

**CORN, STRIP TILLAGE, NON-IRRIGATED  
SOUTH GEORGIA, 2007**

**ESTIMATED COSTS AND RETURNS**

Expected Yield

**85 Bushels**

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

VARIABLE COSTS	Unit	Number of		\$/Unit	Cost/Acre	\$/Bushels	Your Farm
		Units					
Seed	Thous.	20.00	\$	1.50	\$ 30.00	\$ 0.35	_____
Cover Crop Seed	Bushel	5.00	\$	2.00	\$ 10.00	\$ 0.12	_____
Lime	Tons	0.25	\$	28.00	\$ 7.00	\$ 0.08	_____
Fertilizer							_____
Nitrogen	Lbs	100.00	\$	0.43	\$ 43.00	\$ 0.51	_____
Phospate (P2O5)	Lbs	40.00	\$	0.31	\$ 12.40	\$ 0.15	_____
Potash (K2O)	Lbs	60.00	\$	0.23	\$ 13.80	\$ 0.16	_____
Weed Control	Acre	1.00	\$	14.50	\$ 14.50	\$ 0.17	_____
Insect Control	Acre	1.00	\$	-	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>							_____
Fuel	Gallon	3.83	\$	2.25	\$ 8.61	\$ 0.10	_____
Repairs & Maintenance	Acre	1.00	\$	6.42	\$ 6.42	\$ 0.08	_____
<i>Machinery: Harvest</i>							_____
Fuel	Gallon	2.65	\$	2.25	\$ 5.96	\$ 0.07	_____
Repairs & Maintenance	Acre	1.00	\$	3.69	\$ 3.69	\$ 0.04	_____
Labor	Hrs	0.94	\$	10.00	\$ 9.36	\$ 0.11	_____
Crop Insurance	Acre	1.00	\$	10.10	\$ 10.10	\$ 0.12	_____
Land Rental	Acre	1.00			\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 87.42		8.00%	\$ 6.99	\$ 0.08	_____
Drying - 8 points	Bushel	93.47	\$	0.28	\$ 26.17	\$ 0.31	_____
<b>Total Variable Costs</b>					<b>\$ 208.00</b>	<b>\$ 2.45</b>	

**Fixed Costs:**

Machinery: Depreciation, Taxes, Insurance, and Housing

Preharvest	Acre	1.00	\$	17.36	\$ 17.36	\$ 0.20	_____
Harvest	Acre	1.00	\$	23.98	\$ 23.98	\$ 0.28	_____
General Overhead	% of VC	\$ 208.00		5.00%	\$ 10.40	\$ 0.12	_____
Management	% of VC	\$ 208.00		5.00%	\$ 10.40	\$ 0.12	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$	-	\$ -	\$ -	_____
Other _____							_____

**Total Fixed Costs** **\$ 62.13** **\$ 0.73**

**TOTAL COSTS AND PROFIT GOAL**

**Total Costs Excluding Land** **\$ 270.14** **\$ 3.18**

\*\*\*\* YOUR PROFIT GOAL \*\*\*\* \$ \_\_\_\_\_/Bu.

\$\$-PRICE NEEDED FOR PROFIT-\$\$ \$ \_\_\_\_\_/Bu.

**Sensitivity Analysis of CORN, STRIP TILLAGE, NON-IRRIGATED**

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
		-25%	-10%	Average	+10%	+25%
		63.75	76.5	85	93.5	106.25
\$	3.00	\$ (16.75)	\$ 21.50	\$ 47.00	\$ 72.50	\$ 110.75
\$	3.25	\$ (0.82)	\$ 40.62	\$ 68.25	\$ 95.87	\$ 137.31
\$	3.50	\$ 15.12	\$ 59.75	\$ 89.50	\$ 119.25	\$ 163.87
\$	3.75	\$ 31.06	\$ 78.87	\$ 110.75	\$ 142.62	\$ 190.43
\$	4.00	\$ 47.00	\$ 98.00	\$ 132.00	\$ 166.00	\$ 217.00

**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	0.47	1.34	
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.08	3.14	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.24	0.59	
Subsoiler low-till6 shank with Tractor (180-199 hp)-MFWD 190	8.809	1.00	0.11	1.11	1.42	4.46	
Plant & Pre Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.218	1.00	0.11	0.73	1.52	4.23	
Fert Appl (Liquid)6R-36 with Tractor (120-139 hp)-2WD 130	9.164	1.00	0.11	0.73	1.44	3.01	
Spray (Band)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.24	0.59	
<b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b>				<b>0.491 \$</b>	<b>3.83 \$</b>	<b>6.42 \$</b>	<b>17.36</b>

HARVEST OPERATIONS							
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)	
Header - Corn6R 36" with Combine (200-249 hp)240hp	6.109	1.000	0.164	2.02	3.10	21.32	
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	0.59	2.65	
<b>Total Harvest Fuel, Repairs, Fixed Costs, and Labor</b>				<b>0.258 \$</b>	<b>2.65 \$</b>	<b>3.69 \$</b>	<b>23.98</b>

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