

# TOBACCO

## Tifton, Georgia: Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2012

Variety	Yield lb/A	Value \$/A	Price Index <sup>1</sup> \$/CWT	Grade Index <sup>2</sup>	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
K 326	3017	4461	148	70	19	37.7	79	2.11	19.0	9.01
CC 700	2985	4942	164	81	18	39.2	77	1.95	17.7	9.10
GF 318	2975	4375	146	73	20	39.9	75	2.07	18.8	9.09
CC 35	2963	4593	154	76	20	40.3	81	2.15	18.4	8.52
NC 95	2946	3482	119	58	19	41.1	75	3.70	15.8	4.28
NC 72	2871	4026	140	70	17	37.8	76	1.87	19.1	10.18
NC 92	2825	3218	114	57	19	40.5	76	2.41	19.5	8.09
SP 168	2822	4213	150	75	19	38.8	80	2.37	17.0	7.17
NC 925	2791	4035	144	72	17	39.9	75	2.43	18.5	7.62
CC 65	2781	3910	140	71	19	39.9	82	2.53	17.3	6.85
NC 297	2752	3659	132	66	19	36.1	77	2.26	17.3	7.64
PVH 2110	2727	4851	178	86	21	40.2	82	1.96	16.7	8.55
CC 33	2725	4529	165	81	19	39.2	78	2.29	18.0	7.88
K 399	2708	3833	141	73	19	37.7	74	2.31	19.4	8.37
PVH 2254	2691	4672	174	85	19	39.3	79	1.96	21.7	11.06
PVH 1452	2686	4320	161	80	19	39.7	78	2.30	17.8	7.72
CC 37	2652	3592	134	66	19	38.2	79	1.99	18.8	9.47
GL 338	2633	4340	165	81	18	38.8	72	2.38	17.4	7.30
CC 27	2628	3575	136	68	19	39.3	78	1.84	17.0	9.23
CC 67	2621	4271	162	80	20	40.0	73	2.52	14.6	5.80
CC 1063	2599	4177	160	79	18	37.9	76	2.40	18.1	7.55
PVH 2275	2589	4112	158	78	19	38.7	74	2.31	16.8	7.30
NC 71	2550	3956	146	76	18	38.3	78	2.14	19.0	8.87
NC 196	2499	3937	159	78	18	37.5	80	2.04	19.7	9.68
GL 395	2446	3856	158	79	19	38.4	73	2.03	16.2	7.97
RJR 901	2424	3489	146	73	19	39.4	78	2.28	17.5	7.69
K 346	2375	3305	140	70	19	40.1	76	2.21	18.4	8.34
NC2326	2373	2670	113	55	16	35.0	67	2.89	17.9	6.19
GF 157	2365	3522	148	73	19	38.5	74	2.25	15.2	6.73
LSD @ 0.05	382.9	1140.7	30.9	14.2						

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 119 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 (2011-2012) 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 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, 2010, 2011 and 2012**

