

## TOBACCO

### Tifton, Georgia:

### Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2004

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	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
K 326	3084	4274	139	45	18	35.0	72	2.34	14.1	6.6
Speight 220	2946	3171	109	36	18	34.3	76	3.38	10.3	3.1
K 149	2817	4349	146	50	21	37.4	75	2.46	12.1	4.9
NC 95	2737	2464	92	32	17	34.5	70	3.93	10.7	2.7
NC 2326	2700	3114	117	42	17	34.5	63	4.00	8.3	2.1
NC 297	2587	3382	131	41	20	37.2	76	3.52	10.7	3.0
Speight 179	2587	2691	105	37	20	37.5	75	3.21	9.5	3.0
Speight 210	2576	3423	128	38	20	36.9	73	3.24	12.7	3.9
NC 71	2558	3345	124	42	19	35.1	75	2.78	13.9	5.0
Speight H20	2558	3462	136	45	19	39.1	72	3.60	9.9	2.7
Speight 218	2539	2560	103	41	18	35.8	74	3.51	12.1	3.4
K 346	2428	2598	107	39	19	36.5	71	2.88	10.8	3.8
GL 350	2404	3093	126	45	19	37.8	74	2.62	11.2	4.3
K 394	2360	2414	104	56	18	31.1	71	3.13	11.3	3.6
Speight H11	2325	2093	90	32	19	37.5	74	4.86	7.6	1.6
NC 291	2209	2215	106	38	21	37.0	75	3.68	8.7	2.4
NC 72	2130	2912	133	46	18	31.9	77	3.39	6.3	1.9
Speight 227	2124	2355	111	36	18	33.8	75	3.78	9.5	2.5
OX 207	2082	2633	121	42	19	33.9	76	2.58	12.9	5.0
NC 102	2072	2670	120	42	19	32.5	76	2.69	11.7	4.4
K 358	2058	1959	101	34	18	32.9	75	3.20	7.8	2.4
Speight 225	1982	2358	118	40	19	36.8	71	2.79	7.7	2.8
GL 973	1971	2237	108	41	19	38.1	76	2.49	9.6	3.9
NC 810	1879	2220	119	39	18	32.1	77	3.31	7.8	2.4
C 371 Gold	1839	2119	113	40	17	32.9	76	2.82	5.0	1.8
NC 55	1731	1805	111	41	17	27.7	75	3.26	10.8	3.3
CC 27	1704	1978	118	42	18	35.7	75	2.88	7.5	2.6
GL 939	1699	1972	108	36	19	33.5	74	2.74	13.9	5.1
NC 606	1644	2195	130	49	18	31.8	76	3.00	12.0	4.0
Speight 168	1641	1424	87	33	18	32.7	75	3.25	6.3	1.9
NC 196	1607	2053	130	45	19	37.7	77	2.97	10.7	3.6
Speight G-70	1572	1679	105	31	17	34.2	77	3.44	8.2	2.4
RG H51	1567	1828	111	40	18	34.7	74	2.74	7.8	2.9
CU 802	1419	1630	119	44	21	35.1	76	3.16	9.8	3.1
LSD@0.05	1247	1751	31	11						

1. Price Index based on two-year average (2003-2004) 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.

Researched by Stevan S. LaHue and M. G. Stephenson, under project S1-71 and supported by grants from the Georgia Tobacco Commission.

**Tifton, Georgia:**  
**Two and Three-Year Averages of Official Flue-Cured Tobacco**  
**Variety Test - Comparison of Released Varieties**  
**for Certain Characteristics, 2002-2004**

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	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
----- Three-Year Average 2002-2004 -----										
K 326	2686	4008	151	51	20	33.9	78	3.5	12.9	4.9
NC 95	2660	3352	128	45	19	35.7	76	3.8	10.5	2.7
NC 2326	2542	3355	134	47	20	37.2	73	4.0	12.0	3.0
Speight 218	2542	3460	136	46	20	35.4	74	3.9	11.9	3.1
Speight 179	2376	3306	142	50	20	34.6	78	3.3	13.3	3.8
NC 297	2355	3524	150	50	20	35.9	79	4.2	10.6	2.6
NC 72	2349	3430	147	49	20	33.5	80	3.4	12.4	4.4
Speight H20	2335	3436	147	46	20	36.9	76	3.8	11.1	2.8
K 346	2329	3217	140	48	21	34.9	74	3.3	10.7	3.2
NC 291	2310	3319	143	51	21	34.4	77	3.6	13.8	3.9
NC 71	2304	3527	151	53	20	33.6	80	3.1	16.3	5.3
Speight 210	2282	3382	149	48	20	34.1	78	3.6	13.4	3.8
NC 810	2171	3217	146	48	20	33.5	80	3.6	11.1	3.1
K 394	2086	2830	139	54	20	31.1	78	3.4	11.5	3.4
OX 207	2021	3026	147	51	20	33.7	78	3.4	11.5	3.7
GL 973	2019	2994	146	52	20	36.1	79	3.3	8.8	2.8
RG H51	2007	2955	141	48	20	35.3	77	3.6	7.7	2.1
Speight 168	1963	2656	133	44	20	33.7	78	3.5	8.7	2.7
C 371 Gold	1848	2640	142	49	19	32.6	79	3.3	9.9	2.9

