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VIRGINIA
CORN
PERFORMANCE
TESTS

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**Corn Performance Tests in Virginia in 1959
Virginia Agricultural Experiment Station
Blacksburg, Virginia**

Compiled by

Ed Shulkeum

Cooperators

C. W. Roane - Plant Pathology and Physiology

R. J. Freund - Statistics Department

C. Y. Kramer - Statistics Department

Field Station Superintendents

Painter - E. M. Dunton

Warsaw - H. M. Camper

Holland - M. W. Alexander

Petersburg - M. T. Carter

Charlotte Courthouse - R. D. Sears

Chatham - M. J. Rogers

Orange - G. D. Jones

Steeles Tavern - W. H. McClure

Emory - F. S. McClaugherty

Burke's Garden - J. S. Moss and J. L. McDonald

Hillsville - Howard Turner and G. C. Price

Dryden - C. H. Coomer and J. P. Lyle

Corn Performance Tests in Virginia in 1959

This report presents the results of the corn hybrid performance tests conducted in Virginia in 1959. An attempt is being made to evaluate all hybrids being offered for sale in Virginia, but there is no intent to imply that hybrids that have not been entered in these tests will not perform well under Virginia conditions.

Purpose of Testing and Evaluating Corn Hybrids

For purposes of testing and evaluating corn hybrids the state of Virginia was divided into five regions. These regions are Southern Coastal Plain, Northern Coastal Plain, Northern Piedmont, Southern Piedmont, West of the Blue Ridge. These regions differ in elevation, soils, and climatic conditions.

Special tests were made for special conditions within the regions. The Burke's Garden test was for the purpose of testing varieties suitable to elevations around 3,000 feet. Other special tests, like Dryden, Carroll and Weyer's Cave were made to more thoroughly cover the large region West of the Blue Ridge. Special tests for earliness, Holland and Warsaw, were for varieties needed to produce corn for early cash corn market and early pig market.

With very few exceptions, hybrids tested at two or more locations within the region were the same. When two or more tests were conducted within the region, the yield results are reported for each individual location, and other results are reported as average results for tests in the region.

An attempt was made in 1959 to obtain more descriptive data on the hybrids tested. Such factors as plant and ear height, length of shank, length of husk, and disease ratings, were obtained at several locations and are reported in the tables. While such factors as yield, standability,

moisture at harvest, and quality of grain, are of great importance, other characteristics often determine the desirability of a hybrid for a farmer.

Since many farmers select a hybrid because of various characteristics of the hybrid, it was felt that the recommended list published in past years would be dispensed with, and that the outstanding characteristics of the hybrids tested would be underscored.

By underscoring the outstanding characteristics of the various hybrids tested, it was felt the farmer could more readily and easily select the hybrid which would best suit his needs.

Growing Conditions for 1959

The growing season during 1959 caused considerable variations in the corn yields within the various regions of the state. In the Southern Coastal Plain, the data from Petersburg and Holland indicate that the growing conditions were normal for the middle and latter part of the growing season. Although abnormal conditions occurred in the early part of the season, as indicated by the high moisture content at harvest of varieties known to be early from previous test results.

In the Northern Coastal Plain, the yield data from Painter on the Eastern Shore, indicate that considerable drought existed at some time during the growing season. The yields for all varieties are low, yet the plant height is normal, which would indicate that the drought occurred during the middle and latter part of the growing season. The yields for Warsaw, although better than Painter yields, are somewhat below normal.

The yields reported from Charlotte Courthouse and Chatham in the Southern Piedmont, were about equal and averaged only about two-thirds the expected normal yield. The plant heights reported from both stations were also about the same, yet in both cases the plants were below their normal height.

From the above information we would conclude that the rainfall for the entire growing season was below normal.

All data from the Orange station in the Northern Piedmont region would indicate that a severe drought existed during the entire growing season. The yields were one-fifth of normal and the plant height about one-half normal.

In the West of the Blue Ridge area, two stations, Emory and Steele's Tavern, reported fairly normal results. Blacksburg results were poor. The yield was low and the plants were shorter than normal. The growing conditions in the area were spotted. Normal conditions existed in some parts of the area as shown by Emory and Steele's Tavern. Semi-drought conditions were noticeable in other sections and prolonged drought or below normal rainfall existed in other sections as shown by the Blacksburg results.

