

TOBACCO

Tifton, Georgia:

Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2016

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
NC 196	3377	4771	142	71	23	43.9	62	2.00	16.4	8.20
CC 35	3325	3878	117	60	23	48.3	66	2.15	13.8	6.43
PVH 2110	3191	4698	145	74	25	44.7	64	1.98	16.8	8.47
CC 37	3155	3852	122	61	23	42.1	63	2.18	15.5	7.14
PVH 1452	3107	3855	124	63	22	43.2	62	2.62	11.9	4.54
GF 318	3088	3634	118	60	22	42.9	62	2.20	15.5	7.06
NC 940	3056	3988	130	66	23	39.3	62	2.11	16.2	7.68
GL 398	3036	3950	130	66	26	46.5	67	2.13	16.1	7.55
CC 143	3008	4474	148	76	23	42.2	63	2.11	16.4	7.79
NC 938	2996	3977	134	68	22	42.3	62	1.86	17.4	9.34
GL 395	2973	4338	146	73	21	42.3	62	2.32	12.5	5.39
PVH 1600	2953	4054	137	70	23	42.5	62	2.60	14.1	5.45
GL 394	2862	3356	117	60	23	44.6	63	2.30	14.1	6.14
NC 925	2822	3409	121	61	22	40.4	62	2.31	16.7	7.26
CC 13	2806	3685	132	66	22	42.0	62	1.87	16.4	8.77
PVH 1118	2806	3658	130	66	22	43.3	62	2.61	14.6	5.59
NC 71	2798	3309	117	59	22	39.1	64	2.62	13.6	5.19
CC 1063	2782	3508	126	63	22	41.1	62	2.05	12.6	6.17
K 346	2770	3245	117	59	21	40.3	62	2.12	14.8	6.97
NC 606	2711	3465	128	66	22	41.7	62	2.03	14.2	6.97
CC 27	2707	3487	129	65	23	42.2	62	2.02	16.8	8.30
PVH 1015	2620	3199	123	63	23	42.9	62	2.12	17.2	8.12
SP 225	2588	3139	121	60	21	41.9	62	2.11	13.0	6.17
NC 72	2584	3214	124	62	23	43.5	64	2.25	15.1	6.70
PVH 1920	2584	4288	166	82	23	41.0	62	2.31	13.9	6.03
PVH 2254	2572	3653	143	73	22	45.0	62	1.90	16.9	8.91
K 730	2525	3486	138	70	23	41.4	62	1.96	16.4	8.39
PVH 2310	2521	3664	145	74	22	42.9	62	2.42	9.4	3.90
NC 95	2378	3571	150	77	21	42.1	64	2.53	14.2	5.62
K 326	2327	3462	149	77	22	38.9	65	2.22	15.6	6.99
CC 700	2247	2731	122	61	21	37.9	62	2.72	14.0	5.17
PVH 2275	2081	2910	140	70	23	43.4	64	2.84	12.3	4.33
LSD at 0.05	635.9	1153.6	27.2	14.3						

Conducted on an Ocilla loamy sand soil fertilized with 1000 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. Irrigated as needed.

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 - the higher the number, the higher the grade.

Researched by S. LaHue with support 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, 2014, 2015, and 2016

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
3 Year Average 2014, 2015 and 2016										
NC 196	3126	4386	143	71	23	47.3	73	1.99	17.5	8.80
NC 938	3118	4222	137	69	22	45.3	75	1.89	17.1	9.07
GF 318	3086	4051	134	67	22	43.6	70	2.16	17.7	8.23
CC 143	3019	4694	154	78	23	46.1	72	1.83	17.6	9.73
PVH 2110	3004	4602	154	77	24	46.7	73	2.05	17.7	8.63
GL 398	3000	3954	133	67	23	46.4	72	2.06	17.7	8.68
CC 1063	2978	4550	153	75	22	45.3	71	2.12	15.4	7.32
CC 13	2936	4214	145	73	22	44.4	69	2.01	17.0	8.57
CC 27	2925	4205	145	73	22	43.7	68	2.15	17.7	8.30
PVH 1452	2921	4297	149	74	22	45.2	70	2.18	15.4	7.37
GL 395	2871	4239	150	75	21	44.8	69	2.31	15.2	6.70
PVH 2254	2853	4205	147	74	22	47.9	73	1.77	18.6	10.57
CC 35	2843	3753	135	67	22	49.4	71	2.13	15.8	7.51
CC 37	2836	3925	139	68	22	44.3	73	1.94	17.5	9.35
NC 925	2813	3545	126	64	22	42.9	72	2.16	17.2	8.05
NC 72	2767	3696	135	67	23	46.2	74	2.02	16.6	8.34
K 346	2737	3762	140	69	20	40.7	67	2.09	17.1	8.24
Sp 225	2733	3849	141	70	21	45.6	71	2.10	15.8	7.61
NC 71	2684	3730	139	70	22	41.7	76	2.27	16.9	7.68
PVH 2275	2678	4139	154	76	22	45.6	70	2.77	14.1	5.14
PVH 2310	2640	4384	166	82	22	47.1	73	2.23	12.2	5.54
CC 700	2620	3714	143	71	21	41.5	69	2.30	15.4	6.87
K 326	2500	3848	154	78	22	42.2	74	2.10	16.7	8.14
NC 95	2367	3472	146	75	22	46.7	74	2.19	16.9	7.90

