

**Table 1. Performance of commercial varieties in the North Carolina Official Variety Test, three year average, 2022, 2023, and 2024.**

Variety	Yield (lb/a)	Value (\$/a)	Price (\$/cwt)	Grade Index	Days to Flower	Leaves per Plant	Plant Height (in.)	Leaf Spacing (in.)	Sol. Sug. (%)	Total Alk. (%)	Ratio Sug. To Alk.
CC143	3160	4195	134.33	69	63	21.6	40	1.84	19.84	2.38	8.34
CC145	2986	3826	129.42	66	63	21.0	41	1.94	19.22	2.48	7.75
CC603	2945	3835	131.73	67	64	21.8	39	1.80	19.97	2.49	8.02
CC607	3018	4055	134.27	68	63	21.3	40	1.88	18.94	2.34	8.09
CC700	2827	3769	132.99	67	60	20.5	38	1.86	18.26	2.68	6.81
CC1063	2838	3838	134.94	68	63	20.9	40	1.89	18.15	2.65	6.84
GF318	2887	3734	129.25	66	61	21.4	40	1.88	19.77	2.52	7.83
GL26H	3081	3931	127.87	66	63	21.1	39	1.86	20.86	2.45	8.53
GL365	3051	3946	132.65	67	68	22.8	39	1.69	19.31	2.54	7.61
GL386	2908	3778	129.68	66	62	20.7	40	1.95	19.61	2.60	7.54
GL395	2832	3745	131.51	66	61	21.0	39	1.86	18.38	2.77	6.65
K326	3122	4132	133.03	67	61	21.3	38	1.80	20.62	2.44	8.46
NC196	3033	3991	132.68	67	63	21.4	40	1.89	19.79	2.46	8.05
NC299	3032	4001	130.90	66	63	21.4	39	1.81	19.35	2.59	7.46
NC606	2878	3879	134.83	68	63	20.3	40	1.97	20.21	2.60	7.77
NC960	3160	4104	130.97	66	65	21.2	41	1.93	19.49	2.35	8.29
NC991	3328	4419	131.52	67	63	20.6	39	1.89	20.29	2.30	8.83
NC993	3306	4227	129.47	66	65	21.5	39	1.81	19.57	2.28	8.59
NC996	3404	4343	128.18	66	63	20.0	41	2.03	20.70	2.44	8.49
NC1226	3078	3916	128.70	65	65	21.4	39	1.82	18.30	2.47	7.40
PVH1920	2888	3729	129.98	66	64	22.2	39	1.76	18.89	2.54	7.44
PVH1940	2606	3527	136.41	69	62	20.9	38	1.83	14.82	2.96	5.00
PVH2254	3089	3986	128.80	65	63	21.6	41	1.90	19.89	2.32	8.58
PVH2310	2781	3814	136.88	69	62	20.7	40	1.94	17.13	2.43	7.06
PVH2343	3093	3989	127.35	64	63	21.7	41	1.88	19.18	2.28	8.42
Test Average	3013	3948	131.53	67	63	21.2	40	1.87	19.22	2.49	7.75

**Table 2. Performance of commercial varieties in the North Carolina Official Variety Test, two year average, 2023 and 2024.**

