

Non-Irrigated Peanut						
6-Row Equipment						
South Georgia, 2015						
Estimated Costs and Returns						
Expected Yield:		1.7 ton	Your Yield			
Variable Costs	Unit	Amount	\$/Unit	Cost/Acre	\$/ton	Your Farm
Seed *	pounds	135	\$ 0.70	\$ 94.50	\$ 55.59	
Inoculant	pounds	5	\$ 1.60	\$ 8.00	\$ 4.71	
Lime/Gypsum **	ton	0.5	\$ 104.00	\$ 52.00	\$ 30.59	
Fertilizer						
Boron	pounds	0.5	\$ 4.50	\$ 2.25	\$ 1.32	
Phosphate	pounds	0	\$ 0.43	\$ -	\$ -	
Potash	pounds	0	\$ 0.41	\$ -	\$ -	
Weed Control	acre	1	\$ 52.59	\$ 52.59	\$ 30.94	
Handweeding	acre	1	\$ 7.50	\$ 7.50	\$ 4.41	
Insect Control	acre	1	\$ 46.20	\$ 46.20	\$ 27.18	
Scouting	acre	1	\$ 10.00	\$ 10.00	\$ 5.88	
Disease Control ***	acre	1	\$ 40.98	\$ 40.98	\$ 24.11	
Preharvest Machinery						
Fuel	gallon	9.2	\$ 2.90	\$ 26.77	\$ 15.75	
Repairs and Maintenance	acre	1	\$ 18.72	\$ 18.72	\$ 11.01	
Harvest Machinery						
Fuel	gallon	7.9	\$ 2.90	\$ 22.87	\$ 13.45	
Repairs and Maintenance	acre	1	\$ 26.22	\$ 26.22	\$ 15.43	
Labor	hours	2.5	\$ 12.00	\$ 30.16	\$ 17.74	
Crop Insurance	acre	1	\$ 29.00	\$ 29.00	\$ 17.06	
Land Rent	acre	1	\$ -	\$ -	\$ -	
Interest on Operating Capital	percent	\$ 233.88	6.5%	\$ 15.20	\$ 8.94	
Cleaning	ton	0.6	\$ 20.00	\$ 11.22	\$ 6.60	
Drying	ton	1.1	\$ 30.00	\$ 34.17	\$ 20.10	
Marketing	ton	1.7	\$ 3.00	\$ 5.10	\$ 3.00	
NPB Checkoff	dollars	\$ 0.01	604	\$ 6.04	\$ 3.55	
Total Variable Costs:				\$ 539.50	\$ 317.35	
Fixed Costs						
Machinery Depreciation, Taxes, Insurance and Housing						
Preharvest Machinery	acre	1	\$ 54.18	\$ 54.18	\$ 31.87	
Harvest Machinery	acre	1	\$ 79.62	\$ 79.62	\$ 46.84	
General Overhead	% of VC	\$ 539.50	5%	\$ 26.97	\$ 15.87	
Management	% of VC	\$ 539.50	5%	\$ 26.97	\$ 15.87	
Owned Land Cost, Taxes, Cash Payment, etc.	acre	1	\$ -	\$ -	\$ -	
Other _____	acre	1	\$ -	\$ -	\$ -	
Total Fixed Costs				\$ 187.75	\$ 110.44	
Total Costs Excluding Land				\$ 727.25	\$ 427.79	
Your Profit Goal			\$		/ton	
Price Needed for Profit			\$		/ton	
<p>* Seed treatment could add \$0.12/lb or there may be an additional \$0.03/lb carrying charge if not paid for with cash.</p> <p>** Lime/gypsum application is prorated at 0.5 ton to equal 1.5 ton application every 3 years.</p> <p>*** 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.</p>						
Template developed by Nathan Smith and Amanda Smith.						

