

**CORN, IRRIGATED
SOUTH GEORGIA, 2009**

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	\$ 2.81	\$ 84.38	\$ 0.46	_____
Lime	Tons	0.50	\$ 43.00	\$ 21.50	\$ 0.12	_____
Fertilizer						
Nitrogen	Lbs	225.00	\$ 0.82	\$ 184.50	\$ 1.00	_____
Phosphate (P2O5)	Lbs	90.00	\$ 0.74	\$ 66.60	\$ 0.36	_____
Potash (K2O)	Lbs	125.00	\$ 0.80	\$ 100.00	\$ 0.54	_____
Weed Control	Acre	1.00	\$ 31.61	\$ 31.61	\$ 0.17	_____
Insect Control	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	3.84	\$ 2.85	\$ 10.95	\$ 0.06	_____
Repairs & Maintenance	Acre	1.00	\$ 7.81	\$ 7.81	\$ 0.04	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.65	\$ 2.85	\$ 7.55	\$ 0.04	_____
Repairs & Maintenance	Acre	1.00	\$ 3.66	\$ 3.66	\$ 0.02	_____
Irrigation*	Inch	8.00	\$ 9.55	\$ 76.40	\$ 0.41	_____
Labor	Hrs	0.89	\$ 11.00	\$ 9.76	\$ 0.05	_____
Crop Insurance	Acre	1.00	\$ 20.00	\$ 20.00	\$ 0.11	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 312.36	7.50%	\$ 23.43	\$ 0.13	_____
Drying - 8 points	Bushel	203.02	\$ 0.28	\$ 56.85	\$ 0.31	_____
Total Variable Costs				\$ 704.99	\$ 3.81	

Fixed Costs:

Machinery: Depreciation, Taxes, Insurance, and Housing						
Preharvest	Acre	1.00	\$ 21.80	\$ 21.80	\$ 0.12	_____
Harvest	Acre	1.00	\$ 23.75	\$ 23.75	\$ 0.13	_____
General Overhead	% of VC	\$ 704.99	5.00%	\$ 35.25	\$ 0.19	_____
Management	% of VC	\$ 704.99	5.00%	\$ 35.25	\$ 0.19	_____
Irrigation	Acre	1.00	100.00	\$ 100.00	\$ 0.54	_____
Owned Land Costs; Taxes, Cash Payment, Etc.						
Other _____	Acre	1.00	\$ -	\$ -	\$ -	_____
Total Fixed Costs				\$ 216.05	\$ 1.17	

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land	\$ 921.04	\$ 4.98
**** 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 \$13.10/application at \$2.85/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	\$ (288.74)	\$ (205.49)	\$ (149.99)	\$ (94.49)	\$ (11.24)
\$3.25	\$ (254.06)	\$ (163.87)	\$ (103.74)	\$ (43.62)	\$ 46.57
\$3.50	\$ (219.37)	\$ (122.24)	\$ (57.49)	\$ 7.26	\$ 104.38
\$3.75	\$ (184.68)	\$ (80.62)	\$ (11.24)	\$ 58.13	\$ 162.19
\$4.00	\$ (149.99)	\$ (38.99)	\$ 35.01	\$ 109.01	\$ 220.01

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	18.327	1.00	0.05	0.37	0.93	1.84
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			0.452	3.84	\$ 7.81	\$ 21.80

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	\$ 3.06	\$ 21.20
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	\$ 3.66	\$ 23.75

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