

**MEAN REDUCING SUGARS¹ AND NICOTINE² CONTENTS FOR NC 2326,
NC 95, K 326 AND SPEIGHT G-28 OVER A 13-YEAR
PERIOD IN THE NORTH CAROLINA OFFICIAL VARIETY TEST**

The North Carolina Official Variety Test is grown at five locations in the state, Whiteville, Kinston, Rocky Mount, Oxford and Reidsville, each year. The test is grown in three replications of an RCB design, and nicotine and reducing sugar analyses are conducted on lamina samples drawn from each replication at each location. Hence, a mean value for any constituent in any one year is expected to be based upon a sample of n = 15. Chemical analyses were not conducted on the 1992 crop because of financial exigencies.

Year	NC2326	NC95	Mean of Checks	K 326	% of Checks	Spt G-28	% of Checks
1981	16.26 ¹ 3.37 ²	17.07 3.16	16.66 32.6			16.53 2.64	99 80
1982	10.31 3.36	11.24 3.41	10.77 3.38	11.68 2.66	108 79	9.00 2.71	83 80
1983	13.28 3.72	15.28 3.57	14.28 3.64	14.06 3.13	98 86	13.98 2.98	98 82
1984	17.77 2.54	18.25 2.75	18.01 2.64	17.42 2.43	97 92	17.08 2.24	95 85
1985	19.49 2.89	20.54 2.88	20.01 2.88	19.99 2.57	100 89	20.29 2.35	101 82
1986	14.28 3.39	16.27 3.22	15.27 3.30	15.52 2.81	102 85	15.25 2.73	100 83
1987	17.13 2.84	18.41 2.85	17.77 2.84	19.48 2.53	110 89	18.35 2.46	103 87
1988	17.03 2.98	16.95 3.10	16.99 3.04	16.87 2.80	99 92	16.74 2.69	98 88
1989	21.41 2.05	21.59 2.20	21.50 2.12	21.94 1.96	102 92	21.26 2.07	99 98
1990	20.08 2.98	19.85 2.83	19.96 2.90	19.92 2.69	100 93	19.92 2.50	100 86
1991	19.84 2.62	18.80 2.94	19.32 2.78	19.27 2.44	100 88	18.71 2.51	97 90
1993	12.87 3.57	14.52 3.48	13.69 3.52	15.00 2.92	109 83	14.24 2.69	104 76

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