Sensitivity Analysis of Non-Irrigated Peanut						
Net Returns Above Variable Costs Per Acre						
Varying Prices and Yields (ton)						
	-25%	-10%	Expected	+10%	+25%	
Price \ ton/Acre	1.28	1.53	1.70	1.87	2.13	
\$350	-\$93.25	-\$4.00	\$55.50	\$115.00	\$204.25	
\$375	-\$61.37	\$34.25	\$98.00	\$161.75	\$257.38	
\$400	-\$29.50	\$72.50	\$140.50	\$208.50	\$310.50	
\$425	\$2.38	\$110.75	\$183.00	\$255.25	\$363.63	
\$450	\$34.25	\$149.00	\$225.50	\$302.00	\$416.75	
Estimated Labor and Machinery Costs per Acre						
Preharvest Operations						
Operation	Acres/Hour	Number of Times Over	Labor Use*** (hrs/ac)	Fuel Use (gal/ac)	Repairs (\$/ac)	Fixed Costs (\$/ac)
Heavy Disk 27' with Tractor (180-199 hp) MFWD 190	13.2	2	0.19	1.48	\$ 3.62	\$ 10.51
Plow 4 Bottom Switch with Tractor (180-199 hp) MFWD 190	2.3	1	0.54	4.20	\$ 7.17	\$ 21.63
Disk & Incorporate 32' with Tractor (180-199 hp) MFWD 190	15.3	1	0.08	0.64	\$ 1.90	\$ 4.97
Field Cultivate Fld 32' with Tractor (180-199 hp) MFWD 190	21.4	1	0.06	0.46	\$ 0.99	\$ 4.14
Plant & Pre-Rigid 6R-36 with Tractor (120-139 hp) 2WD 130	8.9	1	0.14	0.75	\$ 2.10	\$ 5.85
Spray (Broadcast) 60' with Tractor (120-139 hp) 2WD 130	35.5	9	0.32	1.70	\$ 2.94	\$ 7.08
Total Preharvest Values			1.32	9.23	\$ 18.72	\$ 54.18
Harvest Operations						
Operation	Acres/Hour	Number of Times Over	Labor Use*** (hrs/ac)	Fuel Use (gal/ac)	Repairs (\$/ac)	Fixed Costs (\$/ac)
Peanut Dig/Inverter 6R-36 with Tractor (180-199 hp) MFWD 190	5.3	1	0.23	1.83	\$ 7.02	\$ 16.05
Pull-type Peanut Combine 6R-36 with Peanut Wagon 21' with Tractor (120-139 hp) 2WD 130	3.3	1	0.38	2.99	\$ 14.64	\$ 51.49
	2.2	1	0.57	3.07	\$ 4.56	\$ 12.08
Total Harvest Values			1.19	7.88	\$ 26.22	\$ 79.62
*** Includes unallocated labor factor of 0.25. Unallocated labor factor is percentage allowance for additional labor						
Template developed by Nathan Smith and Amanda Smith.						

Non-Irrigated Peanut, Strip Tillage						
6-Row Equipment						
South Georgia, 2015						
Estimated Costs and Returns						
Expected Yield:	1.7 ton	Your Yield				
Variable Costs	Unit	Amount	\$/Unit	Cost/Acre	\$/ton	Your Farm
Cover Crop Seed	bushel	1.5	\$ 15.00	\$ 22.50	\$ 13.24	
Seed *	pounds	135	\$ 0.70	\$ 94.50	\$ 55.59	
Inoculant	pounds	5	\$ 1.60	\$ 8.00	\$ 4.71	
Lime/Gypsum **	ton	0.5	\$ 104.00	\$ 52.00	\$ 30.59	
Fertilizer						
<i>Boron</i>	pounds	0.5	\$ 4.50	\$ 2.25	\$ 1.32	
<i>Phosphate</i>	pounds	0	\$ 0.43	\$ -	\$ -	
<i>Potash</i>	pounds	0	\$ 0.41	\$ -	\$ -	
Weed Control	acre	1	\$ 64.65	\$ 64.65	\$ 38.03	
Handweeding	acre	1	\$ 7.50	\$ 7.50	\$ 4.41	
Insect Control	acre	1	\$ 46.20	\$ 46.20	\$ 27.18	
Scouting	acre	1	\$ 10.00	\$ 10.00	\$ 5.88	
Disease Control ***	acre	1	\$ 40.98	\$ 40.98	\$ 24.11	
Preharvest Machinery						
<i>Fuel</i>	gallon	5.2	\$ 2.90	\$ 15.10	\$ 8.89	
<i>Repairs and Maintenance</i>	acre	1	\$ 10.61	\$ 10.61	\$ 6.24	
Harvest Machinery						
<i>Fuel</i>	gallon	7.9	\$ 2.90	\$ 22.87	\$ 13.45	
<i>Repairs and Maintenance</i>	acre	1	\$ 26.22	\$ 26.22	\$ 15.43	
