

**SOYBEANS, IRRIGATED
ROUNDUP READY
SOUTH GEORGIA, 2007**

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	Lbs	1.00	\$ 30.00	\$ 30.00	\$ 0.55	_____
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	0.00	\$ 25.00	-	-	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	3.62	\$ 2.25	\$ 8.15	\$ 0.15	_____
Repairs & Maintenance	Acre	1.00	\$ 5.64	\$ 5.64	\$ 0.10	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.38	\$ 2.25	\$ 5.36	\$ 0.10	_____
Repairs & Maintenance	Acre	1.00	\$ 3.92	\$ 3.92	\$ 0.07	_____
Irrigation** (diesel power unit)	Inch	5.00	\$ 10.50	\$ 52.50	\$ 0.95	_____
Labor	Hrs	0.83	\$ 10.00	\$ 8.33	\$ 0.15	_____
Crop Insurance	Acre	1.00	\$ 6.75	\$ 6.75	\$ 0.12	_____
Land Rental	Acre	1.00	-	-	-	_____
Interest on Operating capital	Percent	\$ 91.93	8.00%	\$ 7.35	\$ 0.13	_____
Drying - 8 points	Bushel	55.00	-	-	-	_____
Total Variable Costs				\$ 191.22	\$ 3.48	_____

Fixed Costs:

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$ 16.11	\$ 16.11	\$ 0.29	_____
Harvest	Acre	1.00	\$ 25.39	\$ 25.39	\$ 0.46	_____
Irrigation	Acre	1.00	\$ 90.00	\$ 90.00	\$ 1.64	_____
General Overhead	% of VC	\$ 191.22	5.00%	\$ 9.56	\$ 0.17	_____
Management	% of VC	\$ 191.22	5.00%	\$ 9.56	\$ 0.17	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	-	-	-	_____
Other _____		1.00	-	-	-	_____
Total Fixed Costs				\$ 150.61	\$ 2.74	_____

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land	\$ 341.83	\$ 6.22
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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, 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	\$ 56.28	\$ 105.78	\$ 138.78	\$ 171.78	\$ 221.28
\$	6.25	\$ 66.60	\$ 118.16	\$ 152.53	\$ 186.91	\$ 238.47
\$	6.50	\$ 76.91	\$ 130.53	\$ 166.28	\$ 202.03	\$ 255.66
\$	6.75	\$ 87.22	\$ 142.91	\$ 180.03	\$ 217.16	\$ 272.85
\$	7.00	\$ 97.53	\$ 155.28	\$ 193.78	\$ 232.28	\$ 290.03

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	1.00	0.08	0.74	1.41	4.08	
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.08	3.14	
Disk Bed (Hipper)6R-36 with Tractor (180-199 hp)-MFWD 190	9.600	1.00	0.10	1.02	1.17	3.61	
Plant - Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.573	1.00	0.10	0.70	1.25	3.51	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	3.00	0.08	0.57	0.73	1.77	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor				0.430 \$	3.62 \$	5.64 \$	16.11

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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