

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

ESTIMATED COSTS AND RETURNS

Expected Yield

185 Bushels

YIELD: YOUR FARM _____

VARIABLE COSTS	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Bushels	Your Farm
Seed	Thous.	30.00	\$ 1.40	\$ 42.00	\$ 0.23	_____
Cover Crop Seed	Bushel	5.00	\$ 2.00	\$ 10.00	\$ 0.05	_____
Lime	Tons	0.50	\$ 28.00	\$ 14.00	\$ 0.08	_____
Fertilizer						_____
Nitrogen	Lbs	225.00	\$ 0.43	\$ 96.75	\$ 0.52	_____
Phospate (P2O5)	Lbs	90.00	\$ 0.31	\$ 27.90	\$ 0.15	_____
Potash (K2O)	Lbs	125.00	\$ 0.23	\$ 28.75	\$ 0.16	_____
Weed Control	Acre	1.00	\$ 24.82	\$ 24.82	\$ 0.13	_____
Insect Control	Acre	1.00	\$ 7.00	\$ 7.00	\$ 0.04	_____
<i>Machinery: Preharvest</i>						_____
Fuel	Gallon	3.83	\$ 2.25	\$ 8.61	\$ 0.05	_____
Repairs & Maintenance	Acre	1.00	\$ 6.42	\$ 6.42	\$ 0.03	_____
<i>Machinery: Harvest</i>						_____
Fuel	Gallon	2.65	\$ 2.25	\$ 5.96	\$ 0.03	_____
Repairs & Maintenance	Acre	1.00	\$ 3.66	\$ 3.66	\$ 0.02	_____
Irrigation*	Inch	8.00	\$ 10.50	\$ 84.00	\$ 0.45	_____
Labor	Hrs	0.94	\$ 10.00	\$ 9.36	\$ 0.05	_____
Crop Insurance	Acre	1.00	\$ 9.00	\$ 9.00	\$ 0.05	_____
Land Rental	Acre	1.00		\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 189.11	8.00%	\$ 15.13	\$ 0.08	_____
Drying - 8 points	Bushel	203.44	\$ 0.28	\$ 56.96	\$ 0.31	_____
Total Variable Costs				\$ 450.32	\$ 2.43	

Fixed Costs:

Machinery: Depreciation, Taxes, Insurance,
and Housing

Preharvest	Acre	1.00	\$ 17.36	\$ 17.36	\$ 0.09	_____
Harvest	Acre	1.00	\$ 23.66	\$ 23.66	\$ 0.13	_____
General Overhead	% of VC	\$ 450.32	5.00%	\$ 22.52	\$ 0.12	_____
Management	% of VC	\$ 450.32	5.00%	\$ 22.52	\$ 0.12	_____
Irrigation	Acre	1.00	90.00	\$ 90.00	\$ 0.49	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
Total Fixed Costs				\$ 176.05	\$ 0.95	

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land	\$ 626.37	\$ 3.39
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**** YOUR PROFIT GOAL **** \$ _____/Bu.

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

*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 CORN, STRIP TILLAGE, IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
		-25%	-10%	Average	+10%	+25%
		138.75	166.5	185	203.5	231.25
\$	3.00	\$ (34.07)	\$ 49.18	\$ 104.68	\$ 160.18	\$ 243.43
\$	3.25	\$ 0.62	\$ 90.80	\$ 150.93	\$ 211.05	\$ 301.24
\$	3.50	\$ 35.30	\$ 132.43	\$ 197.18	\$ 261.93	\$ 359.05
\$	3.75	\$ 69.99	\$ 174.05	\$ 243.43	\$ 312.80	\$ 416.87
\$	4.00	\$ 104.68	\$ 215.68	\$ 289.68	\$ 363.68	\$ 474.68

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	
Fert Appl (Liquid)6R-36 with Tractor (120-139 hp)-2WD 130	9.164	1.00	0.11	0.73	1.44	3.01	
Plant & Pre Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.218	1.00	0.11	0.73	1.52	4.23	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.24	0.59	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.491	\$ 3.83	\$ 6.42	\$ 17.36	

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	2.022	\$ 3.10	\$ 21.32	
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.629	\$ 0.56	\$ 2.34	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.258	\$ 2.65	\$ 3.66	\$ 23.66	

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