Tifton, Georgia:
Three and Two -Year Averages of Official Flue-Cured Tobacco
Variety Test - Comparison of Released Varieties
for Certain Characteristics, 2014, 2015, and 2016 (Continued)

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
2 Year Average 2015-2016										
NC 196	2994	4501	153	77	23	47.4	68	2.00	17.2	8.61
NC 938	2925	4199	144	73	23	47.9	69	1.83	17.1	9.33
PVH 1452	2823	4201	151	75	23	46.0	65	2.23	14.5	6.92
GF 318	2794	3896	142	71	23	45.9	64	2.13	16.8	7.95
CC 37	2793	3855	140	70	23	46.6	69	1.84	17.0	9.67
GL 398	2777	3805	139	70	25	49.0	72	2.16	16.7	7.75
CC 143	2763	4513	158	80	24	47.2	68	1.92	17.1	9.05
PVH 2110	2746	4292	157	79	25	48.6	68	1.98	17.7	8.94
CC 35	2745	3641	138	70	23	52.1	71	2.03	15.4	7.66
CC 1063	2735	4069	149	73	23	46.3	68	1.99	15.0	7.59
CC 13	2715	4046	150	75	23	45.3	65	1.86	17.0	9.12
CC 27	2701	4100	152	76	22	45.0	64	1.98	17.2	8.71
NC 925	2666	3443	129	65	23	45.7	67	2.10	17.2	8.28
NC 71	2662	3318	125	63	23	42.9	70	2.25	15.8	7.39
GL 395	2607	4026	156	78	22	46.3	65	2.14	14.8	7.05
PVH 2254	2605	3723	144	74	23	49.9	68	1.72	17.9	10.54
NC 72	2572	3746	145	73	23	47.5	69	1.95	15.6	8.24
K 346	2561	3723	148	73	20	41.6	63	2.05	17.1	8.39
Sp 225	2552	3570	141	71	22	46.6	67	1.99	15.5	7.89
NC 606	2517	3759	151	76	22	47.6	67	1.94	17.0	8.85
K 326	2410	3536	147	75	22	43.4	69	1.97	16.4	8.55
PVH 2310	2377	3877	164	82	22	47.5	69	2.31	10.3	4.47
K 730	2335	3440	148	75	23	43.7	65	2.15	16.0	7.51
NC 95	2327	3198	137	71	22	47.3	69	2.26	16.5	7.50
PVH 2275	2307	3665	157	78	22	46.7	66	2.84	13.0	4.59
CC 700	2286	3401	149	73	21	42.5	64	2.32	15.2	6.85

Conducted on an Ocilla loamy sand soil fertilized with 1000 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. Irrigated as needed.

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

Researched by S. LaHue with support by grants from the Georgia Tobacco Commission.

Tifton, Georgia:
Regional Farm Flue-Cured Tobacco Variety Test -
Comparison of Varieties for Certain Characteristics, 2016

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
CU 206	2826	3466	123	63	20	42.3	64	2.12	16.9	7.99
CU 220	2786	3925	141	73	22	40.7	66	2.03	14.6	7.19
NC EX 73	2782	3828	137	71	24	45.4	73	1.91	12.1	6.32
CU 218	2776	3827	139	71	21	41.1	78	1.88	16.4	8.72
GL EX 365	2757	3735	136	70	25	44.3	77	2.19	15.4	7.05
CU 213	2743	3992	145	74	22	43.7	67	2.47	13.4	5.42
NC EX 78	2707	3761	139	72	21	44.3	74	1.83	12.7	6.95
NC EX 79	2691	3222	121	63	22	39.8	67	2.46	12.9	5.22
ULT 115	2642	3753	142	73	24	45.4	77	1.92	14.5	7.54
CU 214	2564	3296	128	67	22	44.9	68	2.11	15.2	7.20
XHN 65	2552	3651	144	73	21	41.6	74	1.94	17.0	8.79
K 326	2493	3241	130	67	21	39.6	71	1.90	14.4	7.58
XHN 58	2445	3283	135	69	21	39.8	78	1.69	17.4	10.26
NC 95	2432	3313	136	70	18	41.4	65	3.10	13.6	4.38
CU 219	2402	3485	144	73	22	42.3	78	2.46	13.3	5.40
ULT 123	2358	3086	130	68	23	43.3	78	1.36	14.4	10.59
LSD at 0.05	406.9	724.3	16.1	7.3						

Conducted on an Ocilla loamy sand soil fertilized with 1000 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. Irrigated as needed.

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 - the higher the number, the higher the grade.

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