Experimental Procedure

Every effort was made to obtain unbiased comparisons of the hybrids being tested. Cultural practices, however, were not uniform from test to test, being determined largely by the cooperators who conducted the tests. Co-operators' names are included at the end of the table for each location.

Procedures used in obtaining data on yield, moisture at harvest, lodged and broken stalks, and quality of grain were similar to those used in previous years. Other plant characteristics were scored visually. Leaf blight ratings were made by Dr. C. W. Roane, Associate Professor of Plant Pathology. Hybrids are arranged in the tables in estimated order of maturity for each test based on moisture percentage in the grain at harvest. All tests consisted of four (4) replications, planted in a design submitted by the Statistics Department of V.P.I. The data for 1959 were computed by the IBM section of the Statistics Department under the direction of Dr. R. J. Freund.

Contributors of Seed

Seed of open-pedigree hybrids was obtained principally from Virginia certified seed growers, although some was supplied by the Virginia Agricultural Experiment Station. Seed of Virginia experimental hybrids was produced by hand-pollination by the Virginia Agricultural Experiment Station. Seed of privately controlled hybrids was obtained from the companies developing or distributing those hybrids. The list of hybrid brand names and the source of seed for these tests of hybrids sold under each brand is as follows:

<u>Hybrid Trade Name</u>	<u>Source of Seed - Contributors of Seed</u>
Buchanan	C. J. Buchanan, New Market, Va.
Broadbent	Broadbent Hybrids, Cobb, Ky.
Coker	Coker Pedigreed Seed Co., Hartsville, S. C.
DeKalb	DeKalb Agricultural Assn., DeKalb, Ill.
Funk G Goldline	Funk Bros. Seed Co., Bloomington, Ill. Wm. G. Scarlett & Co., Baltimore, Md.
Kenworthy	Kenworthy Seeds, Greenfield, Ohio
McNair	McNair Seed Co., Laurinburg, N. C.
Muncy Chief	Hoffman Seed & Grain Co., Muncy, Pa.
PAG	Pfister Hybrids, Black & Abbott Farms, Walnut, Ill.
Park	Park Seed Farms, Urbana, Ohio
Pioneer	Pioneer Hybrid Corn Co., Tipton, Indiana
Rink Ruff	Wm. F. Rink & Sons, Sun Prairie, Wis. Herbert N. Ruff, Amanda, Ohio
Southern States (SS)	Cooperative Seed & Farm Supply Service, Richmond, Va.
Supercrost	E. J. Funk & Sons, Kentland, Indiana
Todd	Todd Seed Corn, Mt. Airy, Maryland
Wood	T. W. Wood & Sons, Richmond, Va.

