

**CORN, STRIP TILLAGE, IRRIGATED
SOUTH GEORGIA, 2010**

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	\$ 3.00	\$ 90.00	\$ 0.49	_____
Cover Crop Seed	Bushel	1.50	\$ 11.00	\$ 16.50	\$ 0.09	_____
Lime	Tons	0.50	\$ 33.30	\$ 16.65	\$ 0.09	_____
Fertilizer						
Nitrogen	Lbs	225.00	\$ 0.45	\$ 101.25	\$ 0.55	_____
Phosphate (P2O5)	Lbs	90.00	\$ 0.25	\$ 22.50	\$ 0.12	_____
Potash (K2O)	Lbs	125.00	\$ 0.50	\$ 62.50	\$ 0.34	_____
Weed Control	Acre	1.00	\$ 38.05	\$ 38.05	\$ 0.21	_____
Insect Control	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest*</i>						
Fuel	Gallon	3.41	\$ 2.50	\$ 8.53	\$ 0.05	_____
Repairs & Maintenance	Acre	1.00	\$ 6.60	\$ 6.60	\$ 0.04	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.65	\$ 2.50	\$ 6.63	\$ 0.04	_____
Repairs & Maintenance	Acre	1.00	\$ 4.13	\$ 4.13	\$ 0.02	_____
Irrigation**	Inch	7.00	\$ 9.00	\$ 63.00	\$ 0.34	_____
Labor	Hrs	0.84	\$ 11.00	\$ 9.24	\$ 0.05	_____
Crop Insurance	Acre	1.00	\$ 9.00	\$ 9.00	\$ 0.05	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 227.29	7.25%	\$ 16.48	\$ 0.09	_____
Drying - 8 points	Bushel	203.02	\$ 0.28	\$ 56.85	\$ 0.31	_____
Total Variable Costs				\$ 527.91	\$ 2.85	

Fixed Costs:

<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest*	Acre	1.00	\$ 17.93	\$ 17.93	\$ 0.10	_____
Harvest	Acre	1.00	\$ 26.73	\$ 26.73	\$ 0.14	_____
General Overhead	% of VC	\$ 527.91	5.00%	\$ 26.40	\$ 0.14	_____
Management	% of VC	\$ 527.91	5.00%	\$ 26.40	\$ 0.14	_____
Irrigation	Acre	1.00	\$ 100.00	\$ 100.00	\$ 0.54	_____
<i>Owned Land Costs; Taxes, Cash Payment, Etc.</i>						
Other _____	Acre	1.00	\$ -	\$ -	\$ -	_____
Total Fixed Costs				\$ 197.45	\$ 1.07	

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land	\$ 725.36	\$ 3.92
**** YOUR PROFIT GOAL ****	\$ _____/Bu.	
\$\$-PRICE NEEDED FOR PROFIT-\$\$	\$ _____/Bu.	

* Rip-strip and plant in one pass. Performing rip, strip and plant as separate operations increases preharvest fuel use by 0.413 gal (\$1.03 per acre) and repairs & maintenance costs by \$0.44 per acre. Fixed costs for preharvest machinery would be increased by \$0.99 per acre.

**Average of diesel and electric irrigation application costs. Electric is estimated to be \$6/application and diesel is estimated to be \$12/application at \$2.50/gallon diesel.

Sensitivity Analysis of CORN, STRIP TILLAGE, IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE					
Varying Prices and Yield (Bushels)					
Bu/Acre	-25%	-10%	Average	+10%	+25%
	138.75	166.5	185	203.5	231.25
\$3.00	\$ (111.66)	\$ (28.41)	\$ 27.09	\$ 82.59	\$ 165.84
\$3.25	\$ (76.97)	\$ 13.21	\$ 73.34	\$ 133.46	\$ 223.65
\$3.50	\$ (42.29)	\$ 54.84	\$ 119.59	\$ 184.34	\$ 281.46
\$3.75	\$ (7.60)	\$ 96.46	\$ 165.84	\$ 235.21	\$ 339.28
\$4.00	\$ 27.09	\$ 138.09	\$ 212.09	\$ 286.09	\$ 397.09

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 Spreader 5 ton with Tractor (120-139 hp) 2WD 130	23.758	1.00	0.04	0.28	0.50	1.42
Disk Harrow 32' 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-Rigid 6R-36 with Tractor (180-199 hp)-MFWD 190	6.873	1.00	0.15	1.42	2.80	8.38
Fert Appl (Liquid) 6R-36 with Tractor (120-139 hp)-2WD 130	9.164	1.00	0.11	0.73	1.49	3.13
Spray (Broadcast) 60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.25	0.61
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.415	3.41	\$ 6.60	\$ 17.93

HARVEST OPERATIONS						
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)
Header - Corn 6R 36" with Combine (200-249 hp)-240hp	6.109	1.000	0.164	2.022	\$ 3.53	\$ 24.18
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.629	\$ 0.60	\$ 2.55
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.258	\$ 2.65	\$ 4.13	\$ 26.73

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Acknowledgements: The authors gratefully acknowledge the contributions of Dewey Lee, Eric Prostko, Glen Harris, Scott Tubbs and Georgia County Extension Agents.