

**WHEAT FOR GRAIN, INTENSIVE MANAGEMENT
SOUTH GEORGIA, 2009**

ESTIMATED COSTS AND RETURNS

Expected Yield **75 Bushels** YIELD: YOUR FARM _____

Variable Costs:*	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Bushels	Your Farm
Seed	Bushel	2.25	\$ 14.000	\$ 31.50	\$ 0.42	_____
Lime	Tons	0.25	\$ 43.00	\$ 10.75	\$ 0.14	_____
Fertilizer						
Nitrogen	Lbs	120.00	\$ 0.82	\$ 98.40	\$ 1.31	_____
Phosphate (P2O5)	Lbs	50.00	\$ 0.74	\$ 37.00	\$ 0.49	_____
Potash (K2O)	Lbs	60.00	\$ 0.80	\$ 48.00	\$ 0.64	_____
Weed Control	Acre	1.00	\$ 6.00	\$ 6.00	\$ 0.08	_____
Insect Control	Acre	1.00	\$ -	\$ -	\$ -	_____
Disease Control	Acre	1.00	\$ 17.00	\$ 17.00	\$ 0.23	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	7.01	\$ 2.85	\$ 19.98	\$ 0.27	_____
Repairs & Maintenance	Acre	1.00	\$ 11.58	\$ 11.58	\$ 0.15	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.00	\$ 2.85	\$ 5.70	\$ 0.08	_____
Repairs & Maintenance	Acre	1.00	\$ 2.65	\$ 2.65	\$ 0.04	_____
Labor	Hrs	1.17	\$ 11.00	\$ 12.92	\$ 0.17	_____
Crop Insurance	Acre	1.00	\$ 5.25	\$ 5.25	\$ 0.07	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 153.36	7.50%	\$ 11.50	\$ 0.15	_____
Drying - 2 points	Bushel	77.25	\$ 0.08	\$ 6.18	\$ 0.08	_____
Total Variable Costs				\$ 324.40	\$ 4.33	_____
Fixed Costs:						
<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 33.85	\$ 33.85	\$ 0.45	_____
Harvest	Acre	1.00	\$ 15.52	\$ 15.52	\$ 0.21	_____
General Overhead	% of VC	\$ 324.40	5.00%	\$ 16.22	\$ 0.22	_____
Management	% of VC	\$ 324.40	5.00%	\$ 16.22	\$ 0.22	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						_____
Total Fixed Costs				\$ 81.82	\$ 1.09	_____
TOTAL COSTS AND PROFIT GOAL						
Total Costs Excluding Land				\$ 406.22	\$ 5.42	_____
**** YOUR PROFIT GOAL ****				\$ _____	/Bu.	_____
\$\$-PRICE NEEDED FOR PROFIT-\$\$				\$ _____	/Bu.	_____

*Seed, fertilizer, chemical and fuel costs could vary as much as +/- 15 to 20% from estimates shown. The estimates are based on "normal" or typical growing conditions and pest pressure. Abnormal weather, weed/grass problems, insects, and diseases would alter the estimates shown above.

Sensitivity Analysis of WHEAT FOR GRAIN, INTENSIVE MANAGEMENT

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
		-25%	-10%	Average	+10%	+25%
		56.25	67.5	75	82.5	93.75
\$	3.00	\$ (155.65)	\$ (121.90)	\$ (99.40)	\$ (76.90)	\$ (43.15)
\$	3.25	\$ (141.59)	\$ (105.03)	\$ (80.65)	\$ (56.28)	\$ (19.72)
\$	3.50	\$ (127.53)	\$ (88.15)	\$ (61.90)	\$ (35.65)	\$ 3.72
\$	3.75	\$ (113.47)	\$ (71.28)	\$ (43.15)	\$ (15.03)	\$ 27.16
\$	4.00	\$ (99.40)	\$ (54.40)	\$ (24.40)	\$ 5.60	\$ 50.60

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)	
Plow 4 Bottom Switch6' with Tractor (180-199 hp)-MFWD 190	2.327	1.00	0.43	4.20	6.12	18.40	
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	2.00	0.12	1.20	2.60	7.55	
Grain Drill15' with Tractor (180-199 hp)-MFWD 190	7.955	1.00	0.13	1.23	2.36	6.67	
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	2.00	0.06	0.38	0.51	1.23	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor				0.735 \$	7.01 \$	11.58 \$	33.85

HARVEST OPERATIONS							
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)	
Header Wheat/Sorghum22' Rigid with Combine (200-249 hp)240hp	9.015	1.000	0.111	1.37	2.05	12.97	
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	0.60	2.55	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor				0.205 \$	2.00 \$	2.65 \$	15.52

Prepared and Reviewed By: Nathan B Smith and Amanda R Smith, UGA Extension Economists, Department of Agricultural & Applied Economics, Dewey Lee, UGA Extension Agronomist, Department of Crop and Soil Sciences.