Labor	hours	2.0	\$ 12.00	\$ 24.45	\$ 14.38	
Crop Insurance	acre	1	\$ 29.00	\$ 29.00	\$ 17.06	
Land Rent	acre	1	\$ -	\$ -	\$ -	
Interest on Operating Capital	percent	\$ 227.17	6.5%	\$ 14.77	\$ 8.69	
Cleaning	ton	0.6	\$ 20.00	\$ 11.22	\$ 6.60	
Drying	ton	1.1	\$ 30.00	\$ 34.17	\$ 20.10	
Marketing	ton	1.7	\$ 3.00	\$ 5.10	\$ 3.00	
NPB Checkoff	dollars	\$ 0.01	604	\$ 6.04	\$ 3.55	
Total Variable Costs:				\$ 548.13	\$ 322.43	
Fixed Costs						
Machinery Depreciation, Taxes, Insurance and Housing						
<i>Preharvest Machinery</i>	acre	1	\$ 28.76	\$ 28.76	\$ 16.92	
<i>Harvest Machinery</i>	acre	1	\$ 79.62	\$ 79.62	\$ 46.84	
General Overhead	% of VC	\$ 548.13	5%	\$ 27.41	\$ 16.12	
Management	% of VC	\$ 548.13	5%	\$ 27.41	\$ 16.12	
Owned Land Cost, Taxes, Cash Payment, etc.	acre	1	\$ -	\$ -	\$ -	
Other _____	acre	1	\$ -	\$ -	\$ -	
Total Fixed Costs				\$ 163.19	\$ 95.99	
Total Costs Excluding Land				\$ 711.32	\$ 418.42	
Your Profit Goal			\$		/ton	
Price Needed for Profit			\$		/ton	
* Seed treatment could add \$0.12/lb or there may be an additional \$0.03/lb carrying charge if not paid for with cash.						
** Lime/gypsum 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						
Developed by Amanda Smith and Nathan Smith.						

Sensitivity Analysis of Non-Irrigated Peanut, Strip Tillage						
Net Returns Above Variable Costs Per Acre						
Varying Prices and Yields (ton)						
	-25%	-10%	Expected	+10%	+25%	
Price \ ton/Acre	1.28	1.53	1.70	1.87	2.13	
\$350	-\$101.88	-\$12.63	\$46.87	\$106.37	\$195.62	
\$375	-\$70.00	\$25.62	\$89.37	\$153.12	\$248.75	
\$400	-\$38.13	\$63.87	\$131.87	\$199.87	\$301.87	
\$425	-\$6.25	\$102.12	\$174.37	\$246.62	\$355.00	
\$450	\$25.62	\$140.37	\$216.87	\$293.37	\$408.12	
Estimated Labor and Machinery Costs per Acre						
Preharvest Operations						
Operation	Acres/Hour	Number of Times Over	Labor Use*** (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	\$ 2.30	\$ 6.40
Spray (Broadcast) 60' with Tractor (120-139 hp) 2WD 130	35.5	1	0.04	0.19	\$ 0.33	\$ 0.79
Subsoiler low-till 6 shank with Tractor (180-199 hp) MFWD 190	9.8	1	0.13	1.00	\$ 1.72	\$ 5.40
Plant & Pre-Rigid 6R-36 with Tractor (180-199 hp) MFWD 190	8.9	1	0.14	1.10	\$ 2.67	\$ 7.52
Spray (Broadcast) 60' with Tractor (120-139 hp) 2WD 130	35.5	11	0.39	2.08	\$ 3.59	\$ 8.65
Total Preharvest Values			0.85	5.21	\$ 10.61	\$ 28.76
Harvest Operations						
Operation	Acres/Hour	Number of Times Over	Labor Use*** (hrs/ac)	Fuel Use (gal/ac)	Repairs (\$/ac)	Fixed Costs (\$/ac)
Peanut Dig/Inverter 6R-36 with Tractor (180-199 hp) MFWD 190	5.3	1	0.23	1.83	\$ 7.02	\$ 16.05
Pull-type Peanut Combine 6R-36 with	3.3	1	0.38	2.99	\$ 14.64	\$ 51.49
Peanut Wagon 21' with Tractor (120-139 hp) 2WD 130	2.2	1	0.57	3.07	\$ 4.56	\$ 12.08
Total Harvest Values			1.19	7.88	\$ 26.22	\$ 79.62
*** Includes unallocated labor factor of 0.25. Unallocated labor factor is percentage allowance for additional labor						
Developed by Amanda Smith and Nathan Smith.						

