

**CORN, 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	_____
Lime	Tons	0.50	\$ 33.30	\$ 16.65	\$ 0.09	_____
<i>Fertilizer</i>						
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	\$ 31.20	\$ 31.20	\$ 0.17	_____
Insect Control	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	4.21	\$ 2.50	\$ 10.52	\$ 0.06	_____
Repairs & Maintenance	Acre	1.00	\$ 8.38	\$ 8.38	\$ 0.05	_____
<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	8.00	\$ 9.00	\$ 72.00	\$ 0.39	_____
Labor	Hrs	0.96	\$ 11.00	\$ 10.51	\$ 0.06	_____
Crop Insurance	Acre	1.00	\$ 9.00	\$ 9.00	\$ 0.05	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 222.63	7.25%	\$ 16.14	\$ 0.09	_____
Drying - 8 points	Bushel	203.02	\$ 0.28	\$ 56.85	\$ 0.31	_____
Total Variable Costs				\$ 518.25	\$ 2.80	_____
Fixed Costs:						
<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 23.08	\$ 23.08	\$ 0.12	_____
Harvest	Acre	1.00	\$ 26.73	\$ 26.73	\$ 0.14	_____
General Overhead	% of VC	\$ 518.25	5.00%	\$ 25.91	\$ 0.14	_____
Management	% of VC	\$ 518.25	5.00%	\$ 25.91	\$ 0.14	_____
Irrigation	Acre	1.00	100.00	\$ 100.00	\$ 0.54	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
Total Fixed Costs				\$ 201.63	\$ 1.09	_____
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 719.88	\$ 3.89	_____
**** YOUR PROFIT GOAL ****				\$ _____/Bu.		_____
\$\$-PRICE NEEDED FOR PROFIT-\$\$				\$ _____/Bu.		_____

*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, 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	\$ (102.00)	\$ (18.75)	\$ 36.75	\$ 92.25	\$ 175.50
\$3.25	\$ (67.31)	\$ 22.87	\$ 83.00	\$ 143.12	\$ 233.31
\$3.50	\$ (32.63)	\$ 64.50	\$ 129.25	\$ 194.00	\$ 291.12
\$3.75	\$ 2.06	\$ 106.12	\$ 175.50	\$ 244.87	\$ 348.94
\$4.00	\$ 36.75	\$ 147.75	\$ 221.75	\$ 295.75	\$ 406.75

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	2.00	0.15	1.48	3.03	8.81
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.30	3.78
Disk Bed (Hipper)6R-36 with Tractor (180-199 hp)-MFWD 190	19.200	1.00	0.05	0.51	0.87	2.77
Plant - Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.573	1.00	0.10	0.70	1.43	3.98
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			0.507	4.21	\$ 8.38	\$ 23.08

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	\$ 3.53	\$ 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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