

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

**ESTIMATED COSTS AND RETURNS**

Expected Yield                      **30 Bushels**                      YIELD: YOUR FARM \_\_\_\_\_

Variable Costs:	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Bushels	Your Farm
Seed	Bag	1.00	\$ 45.00	\$ 45.00	\$ 1.50	_____
Cover Seed	Bu.	1.50	\$ 11.00	\$ 16.50	\$ 0.55	_____
Inoculant	Acre	1.00	\$ 3.00	\$ 3.00	\$ 0.10	_____
Lime	Tons	0.33	\$ 40.00	\$ 13.20	\$ 0.44	_____
Fertilizer						
Nitrogen	Lbs	0.00	\$ 0.60	\$ -	\$ -	_____
Phosphate (P2O5)	Lbs	40.00	\$ 0.30	\$ 12.00	\$ 0.40	_____
Potash (K2O)	Lbs	80.00	\$ 0.70	\$ 56.00	\$ 1.87	_____
Boron	Lbs	0.50	\$ 3.50	\$ 1.75	\$ 0.06	_____
Weed Control	Acre	1.00	\$ 30.89	\$ 30.89	\$ 1.03	_____
Insect Control	Acre	1.00	\$ 4.55	\$ 4.55	\$ 0.15	_____
Disease Control*	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	3.06	\$ 2.25	\$ 6.88	\$ 0.23	_____
Repairs & Maintenance	Acre	1.00	\$ 5.62	\$ 5.62	\$ 0.19	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.38	\$ 2.25	\$ 5.36	\$ 0.18	_____
Repairs & Maintenance	Acre	1.00	\$ 3.93	\$ 3.93	\$ 0.13	_____
Labor	Hrs	0.75	\$ 11.00	\$ 8.22	\$ 0.27	_____
Crop Insurance	Acre	1.00	\$ 14.00	\$ 14.00	\$ 0.47	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 113.45	7.50%	\$ 8.51	\$ 0.28	_____
Drying - 8 points	Bushel	32.92		\$ -	\$ -	_____
<b>Total Variable Costs</b>				<b>\$ 235.41</b>	<b>\$ 7.85</b>	_____

**Fixed Costs:**

<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 16.03	\$ 16.03	\$ 0.53	_____
Harvest	Acre	1.00	\$ 25.68	\$ 25.68	\$ 0.86	_____
General Overhead	% of VC	\$ 235.41	5.00%	\$ 11.77	\$ 0.39	_____
Management	% of VC	\$ 235.41	5.00%	\$ 11.77	\$ 0.39	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____		1.00	\$ -	\$ -	\$ -	_____
<b>Total Fixed Costs</b>				<b>\$ 65.25</b>	<b>\$ 2.18</b>	_____

**TOTAL COSTS AND PROFIT GOAL**

<b>Total Costs Excluding Land</b>	<b>\$ 300.66</b>	<b>\$ 10.02</b>
**** 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, STRIP-TILLAGE, NON-IRRIGATED**

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
Bu/Acre	-25%	-10%	Average	+10%	+25%	
	22.5	27	30	33	37.5	
\$7.50	\$ (66.66)	\$ (32.91)	\$ (10.41)	\$ 12.09	\$ 45.84	
\$8.00	\$ (55.41)	\$ (19.41)	\$ 4.59	\$ 28.59	\$ 64.59	
\$8.50	\$ (44.16)	\$ (5.91)	\$ 19.59	\$ 45.09	\$ 83.34	
\$9.00	\$ (32.91)	\$ 7.59	\$ 34.59	\$ 61.59	\$ 102.09	
\$9.50	\$ (21.66)	\$ 21.09	\$ 49.59	\$ 78.09	\$ 120.84	

**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	
<b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b>			<b>0.362</b>	<b>3.06</b>	<b>\$ 5.62</b>	<b>\$ 16.03</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	\$ 3.30	\$ 22.73	
Grain Cart500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	\$ 0.63	\$ 2.95	
					\$ -		
					\$ -		
					\$ -		
					\$ -		
<b>Total Harvest Fuel, Repairs, Fixed Costs, and Labor</b>			<b>0.236</b>	<b>2.38</b>	<b>\$ 3.93</b>	<b>\$ 25.68</b>	

Prepared By: Amanda R Smith and Nathan B Smith, UGA Extension Economists, Department of Agricultural & Applied Economics

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