Irrigated Peanut						
6-Row Equipment						
South Georgia, 2015						
Estimated Costs and Returns						
Expected Yield:	2.35	ton	Your Yield			
Variable Costs	Unit	Amount	\$/Unit	Cost/Acre	\$/ton	Your Farm
Seed *	pounds	135	\$ 0.70	\$ 94.50	\$ 40.21	
Inoculant	pounds	5	\$ 1.60	\$ 8.00	\$ 3.40	
Lime/Gypsum **	ton	0.5	\$ 104.00	\$ 52.00	\$ 22.13	
Fertilizer						
<i>Boron</i>	pounds	0.5	\$ 4.50	\$ 2.25	\$ 0.96	
<i>Phosphate</i>	pounds	0	\$ 0.43	\$ -	\$ -	
<i>Potash</i>	pounds	0	\$ 0.41	\$ -	\$ -	
Weed Control	acre	1	\$ 44.30	\$ 44.30	\$ 18.85	
Handweeding	acre	1	\$ 7.50	\$ 7.50	\$ 3.19	
Insect Control	acre	1	\$ 46.20	\$ 46.20	\$ 19.66	
Scouting	acre	1	\$ 10.00	\$ 10.00	\$ 4.26	
Disease Control ***	acre	1	\$ 74.67	\$ 74.67	\$ 31.77	
Preharvest Machinery						
<i>Fuel</i>	gallon	9.2	\$ 2.90	\$ 26.77	\$ 11.39	
<i>Repairs and Maintenance</i>	acre	1	\$ 18.72	\$ 18.72	\$ 7.97	
Harvest Machinery						
<i>Fuel</i>	gallon	7.9	\$ 2.90	\$ 22.87	\$ 9.73	
<i>Repairs and Maintenance</i>	acre	1	\$ 26.22	\$ 26.22	\$ 11.16	
Labor	hours	2.5	\$ 12.00	\$ 30.16	\$ 12.83	
Irrigation****	applications	6	\$ 10.35	\$ 62.10	\$ 26.43	
Crop Insurance	acre	1	\$ 21.00	\$ 21.00	\$ 8.94	
Land Rent	acre	1	\$ -	\$ -	\$ -	
Interest on Operating Capital	percent	\$ 273.63	6.5%	\$ 17.79	\$ 7.57	
Cleaning	ton	0.8	\$ 20.00	\$ 15.51	\$ 6.60	
Drying	ton	1.6	\$ 30.00	\$ 47.24	\$ 20.10	
Marketing	ton	2.4	\$ 3.00	\$ 7.05	\$ 3.00	
NPB Checkoff	dollars	\$ 0.01	834	\$ 8.34	\$ 3.55	
Total Variable Costs:				\$ 643.19	\$ 273.70	
Fixed Costs						
Machinery Depreciation, Taxes, Insurance and Housing						
<i>Preharvest Machinery</i>	acre	1	\$ 54.18	\$ 54.18	\$ 23.06	
<i>Harvest Machinery</i>	acre	1	\$ 79.62	\$ 79.62	\$ 33.88	
<i>Irrigation</i>	acre	1	\$ 125.00	\$ 125.00	\$ 53.19	
General Overhead	% of VC	\$ 643.19	5%	\$ 32.16	\$ 13.68	
Management	% of VC	\$ 643.19	5%	\$ 32.16	\$ 13.68	
Owned Land Cost, Taxes, Cash Payment, etc.	acre	1	\$ -	\$ -	\$ -	
Other _____	acre	1	\$ -	\$ -	\$ -	
Total Fixed Costs				\$ 323.12	\$ 137.50	
Total Costs Excluding Land				\$ 966.31	\$ 411.19	
Your Profit Goal			\$ _____	/ton		
Price Needed for Profit			\$ _____	/ton		
* Seed treatment could add \$0.12/lb or there may be an additional \$0.03/lb carrying charge if not paid for with cash.						
** Lime/gypsum 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/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.						
**** Average of diesel and electric irrigation application costs. Electric is estimated at \$7/appl and diesel is estimated at \$13.70/appl when diesel costs \$2.90/gal.						
Developed by Nathan Smith and Amanda Smith.						