Station Hybrids Tested in 1959

<u>Hybrid</u>	<u>Pedigree</u>
Va 3	(WF9 x Pa70) (Hy 3 x C103)
Va 10	(Va 31 x Va 35C) (Oh 43 x Oh 45)
Va 16	(WF9 x T8) (Va 15 x Hy3)
Va 18	(") (Va 14a x Hy 3)
Va 30	(Va 17b x Hy 3) (Oh 43 x K155)
Va 81	(Va 31 x Oh 51A) (Oh 43 x L15-8-351)
Va 82	(Va 31 x Oh 51A) (Oh 43 x L16-8-352)
Va 83	(") (Oh 43 x L16-8-355)
Va 84	(") (Oh 43 x Va 15-8-1)
Va 88	(") (Oh 43 x Va 25)
Va W64D	(Va 32 x Oh 51A) (Oh 43 x Oh 45)
Va 107	(Va 31 x L16-8-352) (Oh 43 x Va 15-8-1)
Va 119	(Va 31 x L15-8-351) (Oh 43 x Va 25)
Va 124	(Va 31 x L16-8-355) (Oh 43 x Va 25)
Va 126C	(Va 31 x C103) (Oh 43 x Oh 45)
Va 126D	(Va 32 x C103) (")
Va 126t	(Va 17 x C103) (")
Va 135	(Va 31 x 43C-153) (Hy 3 x Va 15)
Va 138	(Va 31 x Va 36c-52) (Oh 43 x Mo 5)
Va 144	(Va 31 x C103) (Oh 43 x Va 25)
Va 148	(Va 32 x C103) (Oh 43 x Va 26b)
Va 148C	(Va 31 x T8) (Hy 3 x C103)
Va 149	(Va 32 x C103) (Oh 43 x Va 25)
Va 150	(Va 32 x C103) (Oh 43 x Mo.5)
Va 1530	(Va 32 x T8) (Oh 43 x K155)
Va 160	(Va 31 x Va 35c) (Hy 3 x Va 28)
Va 162	(WF9 x Va 27) (Hy 3 x Va 36C-52)
Va 163	(") (Hy 3 x Mo 5)
Va 164	(") (" x C103)
Va 310	(WF9 x W24) (Oh 43 x Hy3)
Va 502C	(Va 31 x Oh 51A) (Oh 43 x Hy 3)
Va 506C	(") (M10 x Hy3)
Va 510	(") (Oh 43 x Pa 70)
Va 514	(WF9 x Pa 70) (Hy 3 x C103) - Same as Va 3
Va 514C	(Va 31 x ") (")
Va 518C	(Va 31 x C103) (Oh 43 x Pa70)
Va 556	(Va 28 x Hy 3) (Va 17b x C103)
Va 608C	(Va 31 x Oh 51A) (Oh 43 x Va 24)
Va 651	(WF9 x Hy 3) (Oh 43 x Pa 70)
Va 699	(WF9 x T8) (Oh 43 x Va 12a)
Va 730	(") (Hy 3 x ")
Va 733	(Va 31 x T8) (Ab 16 x Hy 3)
Va 736	(") (Ab 16 x C103)
Va 750C	(Va 31 x Va 35c) (Hy 3 x Va 28)
VPI 426	(WF9 x C103) (Oh 43 x Oh45)
VPI 639	(WF9 x T8) (Oh 43 x Hy 3)
VPI 646	(") (38-11 x C103)
VPI 648	(") (Hy 3 x ")
VPI 653	(") (Oh 43 x K155)
Ohio W-64	(WF (x Oh 51A) (Oh 43 x Oh 45)
US 13	(WF9 x 38-11) (Hy x L317)
US 262A	(Kys x Hy) (CI 2 x CI 3A)

Three Year Summary - Southern Coastal Plain - 1957-58-59

Variety	Moisture at Harvest %	Lodged & Broken %	Quality Score*	Yield	
				Percent of Check	Bu/A
<u>SS Pocahontas</u>	20.2	<u>9</u>	<u>3.0</u>	<u>102</u>	86.4
<u>Pioneer 338A</u>	20.4	<u>10</u>	<u>2.8</u>	<u>96</u>	81.8
<u>Funk G76</u>	20.6	<u>7</u>	<u>3.2</u>	<u>101</u>	85.4
<u>Funk G95A</u>	20.7	<u>5</u>	<u>2.6</u>	<u>99</u>	84.4
<u>Pioneer 301A</u>	20.7	<u>9</u>	<u>3.0</u>	<u>102</u>	87.0
<u>Todd 602</u>	20.8	<u>7</u>	<u>3.1</u>	97	82.6
<u>Va 126C</u>	21.4	<u>3</u>	<u>2.7</u>	94	79.4
<u>Funk G91</u>	21.4	<u>5</u>	<u>2.8</u>	<u>104</u>	88.4
<u>VPI 426</u>	21.5	<u>6</u>	<u>3.0</u>	<u>92</u>	78.0
<u>DeKalb 630</u>	21.7	<u>7</u>	<u>3.2</u>	94	79.9
<u>Va 126T</u>	22.1	<u>3</u>	<u>3.4</u>	<u>103</u>	87.6
<u>Funk G134</u>	22.3	<u>6</u>	<u>3.1</u>	<u>104</u>	88.6
<u>DeKalb 803A</u>	22.4	<u>7</u>	<u>3.0</u>	<u>106</u>	89.6
<u>VPI 646</u>	22.4	<u>7</u>	<u>3.0</u>	<u>106</u>	89.9
<u>VPI 653</u>	22.4	<u>13</u>	<u>3.1</u>	99	83.9
<u>Wood V26Y</u>	22.4	<u>5</u>	2.9	98	83.2
<u>Funk G144</u>	22.6	<u>9</u>	<u>3.2</u>	<u>107</u>	91.0
<u>VPI 648</u>	22.7	<u>6</u>	<u>3.0</u>	95	80.8
<u>Pioneer 312A</u>	23.5	<u>8</u>	<u>3.0</u>	<u>105</u>	89.1
<u>Wood V44</u>	23.6	10	<u>3.1</u>	<u>107</u>	90.9
<u>Funk G704</u>	23.7	<u>8</u>	2.9	97	82.8
<u>PAG 444</u>	24.0	<u>7</u>	2.9	<u>104</u>	88.5
<u>US 262A</u>	25.0	<u>15</u>	<u>3.1</u>	<u>113</u>	95.8
<u>US 578</u>	25.3	15	<u>3.4</u>	<u>112</u>	95.3
<u>Pioneer 309A</u>	25.7	<u>6</u>	<u>3.3</u>	<u>108</u>	91.8
Check Values	22.5	9	3.0	100	84.9

