

FLUE-CURED TOBACCO - MACHINE HARVEST - BULK BARN

SOUTH GEORGIA AREA, 2009

December-08

ESTIMATED COSTS AND RETURNS ANALYSIS

EXPECTED YIELD (/ACRE): 2200 Lbs.

YIELD: YOUR FARM \_\_\_\_\_

VARIABLE COSTS:	Unit	No. Units	Price /Unit	Cost /Acre	Cost /Lb.	Your Farm
<b>PREHARVEST</b>						
Plants	Thou.	7.00	\$30.00	\$210.00	\$0.10	_____
Lime	Ton	0.33	33.00	10.89	0.00	_____
Fertilizer						
6-6-18 or Equiv.	Cwt.	14.00	35.00	490.00	0.22	_____
15.5-0-0 or Equiv.	Cwt.	1.50	36.00	54.00	0.02	_____
Nematicide-cont.or fum.	Acre	1.00	80.00	80.00	0.04	_____
Fungicide-Ridomil Gold, For Race 1 Blackshank	Pt.	2.00	92.00	184.00	0.08	_____
Herbicides	Acre	1.00	55.00	55.00	0.03	_____
Insecticides						
Soil - Admire	Oz.	12.50	4.50	56.25	0.03	_____
Soil - Actigard	Acre	1.00	2.00	2.00	0.001	_____
Foliar-Orth,Trac,Dip	Appl.	4.00	11.50	46.00	0.02	_____
Sucker Control						
Contact - 4 Appl.	Gal.	6.00	14.00	84.00	0.04	_____
MH (2.25 lbs./gal.)	Gal.	1.00	16.00	16.00	0.01	_____
Prime +	Qt.	2.00	18.75	37.50	0.02	_____
Insurance-75% Coverage	Dol.	2200	0.035	77.00	0.04	_____
Machinery						
Fuel - Diesel	Gal.	11.30	2.85	32.21	0.01	_____
Repairs and Maint.	Acre	1.00	34.69	34.69	0.02	_____
Irrigation	Appl.	6.00	14.50	87.00	0.04	_____
Electric Meter Charge	Month	12.00	2.00	24.00	0.01	_____
Labor - Machinery	Hour	17.20	10.00	172.00	0.08	_____
Labor - Topping	Hour.	14.00	10.00	140.00	0.06	_____
Other_____		0.00	0.00	0.00	0.00	_____
Interest on Operating Capital	Dol.	\$1,892.54	7.50%	70.97	0.03	_____
<b>Total Preharvest Variable Costs</b>				<b>\$1,963.51</b>	<b>\$0.89</b>	_____
<b>HARVEST</b>						
Curing Fuel - LP Gas*	Gal.	350.00	2.00	\$700.00	0.32	_____
Electricity	Kwh	950.00	0.13	118.75	0.05	_____
Machinery:						
Fuel - Diesel	Gal.	21.50	2.85	61.28	0.03	_____
Repairs & Maint.	Acre	1.00	141.00	141.00	0.06	_____
Labor - Harvest, & Put in Barn	Hr.	24.00	10.00	240.00	0.11	_____
Unload & Bale	Hr.	8.00	10.00	80.00	0.04	_____
Baling Supplies	Bale	3.00	5.00	15.00	0.01	_____
Haul to Buying Station	Bale	3.00	9.00	27.00	0.01	_____
Other_____		0.00	0.00	0.00	0.00	_____
<b>Total Harvest Variable Costs</b>				<b>\$1,383.03</b>	<b>\$0.63</b>	_____
<b>TOTAL ALL VARIABLE COSTS</b>				<b>\$3,346.53</b>	<b>\$1.52</b>	_____

Footnotes Located At Bottom Of Next Page.

**FLUE-CURED TOBACCO, MACHINE HARVEST, CONTINUED**

**FIXED COSTS:**

**PREHARVEST**

<b>Machinery: Depreciation, Taxes, Investment, &amp; Housing</b>	Acre	1.00	\$88.16	\$88.16	\$0.04	_____
<b>Irrigation</b>	Acre	1.00	60.00	60.00	0.03	_____
<b>Owned Land Costs; Taxes, Cash Payment, Etc.</b>	Acre	0.00	0.00	0.00	0.00	_____
<b>Other_____</b>		0.00	0.00	0.00	0.00	_____
<b>Total Preharvest Fixed Costs</b>				\$148.16	\$0.07	_____

**HARVEST**

<b>Curing Barn</b>	Acre	1.00	\$450.00	\$450.00	\$0.20	_____
<b>Machinery: Depreciation, Taxes, Investment, &amp; Housing</b>	Acre	1.00	212.70	212.70	0.10	_____
<b>Heat Exch Replacement**</b>	Acre	1.00	80.00	80.00	0.04	_____
<b>General Overhead</b>	Dol.	3346.53	0.05	167.33	0.08	_____
<b>Management ***</b>	Dol.	3346.53	0.05	167.33	0.08	_____
<b>Other_____</b>		0.00	0.00	0.00	0.00	_____
<b>Total Harvest Fixed Costs</b>				\$1,077.35	\$0.49	_____

**TOTAL ALL FIXED COSTS** \$1,225.51    \$0.56

**TOTAL COSTS AND PROFIT GOAL**

<b>Total Costs Excluding Land</b>	\$4,572.04	\$2.08	_____
<b>**** YOUR PROFIT GOAL ABOVE VARIABLE COSTS****</b>	\$	_____	Lb.

\* If Diesel Is Used For Curing, Substitute Fuel Costs For 270 Gallons Of Diesel @ \$2.85 / Gal. Instead Of LP Gas Cost Estimate.

\*\* Annual Cost of a Heat Exchanger is Based On An Initial Investment of \$3,000 and a 10-Year Life, Five Cures Per year.

\*\*\* Implies a return to the managerial ability of the farm operator. This return should be costed. If the operator were not working on a farm they could be earning a return in some other occupation.

Authored by William Givan, (Retired Professor) Department of Agricultural & Applied Economics and J. Michael Moore, Department of Crop & Soil Sciences.