Sensitivity Analysis of Irrigated Peanut						
Net Returns Above Variable Costs Per Acre						
Varying Prices and Yields (ton)						
	-25%	-10%	Expected	+10%	+25%	
Price \ ton/Acre	1.76	2.12	2.35	2.59	2.94	
\$350	-\$26.31	\$97.06	\$179.31	\$261.56	\$384.94	
\$375	\$17.75	\$149.94	\$238.06	\$326.19	\$458.38	
\$400	\$61.81	\$202.81	\$296.81	\$390.81	\$531.81	
\$425	\$105.88	\$255.69	\$355.56	\$455.44	\$605.25	
\$450	\$149.94	\$308.56	\$414.31	\$520.06	\$678.69	
Estimated Labor and Machinery Costs per Acre						
Preharvest Operations						
Operation	Acres/Hour	Number of Times Over	Labor Use**** (hrs/ac)	Fuel Use (gal/ac)	Repairs (\$/ac)	Fixed Costs (\$/ac)
Heavy Disk 27' with Tractor (180-199 hp) MFWD 190	13.2	2	0.19	1.48	\$ 3.62	\$ 10.51
Plow 4 Bottom Switch with Tractor (180-199 hp) MFWD 190	2.3	1	0.54	4.20	\$ 7.17	\$ 21.63
Disk & Incorporate 32' with Tractor (180-199 hp) MFWD 190	15.3	1	0.08	0.64	\$ 1.90	\$ 4.97
Field Cultivate Fld 32' with Tractor (180-199 hp) MFWD 190	21.4	1	0.06	0.46	\$ 0.99	\$ 4.14
Plant & Pre-Rigid 6R-36 with Tractor (120-139 hp) 2WD 130	8.9	1	0.14	0.75	\$ 2.10	\$ 5.85
Spray (Broadcast) 60' with Tractor (120-139 hp) 2WD 130	35.5	9	0.32	1.70	\$ 2.94	\$ 7.08
Total Preharvest Values			1.32	9.23	\$ 18.72	\$ 54.18
Harvest Operations						
Operation	Acres/Hour	Number of Times Over	Labor Use**** (hrs/ac)	Fuel Use (gal/ac)	Repairs (\$/ac)	Fixed Costs (\$/ac)
Peanut Dig/Inverter 6R-36 with Tractor (180-199 hp) MFWD 190	5.3	1	0.23	1.83	\$ 7.02	\$ 16.05
Pull-type Peanut Combine 6R-36 with Peanut Wagon 21' with Tractor (120-139 hp) 2WD 130	3.3	1	0.38	2.99	\$ 14.64	\$ 51.49
	2.2	1	0.57	3.07	\$ 4.56	\$ 12.08
Total Harvest Values			1.19	7.88	\$ 26.22	\$ 79.62
**** 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.						
Developed by Nathan Smith and Amanda Smith.						

Irrigated Peanut, Strip Tillage						
6-Row Equipment						
South Georgia, 2015						
Estimated Costs and Returns						
Expected Yield:	2.35	ton	Your Yield			
Variable Costs	Unit	Amount	\$/Unit	Cost/Acre	\$/ton	Your Farm
Cover Crop Seed	bushel	1.5	\$ 15.00	\$ 22.50	\$ 9.57	
Seed *	pounds	135	\$ 0.70	\$ 94.50	\$ 40.21	
Inoculant	pounds	5	\$ 1.60	\$ 8.00	\$ 3.40	
Lime/Gypsum **	ton	0.5	\$ 104.00	\$ 52.00	\$ 22.13	
Fertilizer						
<i>Boron</i>	pounds	0.5	\$ 4.50	\$ 2.25	\$ 0.96	
<i>Phosphate</i>	pounds	0	\$ 0.43	\$ -	\$ -	
<i>Potash</i>	pounds	0	\$ 0.41	\$ -	\$ -	
Weed Control	acre	1	\$ 56.36	\$ 56.36	\$ 23.98	
Handweeding	acre	1	\$ 7.50	\$ 7.50	\$ 3.19	
Insect Control	acre	1	\$ 46.20	\$ 46.20	\$ 19.66	
Scouting	acre	1	\$ 10.00	\$ 10.00	\$ 4.26	
Disease Control ***	acre	1	\$ 74.67	\$ 74.67	\$ 31.77	
Preharvest Machinery						
<i>Fuel</i>	gallon	5.2	\$ 2.90	\$ 15.10	\$ 6.43	
<i>Repairs and Maintenance</i>	acre	1	\$ 10.61	\$ 10.61	\$ 4.52	
Harvest Machinery						
<i>Fuel</i>	gallon	7.9	\$ 2.90	\$ 22.87	\$ 9.73	
<i>Repairs and Maintenance</i>	acre	1	\$ 26.22	\$ 26.22	\$ 11.16	
Labor	hours	2.0	\$ 12.00	\$ 24.45	\$ 10.41	
Irrigation****	applications	5	\$ 10.35	\$ 51.75	\$ 22.02	
Crop Insurance	acre	1	\$ 21.00	\$ 21.00	\$ 8.94	
