
<i>Phosphate</i>	pound	0	\$ 0.45	\$ -	\$ -	_____
<i>Potash</i>	pound	0	\$ 0.50	\$ -	\$ -	_____
<i>Boron</i>	pound	0.5	\$ 6.25	\$ 3.13	\$ 2.23	_____
Weed Control	acre	1	\$ 69.10	\$ 69.10	\$ 49.36	_____
Insect Control	acre	1	\$ 54.50	\$ 54.50	\$ 38.93	_____
Disease Control ^b	acre	1	\$ 41.92	\$ 41.92	\$ 29.94	_____
Preharvest Machinery						
<i>Fuel</i>	gallon	5.2	\$ 2.85	\$ 14.84	\$ 10.60	_____
<i>Repairs and Maintenance</i>	acre	1	\$ 9.05	\$ 9.05	\$ 6.47	_____
Harvest Machinery						
<i>Fuel</i>	gallon	12.0	\$ 2.85	\$ 34.29	\$ 24.49	_____
<i>Repairs and Maintenance</i>	acre	1	\$ 26.56	\$ 26.56	\$ 18.97	_____
Labor	hour	2.6	\$ 11.25	\$ 28.88	\$ 20.63	_____
Crop Insurance ^c	acre	1	\$ 34.50	\$ 34.50	\$ 24.64	_____
Land Rent	acre	1	\$ -	\$ -	\$ -	_____
Interest on Operating Capital	percent	\$ 247.63	6.5%	\$ 16.10	\$ 11.50	_____
Cleaning	ton	0.5	\$ 12.00	\$ 5.60	\$ 4.00	_____
Drying	ton	0.9	\$ 30.00	\$ 28.00	\$ 20.00	_____
GPC & GPPA State	ton	1.4	\$ 3.00	\$ 4.20	\$ 3.00	_____
NPB Checkoff	dollars	\$ 0.01	497	\$ 4.97	\$ 3.55	_____
Total Variable Costs:				\$ 554.13	\$ 395.81	
Fixed Costs						
Machinery Depreciation, Taxes, Insurance and Housing						
<i>Preharvest Machinery</i>	acre	1	\$ 24.40	\$ 24.40	\$ 17.43	_____
<i>Harvest Machinery</i>	acre	1	\$ 82.93	\$ 82.93	\$ 59.24	_____
General Overhead	% of VC	\$ 554.13	5%	\$ 27.71	\$ 19.79	_____
Management	% of VC	\$ 554.13	5%	\$ 27.71	\$ 19.79	_____
Owned Land Cost, Taxes, Cash Payment, etc.	acre	1	\$ -	\$ -	\$ -	_____
Other _____	acre	1	\$ -	\$ -	\$ -	_____
Total Fixed Costs				\$ 162.75	\$ 116.25	
Total Costs Excluding Land				\$ 716.88	\$ 512.05	
Your Profit Goal				\$ _____	/Ton	
Price Needed for Profit				\$ _____	/Ton	

^a Lime/gypsum application is prorated at 0.5 ton to equal 1.5 ton application every 3 years.

^b If soilborne disease threatens to be severe, additional application of soilborne fungicide may be recommended, add \$15-20/spray. If leafspot threatens to be severe, additional application of chlorothalonil may be recommended at 3/4 pint (\$3-5/ac). A nematicide (where needed) = \$50-75/ac.

^c Assumes Yield Protection at 70% coverage. Revenue Protection at 70% coverage adds \$4-9/ac.

Sensitivity Analysis of Peanut, Non Irrigated, Strip Tillage

Net Returns Above Variable Costs Per Acre						
Varying Prices and Yields (Ton)						
		-25%	-10%	Expected	+10%	+25%
		2,100	2,520	2,800	3,080	3,500
Price	Pounds/Acre Ton/Acre	1.1	1.3	1.4	1.5	1.8
\$375		-\$160.38	-\$81.63	-\$29.13	\$23.37	\$102.12
\$425		-\$107.88	-\$18.63	\$40.87	\$100.37	\$189.62
\$475		-\$55.38	\$44.37	\$110.87	\$177.37	\$277.12
\$525		-\$2.88	\$107.37	\$180.87	\$254.37	\$364.62
\$575		\$49.62	\$170.37	\$250.87	\$331.37	\$452.12

Estimated Labor and Machinery Costs per Acre

Preharvest Operations

Operation	Acres/ Hour	Number of Times Over	Labor Use ^d (hrs/ac)	Fuel Use (gal/ac)	Repairs (\$/ac)	Fixed Costs (\$/ac)
Grain Drill 15' with Tractor (120-139 hp) 2WD 130	8.0	1	0.16	0.84	\$ 1.79	\$ 5.00
Spray (Broadcast) 60' with Tractor (120-139 hp) 2WD 130	35.5	1	0.04	0.19	\$ 0.30	\$ 0.71
Subsoiler low-till 6 shank with Tractor (180-199 hp) MFWD 190	9.8	1	0.13	1.00	\$ 1.44	\$ 4.59
Plant & Pre-Rigid 6R-36 with Tractor (180-199 hp) MFWD 190	8.9	1	0.14	1.10	\$ 2.23	\$ 6.26
Spray (Broadcast) 60' with Tractor (120-139 hp) 2WD 130	35.5	11	0.39	2.08	\$ 3.29	\$ 7.84
Total Preharvest Values			0.85	5.21	\$ 9.05	\$ 24.40

Harvest Operations

Operation	Acres/ Hour	Number of Times Over	Labor Use ^d (hrs/ac)	Fuel Use (gal/ac)	Repairs (\$/ac)	Fixed Costs (\$/ac)
Peanut Dig/Inverter 4R-36 with Tractor (180-199 hp) MFWD 190	2.2	1	0.57	4.48	\$ 6.56	\$ 16.13
Pull-type Peanut Combine 4R-36 with Tractor (180-199 hp) MFWD 190	2.2	1	0.57	4.48	\$ 16.04	\$ 56.27
Peanut Wagon 21' with Tractor (120-139 hp) 2WD 130	2.2	1	0.57	3.07	\$ 3.95	\$ 10.53
Total Harvest Values			1.72	12.03	\$ 26.56	\$ 82.93

^d Includes unallocated labor factor of 0.25. Unallocated labor factor is percentage allowance for additional labor required to move equipment and hook/unhook implements, etc.

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