**Tifton, Georgia:**  
**Two and Three-Year Averages of Official Flue-Cured Tobacco**  
**Variety Test - Comparison of Released Varieties**  
**for Certain Characteristics, 2002-2004 (Continued)**

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	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
----- Two-Year Average 2003-2004 -----										
K 326	2676	4094	156	59	21	35.8	83	2.4	15.9	6.7
NC 297	2610	3948	152	56	22	38.9	82	3.6	10.9	3.1
Speight 218	2605	3429	132	50	20	38.4	78	3.9	12.8	3.3
NC 71	2582	3943	149	58	21	35.8	84	3.0	15.0	5.1
K 149	2575	4191	160	62	23	38.8	80	2.5	15.2	4.6
Speight 220	2505	3329	139	52	20	35.1	85	3.3	10.9	3.4
NC 2326	2493	3350	138	53	20	40.0	70	3.8	10.3	2.8
NC 291	2475	3461	139	55	22	37.6	80	3.5	12.9	3.8
NC 95	2468	2918	124	47	20	38.2	76	3.7	9.2	2.5
Speight H20	2410	3535	148	50	20	40.1	81	3.5	11.3	3.0
Speight 210	2372	3566	149	53	21	37.1	82	3.4	14.2	4.1
K 346	2323	3186	139	53	21	36.5	79	3.1	11.3	3.6
Speight 179	2316	3077	137	54	21	36.3	84	3.3	11.2	3.1
NC 810	2307	3445	145	54	21	35.1	85	3.2	10.1	3.2
NC 72	2233	3428	151	56	20	35.1	83	3.0	12.7	5.1
K 394	2171	2874	136	60	20	32.3	82	3.4	10.0	3.0
OX 207	2072	3063	146	57	22	35.4	84	2.9	13.4	4.6
GL 973	2008	2817	137	53	21	38.9	82	3.1	7.7	2.7
RG H51	1931	2877	141	53	21	37.3	81	3.2	9.3	2.7
NC 55	1892	2623	139	53	20	30.5	84	3.3	12.2	3.7
NC 606	1829	2808	150	60	19	34.6	83	3.2	13.9	4.3
C 371 Gold	1805	2486	138	53	19	34.3	85	3.0	8.9	3.0
Speight 168	1787	2268	124	47	21	35.6	82	3.2	8.0	2.8

Conducted on an Ocilla loamy sand soil fertilized with 1000 lbs/a of 6-6-18 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two-year average (2003-2004) 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.

Researched by Stevan S. LaHue and M. G. Stephenson, under project S1-71 and supported by grants from the Georgia Tobacco Commission.

**Tifton, Georgia:  
 Regional Farm Flue-Cured Tobacco Variety Test -  
 Comparison of Released Varieties for Certain Characteristics, 2004**

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	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
RX 118	3527	5300	153	61	18	36.9	65	3.73	11.5	3.1
NC TG 125	3260	5409	164	64	19	38.6	64	3.75	8.3	2.2
ULT 128	3176	4432	141	47	19	38.2	70	4.35	11.9	2.7
RX 116	3139	4854	155	56	18	37.7	61	4.24	9.3	2.2
XP 121	2742	3437	128	49	18	36.4	67	3.62	12.2	3.4
NC 95	2737	2464	92	32	17	34.5	70	3.93	10.7	2.7
NC 2326	2700	3114	117	42	17	34.5	63	4.00	8.3	2.1
Speight 234	2689	3051	115	47	18	36.4	66	4.00	7.7	1.9
CU 804	2677	2783	99	33	19	41.4	76	3.89	10.7	2.7
GL 26H	2560	3907	154	60	18	36.4	71	3.32	12.2	3.7
CC 301	2222	3494	157	60	18	37.6	68	3.62	9.8	2.7
CC 400	2177	3182	147	58	18	34.1	70	3.05	12.2	4.0
OX 2051	1625	2250	135	42	18	31.7	68	3.68	10.7	2.9
GL 600	1274	1529	112	42	17	35.0	65	3.92	8.0	2.0
LSD -0.05	914	1406	39	16						

Conducted on an Ocilla loamy sand soil fertilized with 1000 lbs/a of 6-6-18 and 120 lbs/a 16-0-0 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two-year average (2003-2004) 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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