Land Rent	acre	1	\$ -	\$ -	\$ -	
Interest on Operating Capital	percent	\$ 261.74	6.5%	\$ 17.01	\$ 7.24	
Cleaning	ton	0.8	\$ 20.00	\$ 15.51	\$ 6.60	
Drying	ton	1.6	\$ 30.00	\$ 47.24	\$ 20.10	
Marketing	ton	2.4	\$ 3.00	\$ 7.05	\$ 3.00	
NPB Checkoff	dollars	\$ 0.01	834	\$ 8.34	\$ 3.55	
Total Variable Costs:				\$ 641.13	\$ 272.82	
Fixed Costs						
Machinery Depreciation, Taxes, Insurance and Housing						
<i>Preharvest Machinery</i>	acre	1	\$ 28.76	\$ 28.76	\$ 12.24	
<i>Harvest Machinery</i>	acre	1	\$ 79.62	\$ 79.62	\$ 33.88	
<i>Irrigation</i>	acre	1	\$ 125.00	\$ 125.00	\$ 53.19	
General Overhead	% of VC	\$ 641.13	5%	\$ 32.06	\$ 13.64	
Management	% of VC	\$ 641.13	5%	\$ 32.06	\$ 13.64	
Owned Land Cost, Taxes, Cash Payment, etc.	acre	1	\$ -	\$ -	\$ -	
Other _____	acre	1	\$ -	\$ -	\$ -	
Total Fixed Costs				\$ 297.49	\$ 126.59	
Total Costs Excluding Land				\$ 938.62	\$ 399.41	
Your Profit Goal			\$		/ton	
Price Needed for Profit			\$		/ton	
* Seed treatment could add \$0.12/lb or there may be an additional \$0.03/lb carrying charge if not paid for with cash.						
** Lime/gypsum 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-						
**** Average of diesel and electric irrigation application costs. Electric is estimated at \$7/appl and diesel is estimated at \$13.70/appl when diesel costs \$2.90/gal.						
Developed by Amanda Smith and Nathan Smith.						

Sensitivity Analysis of Irrigated Peanut, Strip Tillage						
Net Returns Above Variable Costs Per Acre						
Varying Prices and Yields (ton)						
	-25%	-10%	Expected	+10%	+25%	
Price \ ton/Acre	1.76	2.12	2.35	2.59	2.94	
\$350	-\$24.26	\$99.12	\$181.37	\$263.62	\$386.99	
\$375	\$19.81	\$151.99	\$240.12	\$328.24	\$460.43	
\$400	\$63.87	\$204.87	\$298.87	\$392.87	\$533.87	
\$425	\$107.93	\$257.74	\$357.62	\$457.49	\$607.31	
\$450	\$151.99	\$310.62	\$416.37	\$522.12	\$680.74	
Estimated Labor and Machinery Costs per Acre						
Preharvest Operations						
Operation	Acres/Hour	Number of Times Over	Labor Use**** (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	\$ 2.30	\$ 6.40
Spray (Broadcast) 60' with Tractor (120-139 hp) 2WD 130	35.5	1	0.04	0.19	\$ 0.33	\$ 0.79
Subsoiler low-till 6 shank with Tractor (180-199 hp) MFWD 190	9.8	1	0.13	1.00	\$ 1.72	\$ 5.40
Plant & Pre-Rigid 6R-36 with Tractor (180-199 hp) MFWD 190	8.9	1	0.14	1.10	\$ 2.67	\$ 7.52
Spray (Broadcast) 60' with Tractor (120-139 hp) 2WD 130	35.5	11	0.39	2.08	\$ 3.59	\$ 8.65
Total Preharvest Values			0.85	5.21	\$ 10.61	\$ 28.76
Harvest Operations						
Operation	Acres/Hour	Number of Times Over	Labor Use**** (hrs/ac)	Fuel Use (gal/ac)	Repairs (\$/ac)	Fixed Costs (\$/ac)
Peanut Dig/Inverter 6R-36 with Tractor (180-199 hp) MFWD 190	5.3	1	0.23	1.83	\$ 7.02	\$ 16.05
Pull-type Peanut Combine 6R-36 with Peanut Wagon 21' with Tractor (120-139 hp) 2WD 130	3.3	1	0.38	2.99	\$ 14.64	\$ 51.49
	2.2	1	0.57	3.07	\$ 4.56	\$ 12.08
Total Harvest Values			1.19	7.88	\$ 26.22	\$ 79.62
**** 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.						
Developed by Amanda Smith and Nathan Smith.						