

**SOYBEANS, STRIP-TILLAGE, IRRIGATED
ROUNDUP READY
SOUTH GEORGIA, 2009**

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	\$ 45.00	\$ 45.00	\$ 0.82	_____
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	\$ 40.00	\$ 13.20	\$ 0.24	_____
Fertilizer						
Nitrogen	Lbs	0.00	\$ 0.60	\$ -	\$ -	_____
Phosphate (P2O5)	Lbs	40.00	\$ 0.30	\$ 12.00	\$ 0.22	_____
Potash (K2O)	Lbs	80.00	\$ 0.70	\$ 56.00	\$ 1.02	_____
Boron	Lbs	0.50	\$ 3.50	\$ 1.75	\$ 0.03	_____
Weed Control	Acre	1.00	\$ 30.44	\$ 30.44	\$ 0.55	_____
Insect Control	Acre	1.00	\$ 4.55	\$ 4.55	\$ 0.08	_____
Disease Control*	Acre	1.00	\$ 24.94	\$ 24.94	\$ 0.45	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	3.06	\$ 2.25	\$ 6.88	\$ 0.13	_____
Repairs & Maintenance	Acre	1.00	\$ 5.62	\$ 5.62	\$ 0.10	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.38	\$ 2.25	\$ 5.36	\$ 0.10	_____
Repairs & Maintenance	Acre	1.00	\$ 3.93	\$ 3.93	\$ 0.07	_____
Irrigation**	Inch	4.00	\$ 8.25	\$ 33.00	\$ 0.60	_____
Labor	Hrs	0.75	\$ 11.00	\$ 8.22	\$ 0.15	_____
Crop Insurance	Acre	1.00	\$ 14.00	\$ 14.00	\$ 0.25	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 142.19	7.50%	\$ 10.66	\$ 0.19	_____
Drying - 8 points	Bushel	60.36	\$ -	\$ -	\$ -	_____
Total Variable Costs				\$ 295.05	\$ 5.36	
Fixed Costs:						
<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 16.03	\$ 16.03	\$ 0.29	_____
Harvest	Acre	1.00	\$ 25.68	\$ 25.68	\$ 0.47	_____
Irrigation	Acre	1.00	\$ 100.00	\$ 100.00	\$ 1.82	_____
General Overhead	% of VC	\$ 295.05	5.00%	\$ 14.75	\$ 0.27	_____
Management	% of VC	\$ 295.05	5.00%	\$ 14.75	\$ 0.27	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
Total Fixed Costs				\$ 171.21	\$ 3.11	
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 466.26	\$ 8.48	
**** 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 \$10.50/application at \$2.25/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	\$ 14.33	\$ 76.20	\$ 117.45	\$ 158.70	\$ 220.58	
\$8.00	\$ 34.95	\$ 100.95	\$ 144.95	\$ 188.95	\$ 254.95	
\$8.50	\$ 55.58	\$ 125.70	\$ 172.45	\$ 219.20	\$ 289.33	
\$9.00	\$ 76.20	\$ 150.45	\$ 199.95	\$ 249.45	\$ 323.70	
\$9.50	\$ 96.83	\$ 175.20	\$ 227.45	\$ 279.70	\$ 358.08	

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	\$ 3.30	\$ 22.73	
Grain Cart500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	\$ 0.63	\$ 2.95	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.236	2.38	\$ 3.93	\$ 25.68	

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