

**SOYBEANS, IRRIGATED
ROUNDUP READY
SOUTH GEORGIA, 2006**

ESTIMATED COSTS AND RETURNS

Expected Yield per Acre

50 Bushels

YIELD: YOUR FARM _____

VARIABLE COSTS	Unit	Number of		\$/Unit	Cost/Acre	\$/Bushels	Your Farm
		Units					
Seed	Lbs	1.00	\$	30.00	\$ 30.00	\$ 0.60	_____
Lime	Tons	0.33	\$	30.00	\$ 9.90	\$ 0.20	_____
Fertilizer							
Nitrogen	Lbs	0.00	\$	0.48	\$ -	\$ -	_____
Phosphate (P2O5)	Lbs	40.00	\$	0.32	\$ 12.80	\$ 0.26	_____
Potash (K2O)	Lbs	80.00	\$	0.24	\$ 19.20	\$ 0.38	_____
Boron	Lbs	0.50	\$	2.50	\$ 1.25	\$ 0.03	_____
Weed Control	Acre	1.00	\$	11.96	\$ 11.96	\$ 0.24	_____
Insect Control	Acre	1.00	\$	6.18	\$ 6.18	\$ 0.12	_____
*Disease Control	Acre	1.00	\$	-	\$ 25.00	\$ 0.50	_____
<i>Machinery: Preharvest</i>							
Fuel	Gallon	3.91	\$	2.25	\$ 8.79	\$ 0.18	_____
Repairs & Maintenance	Acre	1.00	\$	5.08	\$ 5.08	\$ 0.10	_____
<i>Machinery: Harvest</i>							
Fuel	Gallon	2.07	\$	2.25	\$ 4.67	\$ 0.09	_____
Repairs & Maintenance	Acre	1.00	\$	3.97	\$ 3.97	\$ 0.08	_____
Irrigation	Inch	5.00	\$	10.50	\$ 52.50	\$ 1.05	_____
Labor	Hrs	0.84	\$	9.80	\$ 8.19	\$ 0.16	_____
Crop Insurance	Acre	1.00	\$	8.00	\$ 8.00	\$ 0.16	_____
Land Rental	Acre	1.00	\$	-	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 103.75		7.50%	\$ 7.78	\$ 0.16	_____
Drying - 8 points	Bushel				\$ -	\$ -	_____
Total Variable Costs					\$ 215.27	\$ 4.31	

Fixed Costs:

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$	13.79	\$ 13.79	\$ 0.28	_____
Harvest	Acre	1.00	\$	25.00	\$ 25.00	\$ 0.50	_____
Irrigation	Acre	1.00	\$	85.00	\$ 85.00	\$ 1.70	_____
General Overhead	% of VC	215.27		5.00%	\$ 10.76	\$ 0.22	_____
Management	% of VC	215.27		5.00%	\$ 10.76	\$ 0.22	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$	-	\$ -	\$ -	_____
Other _____							
Total Fixed Costs					\$ 145.31	\$ 2.91	

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land **\$ 360.59** **\$ 7.21**

**** YOUR PROFIT GOAL ****

\$ _____/Bu.

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

\$ _____/Bu.

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

Sensitivity Analysis of SOYBEANS, IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
		-25%	-10%	Average	+10%	+25%
		37.5	45	50	55	62.5
\$	5.00	\$ (27.77)	\$ 9.73	\$ 34.73	\$ 59.73	\$ 97.23
\$	5.25	\$ (18.40)	\$ 20.98	\$ 47.23	\$ 73.48	\$ 112.85
\$	5.50	\$ (9.02)	\$ 32.23	\$ 59.73	\$ 87.23	\$ 128.48
\$	5.75	\$ 0.35	\$ 43.48	\$ 72.23	\$ 100.98	\$ 144.10
\$	6.00	\$ 9.73	\$ 54.73	\$ 84.73	\$ 114.73	\$ 159.73

ESTIMATED LABOR AND MACHINERY COSTS PER ACRE

Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)
PREHARVEST OPERATIONS						
Heavy Disk27' with Tractor (180-199 hp)-MFWD 190	13.214	1.00	0.08	0.74	1.13	3.12
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	0.91	2.51
Disk Bed (Hipper)6R-36 with Tractor (180-199 hp)-MFWD 190	9.600	1.00	0.10	1.02	1.02	3.01
Plant - Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.573	1.00	0.10	0.70	1.13	3.02
Spray (Broadcast)40' with Tractor (120-139 hp)-2WD 130	23.636	3.00	0.13	0.85	0.89	2.12
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.473 \$	3.91 \$	5.08 \$	13.79
HARVEST OPERATIONS						
Header - Soybean18' Flex with Combine (250-299 hp)	9.788	1.000	0.102	1.45 \$	3.46 \$	22.99
Grain Cart 500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63 \$	0.51 \$	2.01
				\$ -	-	
				\$ -	-	
				\$ -	-	
				\$ -	-	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.196 \$	2.07 \$	3.97 \$	25.00

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