Check = Averages of VPI 646, VPI 648, VPI 653

Cooperators: M. W. Alexander, M. T. Carter

*Ratings are from 1 = very poor to 5 = excellent

Two Year Summary - Southern Coastal Plain - 1958-59

Variety	Moisture at Harvest %	Lodged & Broken %	Quality Score*	Yield	
				Percent of Check	Bu/A
Todd 620B	19.3	4	3.3	92	94.1
SS Pocahontas	19.6	6	3.2	98	98.9
Pioneer 338A	19.9	7	2.7	91	92.6
Pioneer 301A	20.2	5	3.1	100	102.1
Funk G76	20.3	3	3.2	95	96.9
Funk G95A	20.3	3	2.7	87	88.8
Funk G91	20.7	6	2.8	102	103.9
DeKalb 630	20.9	4	3.3	92	93.7
Todd 602	21.2	5	3.1	94	95.9
Va 126C	21.2	1	2.3	83	84.9
VPI 426	21.6	2	3.0	86	88.2
Funk G134	21.7	5	3.3	102	104.6
Todd 635	21.8	2	3.0	93	94.5
DeKalb 803A	21.9	5	3.3	101	102.8
Wood V26Y	21.9	1	3.0	96	98.4
Funk G144	22.0	5	3.3	107	109.7
VPI 646	22.1	5	3.3	106	108.7
VPI 648	22.1	5	3.2	94	95.9
Va 126D	22.2	3	2.8	95	96.6
Va 126t	22.2	1	3.2	94	95.6
Va 733	22.2	3	3.2	99	101.2
Va 736	22.2	2	3.2	101	103.1
VPI 653	22.3	5	3.3	100	101.7
Wood V30	22.3	5	3.1	104	105.9
Va 556	22.4	4	3.5	108	110.2
Coker 616	22.5	6	3.9	98	99.7
Funk G704	22.9	8	3.2	97	99.3
PAG 444	23.3	3	2.9	102	104.3
Wood V44	23.4	6	3.2	106	108.7
Pioneer 312A	23.5	5	3.2	102	104.1
US 262A	23.7	9	3.4	115	117.9
US 578	25.0	8	3.8	115	117.7
Pioneer 309A	25.2	4	3.5	109	111.7
Check Values	22.2	5	3.3	100	102.1

*Quality Score: 1 = very poor to 5 = excellent
 Check = Averages of VPI 646, VPI 648, VPI 653
 Cooperators: M. W. Alexander, M. T. Carter

Summary of Corn Performance Tests at Petersburg and Holland, Southern Coastal Plain Region, 1959