Variety	Yield	Value	Price	Grade Index	Days to Flower	Leaves per Plant	Plant Height	Leaf Spacing	Sol. Sug.	Total Alk.	Ratio Sug. To Alk.
	(lb/a)	(\$/a)	(\$/cwt)				(in.)	(in.)	(%)	(%)	
CC143	2938	3638	126.69	65	59	21.3	39	1.86	20.44	2.29	8.94
CC145	2816	3416	124.26	63	60	20.4	41	2.00	19.41	2.42	8.02
CC603	2828	3471	126.32	64	61	21.5	39	1.83	20.07	2.49	8.07
CC607	2795	3572	129.33	64	59	20.8	40	1.90	19.06	2.25	8.46
CC700	2643	3322	126.47	63	57	19.9	38	1.89	18.41	2.56	7.19
CC1063	2644	3351	129.80	65	60	20.2	40	1.98	18.42	2.45	7.51
GF318	2702	3252	122.19	62	57	20.7	40	1.92	20.51	2.37	8.67
GL26H	2847	3476	126.22	64	59	20.3	39	1.91	21.31	2.50	8.53
GL365	2894	3715	131.07	66	64	22.4	38	1.70	19.23	2.53	7.61
GL386	2855	3518	125.30	64	59	20.3	40	1.98	19.72	2.55	7.74
GL395	2591	3196	124.67	63	57	20.2	39	1.94	18.40	2.71	6.78
K326	2893	3694	129.35	65	55	20.9	38	1.80	21.15	2.38	8.89
K346	2502	3144	129.27	64	61	19.9	38	1.92	18.85	2.35	8.01
NC196	2884	3662	129.67	65	61	20.9	40	1.93	20.46	2.45	8.34
NC299	2913	3525	123.81	62	60	20.6	39	1.88	19.66	2.52	7.79
NC606	2690	3467	130.33	65	60	19.7	40	2.01	20.50	2.59	7.90
NC960	3032	3699	124.47	62	64	20.8	40	1.95	19.95	2.29	8.73
NC991	3002	3699	123.62	62	60	20.2	38	1.90	20.22	2.34	8.63
NC993	3135	3772	124.69	62	62	21.3	38	1.80	19.85	2.18	9.11
NC996	3281	3992	122.38	62	59	20.0	41	2.06	21.12	2.40	8.80
NC1006	3264	3927	124.80	63	59	20.0	40	2.02	20.43	2.24	9.12
NC1007	3169	3895	127.75	64	60	19.8	42	2.11	20.14	2.32	8.68
NC1226	2895	3441	122.45	62	62	21.0	38	1.83	18.83	2.35	8.00
PVH1920	2699	3406	131.08	66	60	21.6	39	1.79	19.01	2.49	7.62
PVH1940	2501	3296	133.41	66	59	20.4	39	1.92	14.93	2.78	5.37
PVH1980	2667	3344	129.06	65	58	20.5	38	1.86	16.61	2.38	6.98
PVH2233	3171	3926	126.27	64	63	22.0	40	1.82	20.75	2.07	10.01
PVH2254	2914	3509	121.95	61	59	21.0	40	1.92	19.62	2.33	8.42
PVH2310	2664	3528	135.79	67	58	20.0	40	2.00	17.21	2.31	7.44
PVH2343	3005	3578	121.59	61	60	21.0	40	1.92	19.97	2.13	9.36
PXH53	3008	3703	125.84	63	60	20.6	39	1.91	20.00	2.57	7.79
Test Average	2887	3574	126.68	64	60	20.6	39	1.91	19.54	2.41	8.17

**Table 3. Performance of commercial varieties in the North Carolina Official Variety Test, combined over Kinston, Rocky Mount, and Oxford 2024.**

Variety	Yield (lb/a)	Value (\$/a)	Price (\$/cwt)	Grade Index	Days to Flower	Leaves per Plant	Plant Height (in.)	Leaf Spacing (in.)	Sol. Sug. (%)	Total Alk. (%)	Ratio Sug. To Alk.
CC143	3127	3346	108.44	57	56	22.4	41	1.84	20.04	2.19	9.16
CC145	3055	3294	109.27	57	54	21.8	43	1.97	18.61	2.30	8.09
CC603	3104	3369	110.01	57	58	22.7	41	1.82	20.02	2.28	8.79
CC607	2911	3290	114.62	59	56	21.9	41	1.89	18.67	2.10	8.89
CC700	2722	3055	112.94	57	53	21.3	39	1.83	17.76	2.39	7.43
CC1063	2871	3179	111.67	57	57	21.5	42	1.94	17.62	2.26	7.81
GF318	2839	2917	103.07	53	54	22.2	42	1.88	19.88	2.22	8.95
GL26H	3119	3355	111.13	58	57	22.0	40	1.82	19.53	2.58	7.58
GL365	3123	3551	114.79	59	60	24.1	40	1.65	18.29	2.41	7.59
GL386	3031	3166	105.42	56	55	21.4	42	1.96	19.50	2.41	8.09
GL395	2707	2963	110.12	56	55	21.4	41	1.93	17.38	2.64	6.57
K326	3013	3288	109.37	56	53	22.4	40	1.78	20.87	2.19	9.53
K346	2658	2830	109.06	56	57	21.1	40	1.91	18.79	2.20	8.54
NC71	3281	3445	106.22	55	57	21.8	39	1.77	19.38	2.53	7.65
NC196	3164	3557	112.96	58	54	22.2	43	1.93	20.10	2.37	8.49
NC299	3196	3381	106.07	54	55	22.0	41	1.84	19.31	2.19	8.82
NC606	2794	3166	114.29	58	56	21.0	42	1.98	20.32	2.60	7.82
NC960	3178	3193	102.02	52	60	21.5	42	1.94	19.77	2.14	9.22
NC991	3009	3278	110.29	56	57	21.2	39	1.86	19.79	2.27	8.70
NC993	3161	3251	105.56	55	59	22.5	40	1.77	18.67	2.00	9.33
NC996	3437	3418	99.91	52	56	20.8	43	2.05	20.61	2.22	9.27
NC1006	3393	3661	109.29	57	53	20.9	41	1.97	19.91	2.19	9.09
NC1007	3303	3438	110.30	56	57	20.9	43	2.06	19.81	2.20	9.01
NC1111	3313	3599	110.88	57	55	21.4	41	1.90	21.01	2.43	8.65
NC1113	3227	3396	106.22	55	58	21.5	40	1.88	20.24	2.19	9.25
NC1226	3132	3191	103.99	54	59	22.1	40	1.82	17.94	2.10	8.54
PVH1920	2821	2973	110.38	56	55	22.7	40	1.77	18.84	2.33	8.08
PVH1940	2607	2950	113.72	59	56	22.2	41	1.83	14.28	2.64	5.40
PVH1980	2727	3044	111.82	58	53	22.4	41	1.82	16.22	2.36	6.89
PVH2233	3332	3629	110.80	57	60	23.1	41	1.79	20.32	1.88	10.82
PVH2254	3058	3143	103.34	53	57	22.7	42	1.86	18.15	2.36	7.70
PVH2310	2766	3222	116.86	60	54	21.5	42	1.96	16.93	2.09	8.11
PVH2343	3184	3209	102.43	53	58	22.2	42	1.88	19.11	2.00	9.56
PXH53	3256	3577	111.12	58	58	21.6	40	1.87	19.07	2.58	7.40
PXH70	3161	3566	113.23	58	58	21.6	41	1.90	20.00	2.40	8.33
Test Avg	3051	3282	109.19	56	56	21.88	41	1.88	19.05	2.29	8.38

