

TOBACCO

Tifton, Georgia:

Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2007

Variety	Yield	Value	Price Index ¹	Grade Index ²	Number Leaves/ Plant	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
CC 27	3514	3999	114	69	21	37.9	68	2.79	16.5	5.9
K 326	3494	4237	121	74	18	35.7	68	2.50	17.4	7.1
Speight H20	3457	4091	119	71	21	36.1	65	2.86	16.6	5.8
CC 37	3444	3909	114	69	20	36.2	71	2.96	13.6	4.6
CH 3 ³	3271	3936	120	70	21	36.8	69	2.39	18.2	7.6
Speight 234	3243	3648	109	67	19	35.5	72	3.65	10.9	3.0
Speight 236	3240	4079	126	73	20	38.0	73	3.16	14.5	4.6
NC 95	3227	2939	93	60	19	41.1	68	3.49	15.7	4.5
LK 1 ³	3226	3172	98	63	21	35.9	69	3.55	13.1	3.7
PVH 1118	3203	3823	119	73	19	36.3	68	3.57	12.7	3.6
PVH 1452	3195	3731	117	71	21	37.3	70	3.39	12.9	3.8
NC 297	3185	3809	120	70	20	36.3	70	2.33	18.6	8.0
Speight 227	3176	3229	103	66	21	37.0	71	2.86	14.3	5.0
PVF 1409	3103	3368	108	67	20	34.7	69	3.48	13.8	4.0
CH 1 ³	3051	3361	111	68	20	35.1	69	2.74	16.8	6.1
Speight 210	3044	3774	124	73	19	35.2	70	2.95	16.4	5.6
Speight 168	3003	3692	123	73	19	35.2	72	2.62	17.0	6.5
CC 700	2997	3506	116	70	20	33.0	69	3.20	13.9	4.3
NC 196	2987	3614	121	71	21	36.7	72	2.94	16.6	5.7
NC 299	2938	3608	123	73	20	34.8	71	2.69	17.7	6.6
Speight 225	2936	2748	92	58	19	33.3	69	2.86	13.0	4.6
CC 13	2924	3617	124	73	19	33.5	71	2.88	16.7	5.8
Speight 220	2787	3284	118	70	20	37.6	72	3.58	12.9	3.6
GL 350	2756	3204	117	72	19	32.6	65	2.71	17.0	6.3
NC 291	2733	2819	104	64	19	34.4	70	2.84	16.9	5.9
NC 72	2703	2776	103	64	18	34.1	70	3.25	15.4	4.7
NC 55	2635	3049	114	69	20	34.4	72	3.24	16.4	5.1
K 346	2629	2999	113	69	20	33.1	65	3.67	12.1	3.3
NC 102	2497	2754	110	67	18	32.4	73	3.36	13.6	4.0
NC 2326	2332	2277	100	62	16	34.8	63	3.63	14.5	4.0
LSD @ 0.05	721.2	1026.9	18	9.1						

Conducted on an Ocilla loamy sand soil fertilized with 1000 lbs/a of 6-6-18 and 150 lbs/a 14-0-14 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two-year average (2006-2007) 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. Unreleased variety.

Researched by Stevan S. LaHue and M. G. Stephenson 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, 2004-2007

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Number Leaves/ Plant	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
----- Three-Year Average 2004, 2006, 2007 -----										
K 326	3273	4002	123	64	18	33.9	75	2.9	15.0	5.6
NC 95	3179	3067	98	55	19	37.8	72	3.7	13.5	3.7
NC 297	3161	3915	125	62	20	35.3	78	3.1	15.3	5.3
Speight H20	3067	3660	121	62	20	36.1	75	3.3	13.4	4.0
Speight 210	2960	3580	120	61	19	33.5	76	3.3	14.8	4.6
NC 72	2887	3068	109	60	18	33.1	78	3.3	11.9	4.0
CC 27	2853	3277	116	62	20	35.3	77	3.1	12.2	4.0
NC 71	2820	3461	119	62	19	34.0	78	3.0	13.6	4.5
Speight 220	2798	2984	107	57	19	34.3	79	3.4	12.6	3.7
Speight 227	2712	2907	108	58	19	34.2	78	3.1	13.6	4.5
NC 291	2676	2694	104	60	20	35.3	78	3.3	13.6	4.2
GL 350	2558	3020	119	63	19	33.8	75	2.9	14.0	4.9
Speight 168	2541	2889	109	60	19	33.5	78	3.0	13.1	4.7
NC 55	2428	2865	118	70	19	31.2	78	3.3	13.9	4.2
K 346	2425	3124	130	58	20	35.0	74	3.3	11.5	3.5
Speight 225	2417	2572	107	56	19	33.7	76	3.0	11.5	3.8
NC 196	2351	2799	122	63	19	35.2	79	3.0	14.8	5.0
NC 2326	2241	2323	103	55	17	33.5	65	3.8	12.1	3.3
NC 102	2194	2571	114	60	19	32.1	79	3.2	13.0	4.0

