

# TOBACCO

## Tifton, Georgia:

### Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2008

Variety	Yield lb/A	Value \$/A	Price Index <sup>1</sup> \$/CWT	Grade Index <sup>2</sup>	Number Leaves/ Plant	Plant Ht. in	Days to Flower <sup>3</sup>	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
NC 71	4179	6231	149	72	22	37	71	2.80	15.3	5.5
GF 52	4086	5820	143	71	21	41	75	3.02	14.8	4.9
PVH 1118	4077	6247	154	76	22	42	72	3.03	14.2	4.7
Speight 227	3940	6011	153	74	22	40	73	2.50	16.3	6.5
CH 3 <sup>4</sup>	3938	6280	160	77	22	40	76	2.65	16.7	6.3
CC 13	3889	6187	158	76	22	40	73	2.65	15.5	5.8
NC 196	3882	5688	147	74	22	42	75	2.03	16.1	7.9
NC 297	3880	5985	154	74	22	41	72	2.61	15.7	6.0
CC 65	3872	5101	132	68	20	42	NF	2.98	12.5	4.2
CC 35	3846	5185	132	68	20	41	NF	2.48	16.0	6.5
NC 291	3838	5275	137	71	21	38	75	3.35	12.7	3.8
K 326	3834	5923	155	74	23	43	80	2.61	16.6	3.9
NC 92	3756	5777	154	74	21	40	77	3.01	16.8	5.6
NC 72	3651	5374	147	72	24	40	72	3.34	13.2	3.9
Speight 168	3617	5189	144	70	21	39	74	2.67	15.1	5.7
CC 27	3595	4996	140	71	22	40	71	2.59	14.8	5.7
CH 1 <sup>4</sup>	3569	5800	163	78	22	40	76	2.39	16.9	7.1
Speight 225	3539	5409	153	74	20	41	70	2.65	14.4	5.4
Speight 220	3539	5378	152	74	21	41	78	2.47	14.7	6.0
K 346	3537	5462	153	74	26	35	77	2.62	13.1	5.0
Speight 236	3483	5379	154	75	22	42	80	2.80	15.3	5.5
Speight 234	3457	4850	140	72	20	37	78	2.50	12.6	5.1
CC 37	3445	4476	130	64	21	41	78	3.10	13.2	4.2
CC 700	3430	5183	149	75	21	38	73	2.59	14.9	5.8
Speight 210	3417	5123	150	74	21	41	75	2.68	15.3	5.7
NC 55	3386	5086	151	75	22	39	76	2.63	14.8	5.6
NC 95	3321	4159	124	66	18	38	70	3.75	13.3	3.5
NC 299	3306	5094	154	73	21	39	76	2.69	17.4	6.5
NC 102	3282	4692	143	73	22	38	75	2.89	14.9	5.1
NC 2326	2664	2496	93	50	18	39	66	4.55	12.0	2.6
LSD @ 0.05	723.1	1297.8	17.6	6.4						

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 175 lbs/a 15.5-0-0 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two year average (2007-2008) prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.
3. Non-flowering lines are indicated by NF.
4. Non-released variety evaluated for adaptability to local climate.

Researched by Stevan S. LaHue and C.E. Troxell supported by grants from the Georgia Tobacco Commission.

**Tifton, Georgia:**  
**Three and Two -Year Averages of Official Flue-Cured Tobacco**  
**Variety Test - Comparison of Released Varieties**  
**for Certain Characteristics, 2006-2008**