**Table 4. Performance of commercial varieties in the North Carolina Official Variety Test, Oxford, NC, 2024.**

Variety	Yield (lb/a)	Value (\$/a)	Price (\$/cwt)	Grade Index	Days to Flower	Leaves per Plant	Plant Height (in.)	Leaf Spacing (in.)	Sol. Sug. (%)	Total Alk. (%)	Ratio Sug. To Alk.
CC143	2534	3130	123.40	64	-	24.6	47	1.93	19.23	1.90	10.12
CC145	2539	3234	126.53	65	-	23.1	47	2.03	16.57	2.13	7.77
CC603	2770	3459	124.40	63	-	25.0	48	1.93	20.57	1.87	11.02
CC607	2501	3289	131.47	68	-	23.0	46	1.98	16.50	1.97	8.39
CC700	2573	3229	125.27	65	-	23.7	45	1.88	15.47	2.37	6.54
CC1063	2369	2868	122.07	63	-	22.6	45	1.97	14.69	2.20	6.68
GF318	2645	2958	111.97	57	-	23.7	47	2.00	19.00	2.17	8.77
GL26H	3104	3733	120.03	62	-	23.5	45	1.91	20.03	2.27	8.84
GL365	2965	3903	131.53	68	-	25.9	44	1.71	15.37	2.20	6.98
GL386	2742	3291	119.97	62	-	23.5	49	2.07	19.50	2.20	8.86
GL395	2440	3063	125.53	65	-	22.7	46	2.04	14.53	2.33	6.23
K326	2644	3088	117.37	61	-	23.5	41	1.74	17.60	2.23	7.88
K346	2180	2786	127.67	66	-	22.2	45	2.01	15.60	1.87	8.36
NC71	2892	3550	122.83	63	-	23.2	42	1.83	16.93	2.20	7.70
NC196	3071	3843	125.63	65	-	23.3	47	2.01	18.23	2.23	8.16
NC299	2929	3487	118.90	62	-	24.1	45	1.85	18.00	1.97	9.15
NC606	2572	3121	121.10	63	-	21.7	45	2.09	18.83	2.43	7.74
NC960	2520	3000	118.87	60	-	22.3	45	2.01	18.00	2.03	8.85
NC991	2531	3197	126.67	66	-	22.8	44	1.92	15.70	2.06	7.61
NC993	2682	3286	122.40	63	-	23.3	44	1.90	14.73	1.87	7.89
NC996	3647	3752	114.10	60	-	22.4	48	2.13	14.50	2.33	6.21
NC1006	3313	3943	119.20	62	-	21.6	44	2.05	18.67	2.03	9.18
NC1007	2672	3372	125.83	64	-	21.9	50	2.29	18.13	2.17	8.37
NC1111	2793	3494	125.27	64	-	21.8	45	2.07	19.43	2.20	8.83
NC1113	2685	3299	122.87	64	-	22.9	47	2.05	17.27	2.13	8.09
NC1226	2546	3077	120.90	63	-	23.6	44	1.85	15.53	1.93	8.03
PVH1920	2448	2840	127.69	66	-	23.0	44	1.92	16.40	2.23	7.34
PVH1940	2319	2960	126.67	64	-	23.9	45	1.88	11.80	2.33	5.06
PVH1980	2470	2785	112.83	59	-	24.7	45	1.82	12.47	2.37	5.27
PVH2233	2620	3236	123.40	63	-	23.5	43	1.81	17.33	2.17	8.00
PVH2254	2842	3265	114.80	58	-	24.4	47	1.92	14.83	2.47	6.01
PVH2310	2324	2778	120.17	62	-	22.1	45	2.04	12.70	2.10	6.05
PVH2343	2704	3199	118.27	61	-	22.9	45	1.96	18.97	2.07	9.18
PXH53	2990	4516	133.37	68	-	23.7	46	1.94	18.10	2.30	7.87
PXH70	3024	3574	118.90	61	-	21.9	44	2.02	17.27	2.40	7.19
Test Avg	2703	3303	122.51	63	-	23.20	45	1.96	16.81	2.16	7.84

