

**SOYBEANS, IRRIGATED
ROUNDUP READY
SOUTH GEORGIA, 2010**

ESTIMATED COSTS AND RETURNS

Expected Yield per Acre

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	_____
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	\$ -	\$ -	_____
Phospate (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	\$ 36.65	\$ 36.65	\$ 0.67	_____
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	3.86	\$ 2.50	\$ 9.64	\$ 0.18	_____
Repairs & Maintenance	Acre	1.00	\$ 7.39	\$ 7.39	\$ 0.13	_____
<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	5.00	\$ 9.00	\$ 45.00	\$ 0.82	_____
Labor	Hrs	0.86	\$ 11.00	\$ 9.48	\$ 0.17	_____
Crop Insurance	Acre	1.00	\$ 12.00	\$ 12.00	\$ 0.22	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 139.19	7.25%	\$ 10.09	\$ 0.18	_____
Drying - 8 points	Bushel	60.36	\$ -	\$ -	\$ -	_____
Total Variable Costs				\$ 288.47	\$ 5.24	
Fixed Costs:						
Machinery: Depreciation, Taxes, Insurance, and Housing						
Preharvest	Acre	1.00	\$ 21.18	\$ 21.18	\$ 0.39	_____
Harvest	Acre	1.00	\$ 28.72	\$ 28.72	\$ 0.52	_____
Irrigation	Acre	1.00	\$ 100.00	\$ 100.00	\$ 1.82	_____
General Overhead	% of VC	\$ 288.47	5.00%	\$ 14.42	\$ 0.26	_____
Management	% of VC	\$ 288.47	5.00%	\$ 14.42	\$ 0.26	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____		1.00	\$ -	\$ -	\$ -	_____
Total Fixed Costs				\$ 178.75	\$ 3.25	
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 467.22	\$ 8.49	
**** 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, 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	\$ 20.90	\$ 82.78	\$ 124.03	\$ 165.28	\$ 227.15	
\$8.00	\$ 41.53	\$ 107.53	\$ 151.53	\$ 195.53	\$ 261.53	
\$8.50	\$ 62.15	\$ 132.28	\$ 179.03	\$ 225.78	\$ 295.90	
\$9.00	\$ 82.78	\$ 157.03	\$ 206.53	\$ 256.03	\$ 330.28	
\$9.50	\$ 103.40	\$ 181.78	\$ 234.03	\$ 286.28	\$ 364.65	

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)	
Heavy Disk27' with Tractor (180-199 hp)-MFWD 190	13.214	2.00	0.15	1.48	3.03	8.81	
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.30	3.78	
Disk Bed (Hipper)6R-36 with Tractor (180-199 hp)-MFWD 190	19.200	1.00	0.05	0.51	0.87	2.77	
Plant - Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.573	1.00	0.10	0.70	1.43	3.98	
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			0.454	3.86	\$ 7.39	\$ 21.18	

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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