

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

**ESTIMATED COSTS AND RETURNS**

Expected Yield

**30 Bushels**

YIELD: YOUR FARM \_\_\_\_\_

VARIABLE COSTS	Unit	Number of		\$/Unit	Cost/Acre	\$/Bushels	Your Farm
		Units					
Seed	Lbs	1.00	\$	30.00	\$ 30.00	\$ 1.00	_____
Lime	Tons	0.33	\$	28.00	\$ 9.24	\$ 0.31	_____
Fertilizer							
Nitrogen	Lbs	0.00	\$	0.43	\$ -	\$ -	_____
Phospate (P2O5)	Lbs	40.00	\$	0.31	\$ 12.40	\$ 0.41	_____
Potash (K2O)	Lbs	80.00	\$	0.23	\$ 18.40	\$ 0.61	_____
Boron	Lbs	0.50	\$	3.75	\$ 1.88	\$ 0.06	_____
Weed Control	Acre	1.00	\$	15.80	\$ 15.80	\$ 0.53	_____
Insect Control	Acre	1.00	\$	5.50	\$ 5.50	\$ 0.18	_____
*Disease Control	Acre	0.00	\$	25.00	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>							
Fuel	Gallon	3.44	\$	2.25	\$ 7.73	\$ 0.26	_____
Repairs & Maintenance	Acre	1.00	\$	5.40	\$ 5.40	\$ 0.18	_____
<i>Machinery: Harvest</i>							
Fuel	Gallon	2.38	\$	2.25	\$ 5.36	\$ 0.18	_____
Repairs & Maintenance	Acre	1.00	\$	3.92	\$ 3.92	\$ 0.13	_____
Labor	Hrs	0.80	\$	10.00	\$ 7.97	\$ 0.27	_____
Crop Insurance	Acre	1.00	\$	8.00	\$ 8.00	\$ 0.27	_____
Land Rental	Acre	1.00	\$	-	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 65.79		8.00%	\$ 5.26	\$ 0.18	_____
Drying - 8 points	Bushel	30.00	\$	-	\$ -	\$ -	_____
<b>Total Variable Costs</b>					<b>\$ 136.85</b>	<b>\$ 4.56</b>	

**Fixed Costs:**

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$	15.52	\$ 15.52	\$ 0.52	_____
Harvest	Acre	1.00	\$	25.39	\$ 25.39	\$ 0.85	_____
General Overhead	% of VC	\$ 136.85		5.00%	\$ 6.84	\$ 0.23	_____
Management	% of VC	\$ 136.85		5.00%	\$ 6.84	\$ 0.23	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$	-	\$ -	\$ -	_____
Other _____		1.00	\$	-	\$ -	\$ -	_____

**Total Fixed Costs** **\$ 54.59** **\$ 1.82**

**TOTAL COSTS AND PROFIT GOAL**

**Total Costs Excluding Land** **\$ 191.44** **\$ 6.38**

\*\*\*\* 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, NON-IRRIGATED**

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
		-25%	-10%	Average	+10%	+25%
		22.5	27	30	33	37.5
\$	6.00	\$ (1.85)	\$ 25.15	\$ 43.15	\$ 61.15	\$ 88.15
\$	6.25	\$ 3.77	\$ 31.90	\$ 50.65	\$ 69.40	\$ 97.52
\$	6.50	\$ 9.40	\$ 38.65	\$ 58.15	\$ 77.65	\$ 106.90
\$	6.75	\$ 15.02	\$ 45.40	\$ 65.65	\$ 85.90	\$ 116.27
\$	7.00	\$ 20.65	\$ 52.15	\$ 73.15	\$ 94.15	\$ 125.65

**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	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	2.00	0.06	0.38	0.49	1.18	
<b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b>			<b>0.402</b>	<b>\$ 3.44</b>	<b>\$ 5.40</b>	<b>\$ 15.52</b>	

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	
<b>Total Harvest Fuel, Repairs, Fixed Costs, and Labor</b>			<b>0.236</b>	<b>\$ 2.38</b>	<b>\$ 3.92</b>	<b>\$ 25.39</b>	

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