Variety	1959 Yield		Average of Two Locations												
	Peters- burg Bu/A	Hol- land Bu/A	Yield Bu/A	% of Ck.	H ₂ O at Harvest	Lodged and Broken	Days to Silk	Qual. Score	Ears /100 Plts.	% Bar- ren	Plt. Ht. Ft.	Ear Ht. Ft.	Husk Rat- ing*	Shank Rat- ing*	Leaf Blight Rating*(1)
Todd 620B	77.5	94.2	85.9	86	18.3	6	70	2.8	99	3	6.3	2.6	2.8	3.4	3.3
Pioneer 338A	78.6	90.8	84.7	85	18.5	10	71	2.3	97	4	5.9	2.6	3.2	3.7	4.0
SS Pocahontas	85.3	95.4	90.4	90	18.8	7	71	3.4	103	1	6.1	2.8	2.8	3.5	3.3
DeKalb 633	84.2	105.9	95.1	95	19.5	9	70	3.1	95	3	6.4	3.0	3.2	2.9	3.8
SS Shawnee	77.4	92.8	85.1	85	19.5	6	70	3.1	101	2	5.9	2.4	3.3	3.7	3.5
Funk G76	77.2	104.4	90.8	91	19.6	4	69	3.0	97	3	5.4	2.3	3.5	3.7	3.5
PAG 415	81.3	98.5	89.9	90	19.6	3	69	2.9	105	3	5.8	2.7	2.4	2.8	4.3
Pioneer 301A	88.2	105.9	97.1	97	19.6	7	72	3.5	97	2	6.3	2.6	3.8	3.2	3.6
DeKalb 814	81.5	92.9	87.2	87	19.7	7	70	3.0	100	3	6.3	2.8	3.7	3.3	3.6
Funk G95A	83.8	105.8	94.8	95	19.9	4	71	2.7	100	2	6.3	2.8	3.5	3.8	3.9
Va126C	61.6	80.2	70.9	71	20.0	3	70	1.8	88	7	5.7	2.4	2.5	2.5	4.6
Funk G91	82.3	104.1	93.2	93	20.1	5	71	2.4	92	1	6.3	3.0	3.4	3.7	4.0
DeKalb 898A	88.1	109.4	98.8	99	20.3	9	70	3.0	99	2	6.2	2.8	3.7	3.3	3.3
Va 150	75.3	91.8	83.6	84	20.3	2	71	2.4	96	2	5.8	2.3	2.5	2.4	4.6
Pioneer 1363	103.2	115.5	109.4	109	20.4	8	73	3.4	102	4	7.2	3.4	3.5	2.9	4.1
Va 164	78.0	94.4	86.2	86	20.4	5	68	2.7	93	4	6.6	3.0	2.3	2.7	4.0
DeKalb 630	78.7	101.7	90.2	90	20.5	3	68	3.2	96	3	6.0	2.7	3.3	3.0	4.1
Todd 602	85.4	97.1	91.3	91	20.5	8	70	3.0	96	2	5.7	2.3	2.7	3.4	3.6
Va 162	88.9	92.7	90.8	91	20.6	3	74	3.1	94	4	5.7	2.5	3.0	3.2	4.1
Va 514	80.4	101.0	90.7	91	20.6	5	74	2.8	98	2	6.6	2.9	4.0	2.8	4.3
DeKalb 812	75.5	91.4	88.5	89	20.7	4	67	2.8	95	3	6.0	2.7	3.0	2.9	4.1
Wood V26Y	79.3	110.5	94.9	95	20.7	3	72	3.0	95	5	6.1	2.8	3.8	2.9	4.4
Funk G134	89.9	105.3	97.6	98	20.8	6	68	3.1	88	2	6.6	3.1	3.7	3.3	3.9
SS Munsee	91.0	99.5	95.3	96	20.8	9	72	3.3	97	4	5.9	2.6	3.4	2.8	4.3
VPI 648	78.2	98.8	88.5	89	20.8	7	72	3.1	92	3	6.1	2.8	3.5	2.8	4.4
Todd 635	81.7	91.0	86.4	86	20.9	3	71	2.8	93	2	6.2	2.7	3.2	2.9	3.8
Va 736	93.2	108.2	100.7	101	20.9	4	71	3.0	95	3	7.1	3.4	3.0	3.3	4.4
DeKalb 640	77.1	96.7	86.9	87	21.0	4	73	3.0	101	2	6.2	2.8	4.2	3.4	4.1
Funk G144	100.8	108.1	104.5	105	21.0	7	69	3.3	103	1	6.0	2.5	3.4	3.7	4.0
Va 10	87.0	97.0	92.0	93	21.0	5	70	3.0	97	2	6.6	3.0	3.5	3.0	4.4
Va 18	92.5	105.4	99.0	99	21.0	8	70	3.4	97	2	6.7	3.1	3.0	2.8	4.0
Va 30	89.3	99.5	94.4	95	21.0	2	69	3.1	99	1	6.8	3.1	3.5	3.0	4.6

