

**CORN, NON-IRRIGATED
SOUTH GEORGIA, 2007**

ESTIMATED COSTS AND RETURNS

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

VARIABLE COSTS	Unit	Number of		\$/Unit	Cost/Acre	\$/Bushels	Your Farm
		Units					
Seed	Thous.	20.00	\$	1.50	\$ 30.00	\$ 0.35	_____
Lime	Tons	0.25	\$	28.00	\$ 7.00	\$ 0.08	_____
Fertilizer							_____
Nitrogen	Lbs	100.00	\$	0.43	\$ 43.00	\$ 0.51	_____
Phosphate (P2O5)	Lbs	40.00	\$	0.31	\$ 12.40	\$ 0.15	_____
Potash (K2O)	Lbs	60.00	\$	0.23	\$ 13.80	\$ 0.16	_____
Weed Control	Acre	1.00	\$	14.50	\$ 14.50	\$ 0.17	_____
Insect Control	Acre	1.00	\$	-	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>							_____
Fuel	Gallon	3.98	\$	2.25	\$ 8.95	\$ 0.11	_____
Repairs & Maintenance	Acre	1.00	\$	6.59	\$ 6.59	\$ 0.08	_____
<i>Machinery: Harvest</i>							_____
Fuel	Gallon	2.65	\$	2.25	\$ 5.96	\$ 0.07	_____
Repairs & Maintenance	Acre	1.00	\$	3.66	\$ 3.66	\$ 0.04	_____
Labor	Hrs	0.93	\$	10.00	\$ 9.26	\$ 0.11	_____
Crop Insurance	Acre	1.00	\$	10.10	\$ 10.10	\$ 0.12	_____
Land Rental	Acre	1.00	\$	-	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 82.61		8.00%	\$ 6.61	\$ 0.08	_____
Drying - 8 points	Bushel	93.47	\$	0.28	\$ 26.17	\$ 0.31	_____
Total Variable Costs					\$ 198.01	\$ 2.33	

Fixed Costs:

Machinery: Depreciation, Taxes, Insurance, and Housing							
Preharvest	Acre	1.00	\$	17.93	\$ 17.93	\$ 0.21	_____
Harvest	Acre	1.00	\$	23.66	\$ 23.66	\$ 0.28	_____
General Overhead	% of VC	\$ 198.01		5.00%	\$ 9.90	\$ 0.12	_____
Management	% of VC	\$ 198.01		5.00%	\$ 9.90	\$ 0.12	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$	-	\$ -	\$ -	_____
Other _____							_____
Total Fixed Costs					\$ 61.40	\$ 0.72	

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land **\$ 259.40** **\$ 3.05**

**** 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)						
		-25%	-10%	Average	+10%	+25%
		63.75	76.5	85	93.5	106.25
\$	3.00	\$ (6.76)	\$ 31.49	\$ 56.99	\$ 82.49	\$ 120.74
\$	3.25	\$ 9.18	\$ 50.62	\$ 78.24	\$ 105.87	\$ 147.31
\$	3.50	\$ 25.12	\$ 69.74	\$ 99.49	\$ 129.24	\$ 173.87
\$	3.75	\$ 41.06	\$ 88.87	\$ 120.74	\$ 152.62	\$ 200.43
\$	4.00	\$ 56.99	\$ 107.99	\$ 141.99	\$ 175.99	\$ 226.99

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	1.41	4.08	
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.08	3.14	
Disk Bed (Hipper)6R-36 with Tractor (180-199 hp)-MFWD 190	9.600	1.00	0.10	1.02	1.17	3.61	
Plant - Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.573	1.00	0.10	0.70	1.25	3.51	
Fert Appl (Liquid)6R-36 with Tractor (120-139 hp)-2WD 130	9.164	1.00	0.11	0.73	1.44	3.01	
Spray (Band)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.24	0.59	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.483	\$ 3.98	\$ 6.59	\$ 17.93	

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	\$ 3.10	\$ 21.32	
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	\$ 0.56	\$ 2.34	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.258	\$ 2.65	\$ 3.66	\$ 23.66	

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