

TOBACCO

Tifton, Georgia:

Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2014

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
CC 1063	3464	5511	159.8	77	21	43.2	77	2.39	16.2	6.78
PVH 2310	3167	5398	170.5	82	22	46.4	81	2.08	16.0	7.67
PVH 2110	3520	5223	148.1	73	22	42.9	83	2.19	17.6	8.02
PVH 2254	3350	5169	152.3	75	21	43.9	83	1.88	20.0	10.63
PVH 2275	3418	5087	148.2	73	21	43.4	79	2.62	16.4	6.25
CC 143	3530	5057	144.9	72	22	43.9	80	1.67	18.6	11.10
GL 395	3398	4664	137.3	69	20	41.7	79	2.66	15.9	5.98
NC 71	2727	4553	166.8	84	21	39.3	87	2.30	19.0	8.25
CC 13	3377	4552	134.0	68	22	42.7	78	2.30	17.2	7.48
PVH 1452	3116	4490	145.5	71	21	43.7	80	2.09	17.2	8.27
K 326	2679	4473	166.8	84	21	39.7	86	2.36	17.3	7.33
NC 939	3566	4424	124.4	62	20	41.3	82	2.36	13.6	5.78
CC 27	3372	4414	132.1	66	20	41.0	78	2.49	18.6	7.47
SP 225	3097	4407	140.1	70	21	43.5	79	2.32	16.3	7.03
GF 318	3671	4360	118.7	60	20	38.8	81	2.22	19.5	8.79
CC 700	3287	4340	132.1	66	19	39.5	78	2.27	15.7	6.90
GL 338	3187	4337	136.0	67	19	41.6	70	2.62	15.2	5.81
NC 92	3741	4266	114.4	57	20	43.0	85	2.53	17.7	6.99
NC 938	3505	4266	121.7	61	20	40.1	88	2.01	17.2	8.55
GL 398	3445	4251	120.3	61	21	41.2	ND	1.85	19.5	10.54
NC 196	3391	4155	122.3	61	22	47.2	83	1.98	18.2	9.18
CC 37	2922	4065	136.6	66	20	39.8	82	2.14	18.6	8.70
NC 95	2448	4020	164.1	83	22	45.5	85	2.04	17.7	8.68
CC 35	3041	3975	128.4	62	21	44.2	ND	2.32	16.7	7.21
SP 168	3357	3852	113.9	57	19	39.2	78	2.32	17.7	7.63
K 346	3089	3838	122.5	61	19	38.9	75	2.17	17.2	7.95
NC 925	3107	3750	119.7	61	20	37.3	83	2.29	17.3	7.57
NC2326	2164	3674	169.5	86	20	41.1	74	2.80	16.7	5.96
NC 297	2885	3603	121.9	61	20	39.1	80	2.42	16.7	6.89
NC 72	3158	3597	114.2	57	21	43.4	85	2.16	18.5	8.55
CC 33	2676	3351	127.4	64	19	38.0	91	2.10	16.2	7.73
CC 67	2217	2692	121.1	60	19	36.9	77	2.41	15.5	6.41
LSD @ 0.05	580.3	1279.7	29.2	13.3						

Conducted on an Ocilla loamy sand soil fertilized with 1000 lbs/acre of 6-6-18 and 119 lbs/acre 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 due to market inflation for 2014.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

Researched by S. LaHue and W. Gay 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, 2012, 2013, and 2014

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 2012, 2013 and 2014										
PVH 2110	3118	5082	164	81	21	44.3	79	1.90	17.8	9.63
PVH 2254	3038	5073	166	81	20	43.1	77	1.80	19.6	10.90
CC 700	3170	4903	154	77	19	40.7	73	1.96	16.7	8.65
GF 318	3303	4846	147	74	20	41.8	74	1.99	18.9	9.61
PVH 2275	2943	4760	162	80	20	41.6	74	2.21	16.6	7.73
PVH 1452	2972	4755	161	79	20	42.1	75	2.06	16.7	8.13
CC 1063	2913	4732	163	80	19	41.2	73	2.23	17.3	7.85
GL 338	2976	4703	159	78	19	41.5	70	2.22	16.7	7.89
K 326	2869	4599	161	79	20	39.8	77	2.10	18.1	8.72
NC 71	2747	4486	160	81	20	39.7	78	2.01	18.8	9.51
SP 168	3097	4424	144	72	19	39.1	77	2.19	17.7	8.19
GL 395	2916	4393	153	76	20	41.8	73	2.16	16.1	7.69
CC 27	3007	4376	146	72	20	41.6	76	1.96	17.3	9.06
CC 35	2934	4364	148	72	20	44.1	81	2.00	17.2	8.87
CC 37	2916	4284	145	71	19	40.3	77	1.93	17.6	9.16
NC 72	2997	4282	143	71	19	42.2	78	1.93	18.4	9.57
NC 196	2894	4247	149	74	21	43.6	78	1.87	18.6	10.00
CC 33	2750	4191	152	75	19	40.7	79	1.92	17.5	9.66
NC 92	3260	4122	127	63	20	42.6	77	2.31	18.0	7.86
NC 925	2901	4110	142	71	18	39.0	74	2.17	17.4	8.15
K 346	2837	4105	144	71	19	41.3	72	2.09	17.8	8.54
CC 67	2598	4065	154	76	19	40.4	72	2.20	15.6	7.36
NC 297	2854	4051	140	70	20	40.2	75	2.15	17.6	8.37
NC 95	2685	3957	149	75	20	43.9	77	2.55	16.9	7.32
NC2326	2296	3446	151	76	18	39.3	68	2.54	17.2	6.99