Va 518C	82.7	103.5	93.1	93	21.0	2	71	2.8	98	2	6.3	2.8	2.9	2.5	4.6
VPI 639	89.3	118.7	104.0	104	21.0	6	70	3.3	99	2	6.3	2.6	3.0	3.0	4.5
Va 126D	70.4	100.4	85.4	85	21.1	4	71	2.4	95	2	6.0	2.6	2.9	2.3	4.4
DeKalb 660A	75.6	96.7	86.2	86	21.2	3	72	2.8	99	3	6.1	2.6	3.3	3.0	3.8
Va 16	95.3	102.3	98.8	99	21.2	8	72	3.2	100	1	6.5	3.2	2.6	3.0	4.3
Va 163	85.3	94.7	90.0	90	21.2	2	72	2.9	94	4	5.8	2.4	3.4	2.4	3.5
VPI 426	72.5	91.3	81.9	82	21.2	3	71	2.6	94	5	5.7	2.5	2.9	3.2	4.6
Va 733	84.9	103.6	94.3	94	21.3	5	70	3.0	98	2	6.9	3.0	2.9	2.8	3.9
Wood V30	83.6	118.1	100.9	101	21.3	7	71	2.8	95	5	6.6	3.0	3.4	2.8	4.8
DeKalb 803A	91.8	106.3	99.1	99	21.4	6	69	3.3	97	3	6.6	3.0	3.8	3.0	3.5
VPI 646	95.6	108.7	102.2	102	21.5	6	74	3.4	95	3	6.6	3.0	3.3	3.3	4.4
Wood V44	86.8	114.2	100.5	101	21.5	6	73	3.2	95	4	6.7	3.1	3.7	2.8	5.0
Va 126t	69.3	99.0	84.2	84	21.6	1	72	2.7	95	6	5.7	2.7	2.5	2.2	4.9
Va 138	68.8	98.7	83.8	84	21.6	2	70	2.5	93	4	5.6	2.3	3.0	2.4	4.0
VPI 653	104.2	104.7	104.5	105	21.6	7	70	3.7	97	1	6.9	2.9	3.4	3.8	4.6
Funk G704	85.2	105.8	95.5	96	21.7	9	72	3.2	98	3	6.6	3.0	3.9	3.2	3.9
McNair 304	68.8	99.6	84.2	84	21.7	7	71	3.3	95	5	6.6	3.1	3.9	3.0	3.4
SS Catawba	94.6	108.2	101.4	101	21.7	7	72	3.6	102	3	6.5	2.9	3.5	3.5	4.1
Va 153D	76.5	90.8	83.7	84	21.7	6	71	2.8	92	6	6.9	3.1	3.5	3.6	4.4
Va 556	100.9	111.3	106.1	106	21.7	5	72	3.6	101	3	7.2	3.2	3.8	3.0	4.4
Va 148C	89.4	96.8	93.2	93	21.8	4	72	3.2	95	3	5.9	2.6	3.3	3.2	3.5
Va 699	84.5	102.0	93.3	93	21.9	6	71	3.2	95	3	6.7	3.1	2.8	2.9	4.4
Va 730	89.6	96.6	93.1	93	21.9	6	72	3.2	93	6	6.6	3.1	2.7	2.3	4.5
PAG 434	102.6	114.7	108.7	109	22.0	5	72	3.4	100	2	6.8	3.2	2.9	3.8	3.9
SS Cherokee	91.6	103.1	97.4	98	22.0	6	71	3.4	101	1	6.5	3.1	2.4	2.4	4.0
PAG 444	101.0	105.3	103.2	103	22.2	3	71	3.1	101	2	6.9	3.3	2.8	2.9	4.5
US 262A	101.9	116.8	109.4	109	22.9	12	75	4.1	96	2	7.7	3.8	3.3	3.5	3.9
Pioneer 312A	90.6	113.6	102.1	102	23.1	1	72	3.4	99	2	7.0	3.2	4.4	3.3	4.3
Pioneer 309A	106.0	113.6	109.8	110	23.3	2	75	3.5	97	3	6.8	3.4	4.5	3.8	4.4
Coker 616	111.7	118.8	115.3	115	24.6	6	74	4.2	108	2	6.8	3.3	3.8	3.0	3.9
US 578	102.3	123.5	112.9	113	24.6	9	75	3.7	98	2	7.8	3.4	4.2	3.8	4.5
Pioneer 309B	104.4	113.7	109.1	109	24.8	3	76	4.3	107	2	7.1	3.2	4.4	3.3	4.1
Check Values		100.0	100	21.2	7	72	3.4	96	2	6.5	2.8	3.3	3.2	4.5	

