

**CORN, NON-IRRIGATED
SOUTH GEORGIA, 2008**

ESTIMATED COSTS AND RETURNS

Expected Yield **85 Bushels** YIELD: YOUR FARM _____

Variable Costs:	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Bushels	Your Farm
Seed	Thous.	20.00	\$ 2.35	\$ 47.00	\$ 0.55	_____
Lime	Tons	0.25	\$ 40.00	\$ 10.00	\$ 0.12	_____
Fertilizer						
Nitrogen	Lbs	100.00	\$ 0.53	\$ 53.00	\$ 0.62	_____
Phosphate (P2O5)	Lbs	40.00	\$ 0.40	\$ 16.00	\$ 0.19	_____
Potash (K2O)	Lbs	60.00	\$ 0.30	\$ 18.00	\$ 0.21	_____
Weed Control	Acre	1.00	\$ 17.28	\$ 17.28	\$ 0.20	_____
Insect Control	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	3.98	\$ 3.00	\$ 11.93	\$ 0.14	_____
Repairs & Maintenance	Acre	1.00	\$ 6.80	\$ 6.80	\$ 0.08	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.65	\$ 3.00	\$ 7.95	\$ 0.09	_____
Repairs & Maintenance	Acre	1.00	\$ 3.66	\$ 3.66	\$ 0.04	_____
Labor	Hrs	0.93	\$ 10.50	\$ 9.72	\$ 0.11	_____
Crop Insurance	Acre	1.00	\$ 10.00	\$ 10.00	\$ 0.12	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 105.67	8.50%	\$ 8.98	\$ 0.11	_____
Drying - 8 points	Bushel	93.28	\$ 0.28	\$ 26.12	\$ 0.31	_____
Total Variable Costs				\$ 246.44	\$ 2.90	
Fixed Costs:						
Machinery: Depreciation, Taxes, Insurance, and Housing						
Preharvest	Acre	1.00	\$ 18.55	\$ 18.55	\$ 0.22	_____
Harvest	Acre	1.00	\$ 23.56	\$ 23.56	\$ 0.28	_____
General Overhead	% of VC	\$ 246.44	5.00%	\$ 12.32	\$ 0.14	_____
Management	% of VC	\$ 246.44	5.00%	\$ 12.32	\$ 0.14	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						
Total Fixed Costs				\$ 66.75	\$ 0.79	
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 313.20	\$ 3.68	
**** YOUR PROFIT GOAL ****				\$ _____/Bu.		
\$\$-PRICE NEEDED FOR PROFIT-\$\$				\$ _____/Bu.		

Sensitivity Analysis of CORN, NON-IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
Bu/Acre	-25%	-10%	Average	+10%	+25%	
	63.75	76.5	85	93.5	106.25	
\$3.00	\$ (55.19)	\$ (16.94)	\$ 8.56	\$ 34.06	\$ 72.31	
\$3.25	\$ (39.26)	\$ 2.18	\$ 29.81	\$ 57.43	\$ 98.87	
\$3.50	\$ (23.32)	\$ 21.31	\$ 51.06	\$ 80.81	\$ 125.43	
\$3.75	\$ (7.38)	\$ 40.43	\$ 72.31	\$ 104.18	\$ 151.99	
\$4.00	\$ 8.56	\$ 59.56	\$ 93.56	\$ 127.56	\$ 178.56	

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	2.02	\$ 3.06	\$ 21.11
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	\$ 0.60	\$ 2.46
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.258	2.65	\$ 3.66	\$ 23.56

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