Tifton, Georgia:
Three- and Two-Year Averages of Official Flue-Cured Tobacco
Variety Test - Comparison of Released Varieties
for Certain Characteristics, 2012, 2013, and 2014 (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 2013-2014										
PVH 2254	3212	5273	163	79	21	45.0	76	1.72	18.6	10.82
PVH 2110	3314	5198	158	79	22	46.3	77	1.87	18.3	10.18
PVH 2275	3120	5085	164	80	20	43.0	74	2.17	16.4	7.94
GF 318	3467	5082	148	74	20	42.7	73	1.95	19.0	9.87
CC 1063	3071	5009	164	80	20	42.8	72	2.14	16.8	8.01
PVH 1452	3116	4973	160	79	21	43.4	73	1.94	16.2	8.34
GL 338	3147	4885	156	77	19	42.9	68	2.14	16.4	8.18
CC 700	3263	4884	149	75	20	41.4	72	1.97	16.1	8.42
CC 27	3196	4777	151	74	20	42.8	76	2.02	17.4	8.97
NC 71	2846	4751	167	84	20	40.4	78	1.95	18.6	9.84
K 326	2796	4668	167	84	20	40.9	76	2.09	17.6	8.58
GL 395	3151	4661	150	75	20	43.4	73	2.22	16.1	7.55
CC 37	3048	4630	150	73	19	41.4	76	1.89	17.0	9.00
NC 92	3477	4574	133	67	20	43.7	77	2.25	17.2	7.75
SP 168	3235	4530	141	70	19	39.2	76	2.10	18.0	8.70
K 346	3068	4505	146	71	20	41.9	70	2.03	17.4	8.64
NC 72	3060	4410	144	71	21	44.3	79	1.97	18.1	9.26
CC 35	2920	4250	145	70	21	46.0	80	1.92	16.6	9.05
NC 297	2905	4247	144	72	21	42.2	74	2.10	17.7	8.74
NC 95	2555	4195	164	83	20	45.2	77	1.98	17.5	8.84
NC 925	2957	4148	141	71	19	38.6	74	2.03	16.9	8.41
CC 33	2762	4022	146	72	20	41.5	80	1.74	17.3	10.55
CC 67	2587	3962	149	74	19	40.6	71	2.05	16.0	8.14
NC2326	2258	3834	170	86	18	41.5	68	2.36	16.8	7.39

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 - higher the number, higher the grade.

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

Tifton, Georgia:
Regional Farm Flue-Cured Tobacco Variety Test -
Comparison of Varieties for Certain Characteristics, 2014

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
PXH 16	3508	5076	146	72	20	44.5	76	1.98	17.9	9.05
PXH 12	3623	4785	134	68	21	44.7	77	2.35	16.6	7.09
NC EX 69	3499	4615	132	67	19	40.1	78	2.31	18.0	7.79
NC EX 40	3756	4582	123	63	21	43.7	80	2.09	17.9	8.54
CU 185	3682	4499	123	63	22	50.3	80	1.93	17.0	8.78
CU 208	3020	4299	142	71	20	43.9	73	3.12	13.7	4.40
CU 204	3200	4287	134	67	20	42.9	78	2.36	15.3	6.49
GL EX 394	3562	4208	120	60	22	46.9	ND	1.64	18.4	11.23
GL EX 309	3311	4096	125	63	22	46.8	85	1.96	17.7	9.04
NC EX 36	3246	3900	122	61	20	42.7	87	2.22	17.8	8.00
NC EX 68	3108	3804	123	61	20	39.5	78	2.38	17.3	7.28
NC 95	2872	3695	129	66	20	47.3	85	2.65	17.8	6.72
K 326	2909	3575	123	62	19	37.7	86	2.10	17.4	8.26
CU 45	3112	3447	111	55	21	45.6	80	2.56	19.2	7.49
NC 2326	2181	2650	124	60	18	38.8	67	2.97	15.3	5.15
LSD -0.05	360.1	651.3	18.0	8.9						

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 due to market inflation for 2014.
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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