

**CORN, STRIP TILLAGE, IRRIGATED
SOUTH GEORGIA, 2008**

ESTIMATED COSTS AND RETURNS

Expected Yield

185 Bushels

YIELD: YOUR FARM _____

Variable Costs:	Unit	Number of		\$/Unit	Cost/Acre	\$/Bushels	Your Farm
		Units					
Seed (treated with Poncho)	Thous.	30.00	\$	1.94	\$ 58.20	\$ 0.31	_____
Cover Crop Seed	Bushel	1.50	\$	11.00	\$ 16.50	\$ 0.09	_____
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	3.41	\$	3.00	\$ 10.24	\$ 0.06	_____
Repairs & Maintenance	Acre	1.00	\$	6.04	\$ 6.04	\$ 0.03	_____
<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	7.00	\$	13.50	\$ 94.50	\$ 0.51	_____
Labor	Hrs	0.84	\$	10.50	\$ 8.82	\$ 0.05	_____
Crop Insurance	Acre	1.00	\$	15.00	\$ 15.00	\$ 0.08	_____
Land Rental	Acre	1.00	\$	-	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 230.58		8.50%	\$ 19.60	\$ 0.11	_____
Drying - 8 points	Bushel	203.02	\$	0.28	\$ 56.85	\$ 0.31	_____
Total Variable Costs					\$ 537.60	\$ 2.91	
Fixed Costs:							
Machinery: Depreciation, Taxes, Insurance, and Housing							
Preharvest*	Acre	1.00	\$	16.32	\$ 16.32	\$ 0.09	_____
Harvest	Acre	1.00	\$	23.56	\$ 23.56	\$ 0.13	_____
General Overhead	% of VC	\$ 537.60		5.00%	\$ 26.88	\$ 0.15	_____
Management	% of VC	\$ 537.60		5.00%	\$ 26.88	\$ 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					\$ 183.65	\$ 0.99	
TOTAL COSTS AND PROFIT GOAL							
Total Costs Excluding Land					\$ 721.24	\$ 3.90	
**** 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 gal (\$1.24 per acre) and repairs & maintenance costs by \$0.41 per acre. Fixed costs for preharvest machinery would be increased by \$0.94 per acre.

**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, STRIP TILLAGE, 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	\$ (121.35)	\$ (38.10)	\$ 17.40	\$ 72.90	\$ 156.15
\$3.25	\$ (86.66)	\$ 3.53	\$ 63.65	\$ 123.78	\$ 213.97
\$3.50	\$ (51.97)	\$ 45.15	\$ 109.90	\$ 174.65	\$ 271.78
\$3.75	\$ (17.28)	\$ 86.78	\$ 156.15	\$ 225.53	\$ 329.59
\$4.00	\$ 17.40	\$ 128.40	\$ 202.40	\$ 276.40	\$ 387.40

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 Spreader 5 ton with Tractor (120-139 hp)-2WD 130	23.758	1.00	0.04	0.28	0.50	1.41
Disk Harrow 32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.12	3.26
Spray (Broadcast) 60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.26	0.63
ST Plant-Rigid 6R-36 with Tractor (180-199 hp)-MFWD 190	6.873	1.00	0.15	1.42	2.43	7.28
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			0.415	3.41	\$ 6.04	\$ 16.32

HARVEST OPERATIONS						
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)
Header - Corn 6R 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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