Check = Averages of VPI 639, VPI 646, VPI 648, VPI 653

Cooperators: M. W. Alexander, M. T. Carter

*Ratings are from 1 = very poor to 5 = excellent

(1) Leaf Blight Rating from Holland

Two Year Average - Holland Early Corn - 1958-59

Variety	H ₂ O	Lodged	Qual. Score	Yield	
	at Harv.	& Broken		% of Check	Bushels Per Acre
	%	%	*		
Pioneer 354	20.7	2	3.1	104	107.2
Pioneer 329	20.8	1	3.2	102	105.7
Funk G76	21.5	0	3.8	104	107.4
SS Pocahontas	22.0	1	3.4	105	108.6
Todd 635	22.3	2	3.2	105	108.8
DeKalb 630	22.4	0	3.5	105	108.4
Va 310	22.4	2	3.3	113	117.1
Todd 602	22.8	2	3.3	105	108.8
VPI 426	22.8	0	3.0	95	98.4
Va 126C	23.0	0	3.2	103	106.5
Wood V26Y	23.0	0	3.0	112	115.8
Check Values	22.4	1	3.2	100	103.5
Check = average of SS Pocahontas and VPI 426					

Three Year Average - Holland Early Corn - 1957-58-59

Pioneer 354	20.0	9	3.2	101	101.6
Funk G76	21.1	10	3.6	103	103.6
SS Pocahontas	21.3	11	3.3	103	103.0
Va 310	21.8	8	3.3	108	108.1
DeKalb 630	21.9	7	3.3	102	102.5
VPI 426	21.9	3	3.1	97	97.3
Va 126C	22.1	9	3.1	101	101.4
Todd 635	22.2	5	3.1	104	104.0
Check Values	21.6	7	3.2	100	100.2
Check = average of SS Pocahontas, VPI 426					