Tifton, Georgia:
Two and Three-Year Averages of Official Flue-Cured Tobacco
for Certain Characteristics, 2004-2007 (Continued)

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Number Leaves/ Plant	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
----- Two-Year Average 2006 & 2007 -----										
NC 297	3449	4181	122	73	20	34.3	78	2.9	17.7	6.4
CC 27	3428	3927	115	72	21	35.2	78	3.2	14.6	4.7
NC 95	3400	3369	101	66	21	39.4	74	3.6	14.9	4.2
K 326	3368	3868	115	73	19	33.3	77	3.1	15.4	5.4
CH 3 ³	3368	3991	119	73	21	36.3	78	2.7	17.3	6.6
Speight H20	3322	3759	113	71	20	34.6	76	3.2	15.2	4.8
NC 72	3266	3146	98	67	19	33.6	79	3.2	14.8	4.6
CH 1 ³	3225	3379	107	70	20	32.9	77	2.8	16.6	5.9
CC 13	3202	3753	118	73	19	31.7	80	3.3	14.5	4.6
Speight 210	3153	3658	116	72	19	31.8	78	3.3	15.9	4.9
Speight 234	3153	3412	106	69	19	33.2	80	3.6	12.6	3.5
Speight 236	3116	3932	125	73	19	34.5	81	3.0	13.2	4.4
NC 299	3045	3656	121	74	21	34.3	78	2.9	17.0	5.9
Speight 227	3005	3183	107	69	20	34.5	80	2.8	15.7	5.6
Speight 168	2991	3621	120	72	19	33.9	80	2.9	16.5	5.8
CC 700	2973	3692	124	73	20	32.6	78	3.0	14.7	4.8
NC 71	2953	3519	117	72	20	33.5	80	3.2	13.5	4.3
NC 291	2909	2934	102	67	20	34.1	79	3.2	16.1	5.2
NC 55	2776	3395	121	74	20	33.0	80	3.3	15.4	4.7
Speight 220	2724	2891	106	68	20	34.4	80	3.5	13.7	4.0
NC 196	2723	3172	188	72	20	33.7	80	2.9	16.9	5.8
GL 350	2636	2983	115	72	19	31.9	76	3.0	15.4	5.2
Speight 225	2635	2679	101	64	19	32.1	79	3.1	13.4	4.4
K 346	2529	2799	110	54	20	34.8	68	3.3	11.5	3.6
NC 102	2255	2521	110	70	19	32.0	81	3.5	13.7	3.9
NC 2326	2012	1928	96	62	16	33.1	66	3.6	14.0	3.8

Conducted on an Ocilla loamy sand soil fertilized with 1000 lbs/a of 6-6-18 and 150 lbs/a 14-0-14 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two-year average (2006-2007) 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. Unreleased variety.

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Tifton, Georgia: Regional Farm Flue-Cured Tobacco Variety Test - Comparison of Released Varieties for Certain Characteristics, 2007

Variety	Yield	Value	Price Index ¹	Grade Index ²	Number Leaves/Plant	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
RX 576	3280	4127	126	72	18	35.1	67	3.26	15.6	4.8
ULT 109	3254	4094	126	73	20	36.7	72	3.21	13.9	4.3
NC 95	3227	2939	93	60	19	41.1	68	3.49	15.7	4.5
CC 65	3065	3066	100	58	17	38.1	71	3.68	13.5	3.7
RJR 15	2920	2856	97	59	18	38.3	72	3.53	13.8	3.9
NC TG 146	2917	3548	122	73	19	35.9	64	3.45	13.6	3.9
AOV 506	2914	3722	129	75	19	38.7	73	2.92	14.7	5.0
RJR 35	2852	2806	99	63	20	41.5	74	3.23	15.0	4.6
NC EX 02	2780	3358	121	73	18	36.6	71	3.12	17.8	5.7
NC EX 04	2627	3256	124	71	19	38.3	72	3.01	17.7	5.9
ULT 138	2505	3151	126	74	18	36.7	69	2.83	16.0	5.6
GF 52	2444	2798	115	68	18	36.7	73	3.58	13.9	3.9
NC 2326	2332	2277	100	62	16	34.8	63	3.63	14.5	4.0
Speight 241	2066	2471	117	72	18	34.7	76	2.87	15.2	5.3
CU 37	2744	2607	95	60	19	34.9	69	3.62	13.8	3.8
LSD -0.05	636.5	762.6	16.8	7.8						

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1. Price Index based on two-year average (2006-2007) 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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