

**SOYBEANS, STRIP-TILLAGE, IRRIGATED
ROUNDUP READY
SOUTH GEORGIA, 2007**

ESTIMATED COSTS AND RETURNS

Expected Yield

55 Bushels

YIELD: YOUR FARM _____

VARIABLE COSTS	Unit	Number of		\$/Unit	Cost/Acre	\$/Bushels	Your Farm
		Units					
Seed	Lbs	1.00	\$	30.00	\$ 30.00	\$ 0.55	_____
Cover Seed	Bu.	5.00	\$	4.00	\$ 20.00	\$ 0.36	_____
Lime	Tons	0.33	\$	28.00	\$ 9.24	\$ 0.17	_____
Fertilizer							
Nitrogen	Lbs	0.00	\$	0.43	\$ -	\$ -	_____
Phosphate (P2O5)	Lbs	40.00	\$	0.31	\$ 12.40	\$ 0.23	_____
Potash (K2O)	Lbs	80.00	\$	0.23	\$ 18.40	\$ 0.33	_____
Boron	Lbs	0.50	\$	3.75	\$ 1.88	\$ 0.03	_____
Weed Control	Acre	1.00	\$	15.80	\$ 15.80	\$ 0.29	_____
Insect Control	Acre	1.00	\$	5.50	\$ 5.50	\$ 0.10	_____
Disease Control*	Acre	1.00	\$	-	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>							
Fuel	Gallon	2.73	\$	2.25	\$ 6.14	\$ 0.11	_____
Repairs & Maintenance	Acre	1.00	\$	4.60	\$ 4.60	\$ 0.08	_____
<i>Machinery: Harvest</i>							
Fuel	Gallon	2.38	\$	2.25	\$ 5.36	\$ 0.10	_____
Irrigation** (diesel power unit)	Inch	5.00	\$	10.50	\$ 52.50	\$ 0.95	_____
Repairs & Maintenance	Acre	1.00	\$	3.92	\$ 3.92	\$ 0.07	_____
Labor	Hrs	0.69	\$	10.00	\$ 6.94	\$ 0.13	_____
Crop Insurance	Acre	1.00	\$	8.00	\$ 8.00	\$ 0.15	_____
Land Rental	Acre	1.00	\$	-	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 100.33		8.00%	\$ 8.03	\$ 0.15	_____
Drying - 8 points	Bushel	55.00	\$	-	\$ -	\$ -	_____
Total Variable Costs					\$ 208.69	\$ 3.79	

Fixed Costs:

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$	13.17	\$ 13.17	\$ 0.24	_____
Harvest	Acre	1.00	\$	25.39	\$ 25.39	\$ 0.46	_____
Irrigation	Acre	1.00	\$	90.00	\$ 90.00	\$ 1.64	_____
General Overhead	% of VC	\$ 208.69		5.00%	\$ 10.43	\$ 0.19	_____
Management	% of VC	\$ 208.69		5.00%	\$ 10.43	\$ 0.19	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$	-	\$ -	\$ -	_____
Other _____							

Total Fixed Costs					\$ 149.43	\$ 2.72	
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TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land					\$ 358.11	\$ 6.51	
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**** YOUR PROFIT GOAL ****

\$ _____/Bu.

\$\$-PRICE NEEDED FOR PROFIT-\$\$

\$ _____/Bu.

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

**Irrigation application assumes use of diesel power unit. Electric power unit is estimated to be 60% of the cost of \$2.25 per gal diesel.

Sensitivity Analysis of SOYBEANS, STRIP-TILLAGE, IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
		-25%	-10%	Average	+10%	+25%
		41.25	49.5	55	60.5	68.75
\$	6.00	\$ 38.81	\$ 88.31	\$ 121.31	\$ 154.31	\$ 203.81
\$	6.25	\$ 49.13	\$ 100.69	\$ 135.06	\$ 169.44	\$ 221.00
\$	6.50	\$ 59.44	\$ 113.06	\$ 148.81	\$ 184.56	\$ 238.19
\$	6.75	\$ 69.75	\$ 125.44	\$ 162.56	\$ 199.69	\$ 255.38
\$	7.00	\$ 80.06	\$ 137.81	\$ 176.31	\$ 214.81	\$ 272.56

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	0.47	1.34	
Disk Harrow42' with Tractor (180-199 hp)-MFWD 190	21.382	1.00	0.05	0.46	1.00	2.91	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.24	0.59	
ST Plant-Rigid6R-36 with Tractor (180-199 hp)-MFWD 190	6.873	1.00	0.15	1.42	2.39	7.14	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	2.00	0.06	0.38	0.49	1.18	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.319	\$ 2.73	\$ 4.60	\$ 13.17	

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	\$ 3.36	\$ 23.04	
Grain Cart500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	\$ 0.56	\$ 2.34	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.236	\$ 2.38	\$ 3.92	\$ 25.39	

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