

**CORN, STRIP TILLAGE, NON-IRRIGATED
SOUTH GEORGIA, 2009**

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	\$ 2.50	\$ 50.00	\$ 0.59	_____
Cover Crop Seed	Bushel	1.50	\$ 11.00	\$ 16.50	\$ 0.19	_____
Lime	Tons	0.25	\$ 43.00	\$ 10.75	\$ 0.13	_____
Fertilizer						
Nitrogen	Lbs	100.00	\$ 0.82	\$ 82.00	\$ 0.96	_____
Phosphate (P2O5)	Lbs	40.00	\$ 0.74	\$ 29.60	\$ 0.35	_____
Potash (K2O)	Lbs	60.00	\$ 0.80	\$ 48.00	\$ 0.56	_____
Weed Control	Acre	1.00	\$ 40.11	\$ 40.11	\$ 0.47	_____
Insect Control	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest*</i>						
Fuel	Gallon	3.05	\$ 2.85	\$ 8.69	\$ 0.10	_____
Repairs & Maintenance	Acre	1.00	\$ 6.04	\$ 6.04	\$ 0.07	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.65	\$ 2.85	\$ 7.55	\$ 0.09	_____
Repairs & Maintenance	Acre	1.00	\$ 3.66	\$ 3.66	\$ 0.04	_____
Labor	Hrs	0.77	\$ 11.00	\$ 8.49	\$ 0.10	_____
Crop Insurance	Acre	1.00	\$ 13.50	\$ 13.50	\$ 0.16	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 162.45	7.50%	\$ 12.18	\$ 0.14	_____
Drying - 8 points	Bushel	93.28	\$ 0.28	\$ 26.12	\$ 0.31	_____
Total Variable Costs				\$ 363.19	\$ 4.27	

Fixed Costs:

<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest*	Acre	1.00	\$ 16.65	\$ 16.65	\$ 0.20	_____
Harvest	Acre	1.00	\$ 23.75	\$ 23.75	\$ 0.28	_____
General Overhead	% of VC	\$ 363.19	5.00%	\$ 18.16	\$ 0.21	_____
Management	% of VC	\$ 363.19	5.00%	\$ 18.16	\$ 0.21	_____
<i>Owned Land Costs; Taxes, Cash Payment, Etc.</i>						
Other _____	Acre	1.00	\$ -	\$ -	\$ -	_____
Total Fixed Costs				\$ 76.72	\$ 0.90	

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land	\$ 439.91	\$ 5.18
**** YOUR PROFIT GOAL ****	\$ _____/Bu.	
\$\$-PRICE NEEDED FOR PROFIT-\$\$	\$ _____/Bu.	

* Rip-strip and plant in one pass. Performing rip, strip and plant as separate operations increases preharvest fuel use by 0.413 ga (\$1.18 per acre) and repairs & maintenance costs by \$0.44 per acre. Fixed costs for preharvest machinery would be increased by \$0.99 per acre.

Sensitivity Analysis of CORN, STRIP TILLAGE, 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	\$ (171.94)	\$ (133.69)	\$ (108.19)	\$ (82.69)	\$ (44.44)
\$3.25	\$ (156.01)	\$ (114.57)	\$ (86.94)	\$ (59.32)	\$ (17.88)
\$3.50	\$ (140.07)	\$ (95.44)	\$ (65.69)	\$ (35.94)	\$ 8.68
\$3.75	\$ (124.13)	\$ (76.32)	\$ (44.44)	\$ (12.57)	\$ 35.24
\$4.00	\$ (108.19)	\$ (57.19)	\$ (23.19)	\$ 10.81	\$ 61.81

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)
Spin Spreader5 ton with Tractor (120-139 hp)-2WD 130	23.758	1.00	0.04	0.28	0.50	1.42
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.30	3.78
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.25	0.61
ST Plant-Rigid6R-36 with Tractor (180-199 hp)-MFWD 190	6.873	1.00	0.15	1.42	2.80	8.38
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			0.360	3.048	\$ 6.04	\$ 16.65

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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