**Table 5. Performance of commercial varieties in the North Carolina Official Variety Test, Kinston, NC, 2024.**

Variety	Yield (lb/a)	Value (\$/a)	Price (\$/cwt)	Grade Index	Days to Flower	Leaves per Plant	Plant Height (in.)	Leaf Spacing (in.)	Sol. Sug. (%)	Total Alk. (%)	Ratio Sug. To Alk.
CC143	3213	3622	113.27	60	53	20.2	40	1.97	19.03	2.53	7.51
CC145	3251	3915	120.60	63	53	20.1	43	2.12	21.25	2.50	8.50
CC603	3073	3534	115.93	60	54	20.2	40	1.97	19.27	2.67	7.22
CC607	3025	3794	125.43	64	52	19.7	40	2.03	17.30	2.60	6.65
CC700	2707	3552	131.00	67	52	19.3	38	1.95	18.80	2.67	7.05
CC1063	3090	3512	113.57	59	53	20.6	41	1.98	17.93	2.57	6.99
GF318	3015	3469	115.93	60	52	21.4	41	1.94	20.13	2.30	8.75
GL26H	3213	3380	105.77	56	53	20.3	40	1.96	20.03	3.00	6.68
GL365	2963	3568	120.33	62	57	22.5	38	1.67	18.77	2.73	6.87
GL386	2687	3174	117.77	62	54	19.8	40	2.04	16.40	2.70	6.07
GL395	2907	3542	122.17	63	53	19.9	42	2.10	18.07	3.00	6.02
K326	3306	4049	122.33	62	53	21.1	40	1.92	22.67	2.40	9.44
K346	2772	3156	114.10	59	53	20.1	40	2.01	20.20	2.40	8.42
NC71	3355	3792	112.83	59	53	20.4	38	1.88	21.07	3.10	6.80
NC196	3177	3868	121.70	63	54	20.8	42	2.02	21.77	2.50	8.71
NC299	3347	3935	117.63	61	54	20.0	40	1.98	18.70	2.90	6.45
NC606	2776	3604	130.00	65	52	20.1	42	2.07	20.33	2.97	6.85
NC960	3580	3812	105.97	56	54	20.5	41	2.01	20.40	2.17	9.42
NC991	3298	3954	119.90	61	53	20.6	40	1.96	21.37	2.43	8.78
NC993	3042	3409	112.73	58	56	21.7	38	1.73	19.77	2.27	8.72
NC996	3349	3591	106.53	61	52	19.6	41	2.11	23.33	2.27	10.29
NC1006	2867	3353	117.70	62	54	19.6	40	2.05	20.26	2.60	7.79
NC1007	3548	3839	121.17	62	54	19.7	43	2.17	19.43	2.47	7.88
NC1111	3308	4163	125.73	64	52	20.3	40	1.95	19.93	2.87	6.95
NC1113	3391	3934	115.83	60	53	20.4	39	1.91	21.30	2.40	8.88
NC1226	3328	3796	114.70	60	55	20.5	40	1.94	17.83	2.57	6.95
PVH1920	2807	3380	120.53	62	52	21.1	39	1.84	19.97	2.63	7.58
PVH1940	2751	3188	116.20	60	53	20.1	40	1.98	14.60	2.73	5.35
PVH1980	2942	3419	116.33	61	52	20.0	41	2.04	18.00	2.53	7.11
PVH2233	3568	4353	122.27	63	57	21.3	42	1.96	21.70	1.93	11.22
PVH2254	3052	3527	115.50	61	53	21.1	42	1.99	19.73	2.02	9.76
PVH2310	3027	3747	124.03	64	53	20.1	43	2.12	19.40	2.07	9.39
PVH2343	3135	3339	106.03	54	53	20.8	41	1.99	19.03	2.17	8.78
PXH53	3244	3990	123.13	63	52	20.6	40	1.94	19.13	2.90	6.60
PXH70	3162	3593	113.47	59	54	21.3	41	1.91	22.30	2.50	8.92
Test Avg	3122	3653	117.66	61	53	20.45	40	1.98	19.69	2.54	7.87

Table 6. Performance of commercial varieties in the North Carolina Official Variety Test, Rocky Mount, NC, 2024.

