

**SOYBEANS, STRIP-TILLAGE, IRRIGATED
ROUNDUP READY
SOUTH GEORGIA, 2010**

ESTIMATED COSTS AND RETURNS

Expected Yield **55 Bushels** YIELD: YOUR FARM _____

Variable Costs:	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Bushels	Your Farm
Seed	Bag	1.00	\$ 48.00	\$ 48.00	\$ 0.87	_____
Cover Seed	Bu.	1.50	\$ 11.00	\$ 16.50	\$ 0.30	_____
Inoculant	acre	1.00	\$ 3.00	\$ 3.00	\$ 0.05	_____
Lime	Tons	0.33	\$ 33.30	\$ 10.99	\$ 0.20	_____
Fertilizer						
Nitrogen	Lbs	0.00	\$ 0.45	\$ -	\$ -	_____
Phosphate (P2O5)	Lbs	40.00	\$ 0.25	\$ 10.00	\$ 0.18	_____
Potash (K2O)	Lbs	80.00	\$ 0.50	\$ 40.00	\$ 0.73	_____
Boron	Lbs	0.50	\$ 5.60	\$ 2.80	\$ 0.05	_____
Weed Control	Acre	1.00	\$ 45.50	\$ 45.50	\$ 0.83	_____
Insect Control	Acre	1.00	\$ 4.50	\$ 4.50	\$ 0.08	_____
Disease Control*	Acre	1.00	\$ 28.20	\$ 28.20	\$ 0.51	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	3.06	\$ 2.50	\$ 7.65	\$ 0.14	_____
Repairs & Maintenance	Acre	1.00	\$ 5.62	\$ 5.62	\$ 0.10	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.38	\$ 2.50	\$ 5.95	\$ 0.11	_____
Repairs & Maintenance	Acre	1.00	\$ 4.78	\$ 4.78	\$ 0.09	_____
Irrigation**	Inch	4.00	\$ 9.00	\$ 36.00	\$ 0.65	_____
Labor	Hrs	0.75	\$ 11.00	\$ 8.22	\$ 0.15	_____
Crop Insurance	Acre	1.00	\$ 12.00	\$ 12.00	\$ 0.22	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 144.85	7.25%	\$ 10.50	\$ 0.19	_____
Drying - 8 points	Bushel	60.36	\$ -	\$ -	\$ -	_____
Total Variable Costs				\$ 300.21	\$ 5.46	
Fixed Costs:						
Machinery: Depreciation, Taxes, Insurance, and Housing						
Preharvest	Acre	1.00	\$ 16.03	\$ 16.03	\$ 0.29	_____
Harvest	Acre	1.00	\$ 28.72	\$ 28.72	\$ 0.52	_____
Irrigation	Acre	1.00	\$ 100.00	\$ 100.00	\$ 1.82	_____
General Overhead	% of VC	\$ 300.21	5.00%	\$ 15.01	\$ 0.27	_____
Management	% of VC	\$ 300.21	5.00%	\$ 15.01	\$ 0.27	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
Total Fixed Costs				\$ 174.77	\$ 3.18	
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 474.98	\$ 8.64	
**** YOUR PROFIT GOAL ****				\$ _____/Bu.		
\$\$-PRICE NEEDED FOR PROFIT-\$\$				\$ _____/Bu.		

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

** Average of diesel and electric irrigation application costs. Electric is estimated to be \$6/application and diesel is estimated to be \$12/application at \$2.50/gallon diesel.

Sensitivity Analysis of SOYBEANS, STRIP-TILLAGE, IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
	Bu/Acre	-25%	-10%	Average	+10%	+25%
		41.25	49.5	55	60.5	68.75
\$7.50		\$ 9.17	\$ 71.04	\$ 112.29	\$ 153.54	\$ 215.42
\$8.00		\$ 29.79	\$ 95.79	\$ 139.79	\$ 183.79	\$ 249.79
\$8.50		\$ 50.42	\$ 120.54	\$ 167.29	\$ 214.04	\$ 284.17
\$9.00		\$ 71.04	\$ 145.29	\$ 194.79	\$ 244.29	\$ 318.54
\$9.50		\$ 91.67	\$ 170.04	\$ 222.29	\$ 274.54	\$ 352.92

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	1.42	
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.30	3.78	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.25	0.61	
ST Plant-Rigid6R-36 with Tractor (180-199 hp)-MFWD 190	6.873	1.00	0.15	1.42	2.80	8.38	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	3.00	0.08	0.57	0.76	1.84	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.362	3.06	\$ 5.62	\$ 16.03	

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	\$ 3.84	\$ 26.17	
Grain Cart500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	\$ 0.94	\$ 2.55	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.236	2.38	\$ 4.78	\$ 28.72	

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