

**SOYBEANS, STRIP-TILLAGE, NON-IRRIGATED
ROUNDUP READY
SOUTH GEORGIA, 2008**

ESTIMATED COSTS AND RETURNS

Expected Yield **30 Bushels** YIELD: YOUR FARM _____

Variable Costs:	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Bushels	Your Farm
Seed	Lbs	1.00	\$ 35.00	\$ 35.00	\$ 1.17	_____
Cover Seed	Bu.	1.50	\$ 11.00	\$ 16.50	\$ 0.55	_____
Lime	Tons	0.33	\$ 40.00	\$ 13.20	\$ 0.44	_____
Fertilizer						
Nitrogen	Lbs	0.00	\$ 0.53	\$ -	\$ -	_____
Phosphate (P2O5)	Lbs	40.00	\$ 0.40	\$ 16.00	\$ 0.53	_____
Potash (K2O)	Lbs	80.00	\$ 0.30	\$ 24.00	\$ 0.80	_____
Boron	Lbs	0.50	\$ 4.00	\$ 2.00	\$ 0.07	_____
Weed Control	Acre	1.00	\$ 14.59	\$ 14.59	\$ 0.49	_____
Insect Control	Acre	1.00	\$ 5.90	\$ 5.90	\$ 0.20	_____
Disease Control*	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	3.06	\$ 3.00	\$ 9.18	\$ 0.31	_____
Repairs & Maintenance	Acre	1.00	\$ 5.09	\$ 5.09	\$ 0.17	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.38	\$ 3.00	\$ 7.14	\$ 0.24	_____
Repairs & Maintenance	Acre	1.00	\$ 3.90	\$ 3.90	\$ 0.13	_____
Labor	Hrs	0.75	\$ 10.50	\$ 7.84	\$ 0.26	_____
Crop Insurance	Acre	1.00	\$ 9.00	\$ 9.00	\$ 0.30	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 84.68	8.50%	\$ 7.20	\$ 0.24	_____
Drying - 8 points	Bushel	32.92	\$ -	\$ -	\$ -	_____
Total Variable Costs				\$ 176.55	\$ 5.88	

Fixed Costs:

<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 14.47	\$ 14.47	\$ 0.48	_____
Harvest	Acre	1.00	\$ 25.19	\$ 25.19	\$ 0.84	_____
General Overhead	% of VC	\$ 176.55	5.00%	\$ 8.83	\$ 0.29	_____
Management	% of VC	\$ 176.55	5.00%	\$ 8.83	\$ 0.29	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____		1.00	\$ -	\$ -	\$ -	_____
Total Fixed Costs				\$ 57.32	\$ 1.91	

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land	\$ 233.87	\$ 7.80
**** YOUR PROFIT GOAL ****	\$ _____/Bu.	
\$\$-PRICE NEEDED FOR PROFIT-\$\$	\$ _____/Bu.	

* Note: In the case of Asian Soybean Rust infection, add \$10-\$25 for fungicide sprays.

Sensitivity Analysis of SOYBEANS, STRIP-TILLAGE, NON-IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
Bu/Acre	-25%	-10%	Average	+10%	+25%	
	22.5	27	30	33	37.5	
\$6.00	\$ (41.55)	\$ (14.55)	\$ 3.45	\$ 21.45	\$ 48.45	
\$6.50	\$ (30.30)	\$ (1.05)	\$ 18.45	\$ 37.95	\$ 67.20	
\$7.00	\$ (19.05)	\$ 12.45	\$ 33.45	\$ 54.45	\$ 85.95	
\$7.50	\$ (7.80)	\$ 25.95	\$ 48.45	\$ 70.95	\$ 104.70	
\$8.00	\$ 3.45	\$ 39.45	\$ 63.45	\$ 87.45	\$ 123.45	

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)	
Spin Spreader5 ton with Tractor (120-139 hp)-2WD 130	23.758	1.00	0.04	0.28	0.50	1.41	
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.12	3.26	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.26	0.63	
ST Plant-Rigid6R-36 with Tractor (180-199 hp)-MFWD 190	6.873	1.00	0.15	1.42	2.43	7.28	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	3.00	0.08	0.57	0.78	1.89	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.362	3.06	\$ 5.09	\$ 14.47	

HARVEST OPERATIONS							
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)	
Header - Soybean18' Flex with Combine (200-249 hp)240hp	7.047	1.000	0.142	1.75	\$ 3.30	\$ 22.73	
Grain Cart500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	\$ 0.60	\$ 2.46	
					\$ -		
					\$ -		
					\$ -		
					\$ -		
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.236	2.38	\$ 3.90	\$ 25.19	

Prepared By: Amanda R Ziehl and Nathan B Smith, UGA Extension Economists, Department of Agricultural & Applied Economics

Acknowledgements: The authors gratefully acknowledge the contributions of John M. Woodruff and Georgia County Extension Agents in the construction of the 2008 soybean budgets.

