

## Tobacco Nitrosomine Samples for Georgia 2000

<b>Form No.</b>	<b>Georgia County</b>	<b>Barn Make</b>	<b>Heat Yr</b>	<b>Exchanger</b>	<b>Stalk Position</b>	<b>TSNA</b>
BS-13	Berrien	Powell	79	DeCloet	upper	<b>BDL</b>
BS-46	Coffee	Decloet	93	Ventobac	upper	<b>BDL</b>
BS-47	Pierce	Long	78	Long	upper	<b>BDL</b>
BS-51	Cook	Long	96	Long	middle	<b>BDL</b>
BS-37	Mitchell	Long	75	Old Oil	upper	<b>0.162</b>
BS-43	Appling	Powell	77	Granville	middle	<b>0.180</b>
BS-20	Lowndes	Long	65	Tharrington	upper	<b>0.232</b>
BS-18	Lanier	Powell	78	DeCloet	middle	<b>0.252</b>
BS-22	Lowndes	DeCloet	93	DeCloet	upper	<b>0.257</b>
BS-53	Coffee	Decloet	93	Ventobac	upper	<b>0.341</b>
BS-40	Brooks	DeCloet	93	DeCloet	upper	<b>0.372</b>
BS-49	Pierce	Powell	72	Ventobac	upper	<b>0.483</b>
BS-27	Echols	Dixie	77	Tharrington	upper	<b>0.599</b>
BS-25	Echols	DeCloet	93	DeCloet	upper	<b>0.635</b>
BS-42	Evans	Long	76	Long	upper	<b>0.635</b>
BS-29	Echols	Home	90	Marco	upper	<b>0.867</b>
BS-30	Evans	Long	98	Evans	upper	<b>0.981</b>
BS-44	Appling	Long	95	Long	upper	<b>1.430</b>

Average    **0.433**

### **Direct Fired Barns**

BS-41	Evans	Long	77	N/A	upper	<b>0.332</b>
BS-45	Appling	Powell	75	N/A	middle	<b>0.469</b>
BS-50	Pierce	Powell	72	N/A	upper	<b>0.618</b>
BS-26	Echols	DeCloet	93	N/A	upper	<b>1.960</b>
BS-21	Lowndes	DeCloet	93	N/A	upper	<b>2.500</b>
BS-48	Pierce	Long	78	N/A	upper	<b>2.530</b>
BS-28	Echols	Dixie	77	N/A	upper	<b>2.540</b>
BS-14	Berrien	Powell	79	N/A	upper	<b>2.580</b>
BS-17	Lanier	Powell	77	N/A	middle	<b>3.010</b>
BS-19	Lowndes	Long	65	N/A	upper	<b>4.730</b>
BS-38	Mitchell	Long	75	N/A	upper	<b>6.880</b>
BS-38	Mitchell	Long	75	N/A	upper	<b>6.880</b>
BS-39	Brooks	Premium	90	N/A	upper	<b>7.230</b>
BS-39	Brooks	Premium	90	N/A	upper	<b>7.230</b>
BS-52	Cook	Long	96	N/A	middle	<b>9.280</b>

Average    **4.174**

**Number Tested    33**

**BDL = less than 0.1 ppm TSNA; I = indirect; d = direct-fired  
Tobacco Specific Nitrosamine (TSNA) results indicate the level of  
nitrosamines determined from cured leaf samples taken from the  
indicated combinations of barns and heat exchangers during the  
2000 production season. TSNA results from barns with heat  
exchangers show are generally lower than those from  
non-retrofitted barns.**