Variety	Yield lb/A	Value \$/A	Price Index <sup>1</sup> \$/CWT	Grade Index <sup>2</sup>	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
<b>3-Year Average 2010, 2011 and 2012</b>										
CC 65	3341	4076	122	64	20	41	82	2.71	15.1	5.65
GF 318	3257	4675	144	67	20	40	76	2.47	18.1	7.61
CC 37	3096	3994	130	66	17	40	79	2.18	17.1	7.92
PVH 1452	3086	4441	146	74	19	38	76	2.52	16.2	6.47
NC 92	3035	3394	114	60	19	40	77	2.65	16.2	6.28
SP 168	3033	4280	143	72	18	37	77	2.30	16.2	7.14
CC 700	3015	4442	147	74	19	38	76	2.61	16.4	6.63
NC 72	3002	3996	135	69	18	38	77	2.38	15.7	6.96
NC 196	2975	4294	147	74	19	39	80	2.33	17.5	7.71
K326	2933	4565	154	76	19	36	78	2.45	15.8	6.66
CC 27	2930	3822	131	67	20	38	75	2.27	14.8	6.87
GL 338	2907	4158	145	70	18	38	71	2.59	16.4	6.37
NC 297	2835	3788	135	69	19	36	78	2.58	16.5	6.56
K 399	2830	3955	140	72	19	36	76	2.34	18.3	7.82
NC 71	2817	4067	143	74	19	36	77	2.32	16.5	7.19
CC 67	2676	3744	139	71	19	37	75	2.25	16.4	7.46
K346	2663	3454	132	68	18	38	75	2.42	15.7	6.59
NC 95	2616	3632	140	69	19	40	77	3.02	15.3	5.17
NC2326	2310	2844	123	61	17	36	66	2.64	14.5	5.45
<b>2-Year Average 2011-2012</b>										
GF 318	3304	4592	140	63	19	38	75	2.18	18.7	8.60
NC 92	3195	3187	101	54	20	40	78	2.80	17.0	6.32
CC 700	3170	4676	148	75	19	38	75	2.55	16.3	6.91
SP 168	3160	4320	138	71	19	38	78	2.17	16.8	7.82
CC 37	3117	3795	123	64	19	39	79	2.07	18.1	8.76
PVH 1452	3080	4261	141	73	19	38	76	2.50	17.1	6.93
CC 65 <sup>3</sup>	3075	3563	117	63	20	41	82	2.57	16.4	6.37
NC 196	3069	4171	140	72	19	38	80	2.40	18.1	7.81
NC 72	3050	3794	126	66	18	37	78	2.27	16.5	7.70
K326	3046	4917	161	80	19	36	77	2.21	16.2	7.44
NC 297	3037	3877	128	67	19	36	78	2.71	16.7	6.40
K 399	2970	3926	132	70	19	36	74	2.36	18.7	7.91
GL 338	2954	4108	142	68	18	37	72	2.54	17.1	6.76
NC 71	2948	4172	138	73	18	37	78	2.28	17.0	7.55
CC 27	2945	3734	128	66	19	38	75	2.33	15.0	6.92
GL 395	2874	4085	144	75	19	38	76	2.21	15.6	7.14
NC 95	2836	3950	141	70	19	40	74	3.18	15.0	4.78
CC 67	2780	3829	137	71	19	39	74	2.22	16.6	7.75
K346	2745	3236	121	63	18	37	77	2.41	16.5	6.95
NC2326	2264	2460	109	54	17	35	66	2.72	15.8	5.78

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 120 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 (2011-2012) 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. Average of 2010, 2011, 2012.

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

**Tifton, Georgia:**  
**Regional Farm Flue-Cured Tobacco Variety Test -**  
**Comparison of Varieties for Certain Characteristics, 2012**

Variety	Yield lb/A	Value \$/A	Price Index <sup>1</sup> \$/CWT	Grade Index <sup>2</sup>	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
NCEX 39	3579	3982	111	55	18	37.4	72	2.56	17.6	6.91
PXH 9	3541	4689	134	66	19	38.9	70	2.40	17.5	7.31
GLEX 328	3528	4800	137	67	19	38.5	74	2.23	17.4	7.80
ULT 123	3426	5024	148	73	20	40.4	70	2.31	18.5	8.03
NCEX 24	3418	4541	133	66	18	39.8	74	2.46	18.2	7.39
ULT 113	3366	5476	162	79	18	38.8	69	2.63	16.9	6.42
CC 143	3356	4595	137	68	19	40.1	71	2.32	16.2	6.95
NCEX38	3344	4264	127	64	19	38.5	70	2.40	17.1	7.13
GLEX 362	3322	4601	139	69	21	38.4	71	2.67	17.5	6.57
K 326	3298	4438	135	67	20	37.3	71	2.74	17.8	6.50
ULT 143	3291	3906	119	59	20	38.5	73	2.70	16.7	6.18
CU 144	3174	4371	140	67	19	39.1	70	2.52	18.2	7.25
CU 124	3163	3367	106	52	22	37.2	78	2.66	16.7	6.29
PXH 1	3081	3742	123	60	20	37.9	79	2.06	17.0	8.27
NC 95	2946	3644	123	61	19	40.2	74	2.59	17.2	6.65
NC 2326	2572	2964	118	56	17	37.7	66	3.15	15.6	4.97
LSD -0.05	265.3	745.2	26.1	7.53						

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 120 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 (2011-2012) 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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