

**CORN, IRRIGATED
SOUTH GEORGIA, 2008**

ESTIMATED COSTS AND RETURNS

Expected Yield

185 Bushels

YIELD: YOUR FARM _____

Variable Costs:	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Bushels	Your Farm
Seed (treated with Poncho)	Thous.	30.00	\$ 1.94	\$ 58.20	\$ 0.31	_____
Lime	Tons	0.50	\$ 40.00	\$ 20.00	\$ 0.11	_____
Fertilizer						
Nitrogen	Lbs	225.00	\$ 0.53	\$ 119.25	\$ 0.64	_____
Phospate (P2O5)	Lbs	90.00	\$ 0.40	\$ 36.00	\$ 0.19	_____
Potash (K2O)	Lbs	125.00	\$ 0.30	\$ 37.50	\$ 0.20	_____
Weed Control	Acre	1.00	\$ 27.49	\$ 27.49	\$ 0.15	_____
Insect Control	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	3.98	\$ 3.00	\$ 11.93	\$ 0.06	_____
Repairs & Maintenance	Acre	1.00	\$ 6.80	\$ 6.80	\$ 0.04	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.65	\$ 3.00	\$ 7.95	\$ 0.04	_____
Repairs & Maintenance	Acre	1.00	\$ 3.66	\$ 3.66	\$ 0.02	_____
Irrigation*	Inch	8.00	\$ 13.50	\$ 108.00	\$ 0.58	_____
Labor	Hrs	0.93	\$ 10.50	\$ 9.72	\$ 0.05	_____
Crop Insurance	Acre	1.00	\$ 15.00	\$ 15.00	\$ 0.08	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 230.75	8.50%	\$ 19.61	\$ 0.11	_____
Drying - 8 points	Bushel	203.02	\$ 0.28	\$ 56.85	\$ 0.31	_____
Total Variable Costs				\$ 537.97	\$ 2.91	
Fixed Costs:						
Machinery: Depreciation, Taxes, Insurance, and Housing						
Preharvest	Acre	1.00	\$ 18.55	\$ 18.55	\$ 0.10	_____
Harvest	Acre	1.00	\$ 23.56	\$ 23.56	\$ 0.13	_____
General Overhead	% of VC	\$ 537.97	5.00%	\$ 26.90	\$ 0.15	_____
Management	% of VC	\$ 537.97	5.00%	\$ 26.90	\$ 0.15	_____
Irrigation	Acre	1.00	90.00	\$ 90.00	\$ 0.49	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
Total Fixed Costs				\$ 185.91	\$ 1.00	
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 723.87	\$ 3.91	
**** YOUR PROFIT GOAL ****				\$ _____/Bu.		
\$\$-PRICE NEEDED FOR PROFIT-\$\$				\$ _____/Bu.		

*Irrigation application assumes use of diesel power unit. Electric power unit is estimated to be 50% of the cost of \$3.00 per gal 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	\$ (121.72)	\$ (38.47)	\$ 17.03	\$ 72.53	\$ 155.78
\$3.25	\$ (87.03)	\$ 3.16	\$ 63.28	\$ 123.41	\$ 213.60
\$3.50	\$ (52.34)	\$ 44.78	\$ 109.53	\$ 174.28	\$ 271.41
\$3.75	\$ (17.65)	\$ 86.41	\$ 155.78	\$ 225.16	\$ 329.22
\$4.00	\$ 17.03	\$ 128.03	\$ 202.03	\$ 276.03	\$ 387.03

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	1.00	0.08	0.74	1.38	4.02
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.12	3.26
Disk Bed (Hipper)6R-36 with Tractor (180-199 hp)-MFWD 190	9.600	1.00	0.10	1.02	1.17	3.63
Plant - Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.573	1.00	0.10	0.70	1.40	3.90
Fert Appl (Liquid)6R-36 with Tractor (120-139 hp)-2WD 130	9.164	1.00	0.11	0.73	1.47	3.11
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.26	0.63
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.483	3.98	\$ 6.80	\$ 18.55

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	\$ 21.11
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.629	\$ 0.60	\$ 2.46
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.258	2.65	\$ 3.66	\$ 23.56

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