Variety	Yield	Value	Price	Grade Index	Days to Flower	Leaves per Plant	Plant Height	Leaf Spacing	Sol. Sug.	Total Alk.	Ratio Sug. To Alk.
	(lb/a)	(\$/a)	(\$/cwt)				(in.)	(in.)	(%)	(%)	
CC143	3741	3430	90.18	49	62	22.5	36	1.62	21.93	2.43	9.01
CC145	3374	2733	80.67	42	59	22.0	39	1.76	20.07	2.27	8.85
CC603	3469	3113	89.70	47	59	23.0	38	1.66	20.23	2.30	8.80
CC607	3206	2785	86.97	45	60	23.0	38	1.67	22.20	1.73	12.81
CC700	2886	2384	82.57	40	54	20.7	35	1.67	19.00	2.13	8.91
CC1063	3155	3156	99.37	50	60	21.2	40	1.90	19.97	2.00	9.98
GF318	2856	2323	81.30	40	55	21.5	37	1.71	20.50	2.20	9.32
GL26H	3041	2951	96.90	50	60	22.1	35	1.59	18.53	2.47	7.51
GL365	3442	3182	92.50	47	63	23.9	37	1.56	20.73	2.30	9.01
GL386	3349	2628	78.53	38	56	20.9	37	1.78	22.60	2.33	9.69
GL395	2774	2283	82.67	41	56	22.6	36	1.58	19.53	2.60	7.51
K326	2999	2651	88.90	46	53	22.6	36	1.59	22.33	1.93	11.55
K346	3021	2550	85.40	43	61	20.9	35	1.69	20.57	2.33	8.81
NC71	3594	2992	83.00	42	64	21.7	35	1.61	20.13	2.30	8.75
NC196	3243	2962	91.53	46	54	22.4	39	1.76	20.30	2.37	8.58
NC299	3313	2722	81.67	40	56	22.1	38	1.71	21.23	1.70	12.49
NC606	3034	2773	91.77	47	60	21.3	38	1.78	21.80	2.40	9.08
NC960	3435	2768	81.23	40	65	21.9	39	1.79	20.90	2.23	9.36
NC991	3164	2593	82.30	41	61	20.3	34	1.68	22.62	2.37	9.56
NC993	3759	3057	81.53	43	61	22.3	38	1.68	21.50	1.87	11.52
NC996	3664	2911	79.10	40	60	20.5	39	1.92	21.77	2.07	10.53
NC1006	3601	3270	90.97	48	55	21.5	39	1.82	20.77	1.93	10.74
NC1007	3688	3101	84.10	43	59	21.1	41	1.97	19.63	1.97	9.98
NC1111	4185	3139	81.63	43	58	22.0	37	1.70	23.67	1.93	12.24
NC1113	3648	2911	78.23	41	62	19.0	35	1.86	22.17	2.03	10.90
NC1226	3523	2702	76.37	39	62	22.1	37	1.68	20.88	2.10	9.94
PVH1920	3255	2736	82.43	42	59	23.5	37	1.58	20.17	2.13	9.45
PVH1940	2750	2701	98.30	52	60	22.5	37	1.65	16.43	2.57	6.40
PVH1980	2769	2927	106.30	55	54	22.4	36	1.63	18.20	2.17	8.40
PVH2233	3807	3297	86.73	45	63	23.9	40	1.65	21.93	1.53	14.30
PVH2254	3279	2637	79.73	41	63	22.6	38	1.68	20.15	1.87	10.78
PVH2310	2948	3142	106.37	55	55	22.3	39	1.73	18.70	2.10	8.90
PVH2343	3714	3088	83.00	44	63	22.9	39	1.71	19.33	1.77	10.94
PXH53	3533	2721	76.87	38	64	20.5	36	1.73	19.97	2.53	7.88
PXH70	3298	3532	107.33	55	62	21.7	38	1.76	20.43	2.30	8.88
Test Avg	3329	2881	87.03	44	59	21.94	37	1.71	20.60	2.15	9.75