Variety	Yield	Value	Price Index <sup>1</sup>	Grade Index <sup>2</sup>	Number Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	\$/A	\$/CWT			in		%	%	
<b>Three-Year Average 2006 - 2008</b>										
Speight 220	3995	3720	121.3	70	20	37	79	3.10	14.0	4.6
NC 297	3592	4782	132.9	73	21	37	76	2.80	17.0	6.3
K 326	3523	4553	128.0	73	20	36	78	2.90	15.8	4.9
CC 27	3484	4283	123.2	72	21	37	76	3.00	14.7	5.0
CC 13	3431	4564	131.4	74	20	34	77	3.10	14.8	5.0
NC 72	3394	3888	114.0	68	20	36	76	3.30	14.2	4.3
NC 95	3373	3632	108.3	66	20	39	72	3.60	14.4	3.9
NC 71	3361	4423	127.7	72	20	35	77	3.00	14.1	4.7
Speight 227	3317	4126	122.1	71	21	36	77	2.70	15.9	5.9
Speight 234	3254	3891	117.1	70	19	35	79	3.20	12.6	4.0
Speight 210	3240	4146	127.5	73	19	35	77	3.10	15.7	5.2
Speight 236	3238	4414	134.8	74	20	37	80	3.00	13.9	4.7
NC 291	3219	3714	113.8	69	20	35	78	3.20	15.0	4.7
Speight 168	3199	4144	128.0	71	20	36	78	2.80	16.0	5.8
NC 299	3132	4136	131.9	73	21	36	77	2.90	17.1	6.1
CC 700	3125	4189	132.4	74	20	35	76	2.90	14.7	5.1
NC 196	3109	4010	127.7	73	20	36	78	2.60	16.6	6.5
NC 55	2979	3958	131.1	74	21	35	78	3.10	15.2	5.0
Speight 225	2936	3589	118.5	68	19	35	76	3.00	13.7	4.7
K 346	2865	3686	124.3	61	22	35	71	3.10	12.0	4.0
NC 102	2597	3245	121.2	71	20	34	79	3.30	14.1	4.3
NC 2326	2229	2117	95.3	58	17	35	66	3.90	13.3	3.4
<b>2 Year Average 2007-2008</b>										
PVH 1118	3640	5035	136.5	75	21	39	70	3.30	13.5	4.2
CH 3 <sup>3</sup>	3605	5108	140.0	74	22	38	73	2.50	17.5	7.0
CC 37	3445	4193	122.0	67	21	38	75	3.00	13.4	4.4
CH 1 <sup>3</sup>	3310	4581	137.0	73	21	37	73	2.60	16.9	6.6

1. Price Index based on two-year average (2007-2008) prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent grades - higher the number, higher the grade.
3. Non-released variety evaluated for adaptability to local climate.

**Tifton, Georgia:  
Regional Farm Flue-Cured Tobacco Variety Test -  
Comparison of Released Varieties for Certain Characteristics, 2008**

Variety	Yield	Value	Price Index <sup>1</sup>	Grade Index <sup>2</sup>	Number Leaves/ Plant	Plant Ht. in	Days to Flower <sup>3</sup>	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
	lb/A	\$/A	\$/CWT							
NC EX 09	4089	5617	137	67	20	41	72	3.94	14.3	3.6
NC EX 07	3991	6238	156	76	19	39	74	3.38	13.2	3.9
RJR 75	3950	5205	131	65	20	42	NF	4.49	11.0	2.4
CC 33	3937	5872	149	73	20	38	78	3.38	12.9	3.8
NC EX 08	3838	6358	166	81	19	40	76	3.78	12.4	3.3
K 326	3794	6003	159	76	20	38	80	2.61	16.6	6.4
NC 95	3780	4735	125	65	18	38	70	3.75	13.3	3.6
GF 318	3759	5463	146	72	19	39	69	3.77	13.7	3.6
CC 67	3685	5350	145	70	20	40	71	3.77	10.4	2.8
XP 596	3498	4847	139	70	19	37	71	3.96	9.7	2.5
RJR 15	3365	3916	116	58	20	42	NF	4.07	11.1	2.7
NC 2326	2926	2814	96	52	18	39	66	4.55	12.0	2.6
LSD -0.05	476.3	900.9	15	6.6						

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 175 lbs/a 15.5-0-0 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two-year average (2007-2008) prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

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