Cooperator: M. W. Alexander

* Quality Score - from 1 = very poor to 5 = excellent

Holland Early Corn Test - 1959

Variety	H ₂ O	Lodged	Qual. Score	Yield		Ears/	Barren	Plant	Ear	Husk	Shank	Leaf
	at Harv.	& Broken		% Of Check	Bu/A	100 Plants		Height	Height	Rating	Rating	Blight
	%	%	*				%	Ft.	Ft.	*	*	*
Pioneer 372	18.5	2	3.3	83	89.0	102	2	6.5	3.0	2.5	2.0	3.5
Pioneer 371	18.6	2	2.5	89	95.2	98	1	6.0	2.5	2.5	3.0	3.0
Pioneer 354	18.9	2	3.2	103	109.6	98	2	7.0	3.0	3.0	3.0	2.8
Pioneer 329	19.1	1	3.3	108	114.7	98	1	6.5	3.0	2.5	3.0	2.6
DeKalb 414	19.2	2	2.9	91	96.9	98	0	6.5	2.5	2.5	4.0	2.6
Va 83	19.4	0	2.8	80	84.8	99	0	6.5	2.5	3.0	4.0	2.8
Pioneer 345	19.5	1	3.3	109	115.8	98	2	6.5	2.5	3.0	5.0	2.8
Funk G76	19.6	0	3.6	102	108.9	97	0	6.5	3.0	3.0	3.0	2.6
Va 84	20.1	2	3.1	95	101.8	102	1	6.5	2.5	3.0	4.0	2.5
DeKalb 423	20.2	0	2.6	88	93.7	95	2	6.5	2.5	2.5	4.0	2.8
Funk G95A	20.2	2	2.9	110	117.0	98	0	7.0	3.0	2.5	4.0	2.9
SS Shawnee	20.2	2	2.9	95	101.4	102	0	6.5	3.0	2.5	4.0	2.9
Va. 126D	20.3	0	2.8	103	110.2	93	2	7.0	3.0	2.5	3.0	1.4
Va. 107	20.4	0	2.6	87	93.2	95	1	6.5	2.5	2.5	2.0	2.4
SS Pocahontas	20.5	1	3.4	103	109.7	98	0	6.0	2.5	3.0	4.0	2.9
DeKalb 630	20.8	0	3.4	106	113.5	99	1	6.5	2.5	3.0	3.0	2.1
DeKalb 440	20.9	0	3.0	91	97.3	98	2	7.0	3.0	3.0	3.0	2.4
Todd 635	20.9	2	2.9	101	107.9	97	0	6.5	3.0	3.0	4.0	2.8
VPI 426	21.3	0	2.9	97	103.5	94	1	6.5	2.5	2.5	2.0	1.8
Va 510	21.3	1	2.9	94	100.5	101	0	6.5	2.5	3.0	2.0	1.8
Va 310	21.5	2	3.2	99	105.4	100	0	6.5	3.0	3.0	3.0	2.6
Va 126C	21.6	0	2.9	103	109.7	99	1	6.5	2.5	2.5	4.0	1.5
Todd 602	21.8	2	3.1	100	106.4	99	0	6.0	2.5	2.5	3.0	2.4
Wood V26Y	21.9	0	2.9	109	116.0	98	1	7.0	3.0	3.0	4.0	2.0
DeKalb 660A	22.1	0	3.1	104	111.0	102	1	6.5	2.5	3.0	2.0	2.3
Check Values	20.9	1	3.2	100	106.6	96	1	6.3	2.5	2.8	3.0	2.4

Check - average of SS Pocahontas and VPI 426

Cooperator: M. W. Alexander

* Ratings - from 1 = very poor to 5 = excellent

Three Year Summary - Northern Coastal Plain - 1957-58-59

Variety	Moisture at Harvest %	Lodged & Broken %	Quality Score*	Yield	
				Percent of Check	Bu/A
Va 126C	16.6	<u>3</u>	3.1	88	68.8
Pioneer 301A	16.8	15	3.3	99	77.2
Funk G95A	16.9	<u>7</u>	2.7	98	76.9
<u>Funk G91</u>	17.1	<u>7</u>	3.2	<u>100</u>	78.0
<u>SS Pocahontas</u>	17.1	<u>10</u>	<u>3.6</u>	95	74.0
Supercrost 1005A	17.2	13	<u>3.5</u>	95	74.1
DeKalb 630	17.3	15	<u>3.5</u>	97	75.8
Todd 602	17.3	<u>10</u>	<u>3.6</u>	93	72.8
<u>Funk G134</u>	17.6	12	<u>3.5</u>	<u>104</u>	81.2
Va 514C	17.6	<u>6</u>	<u>3.5</u>	97	76.1
VPI 426	17.6	<u>8</u>	3.0	90	70.2
Wood V26Y	17.9	<u>8</u>	<u>3.5</u>	93	72.5
<u>Pioneer 1363</u>	18.0	13	<u>3.4</u>	<u>102</u>	79.8
Va 126t	18.2	<u>4</u>	<u>3.7</u>	<u>100</u>	78.2
<u>DeKalb 803A</u>	18.3	15	3.3	<u>102</u>	80.0
VPI 646	18.4	13	3.1	99	77.6
<u>Funk G144</u>	18.5	<u>10</u>	<u>3.8</u>	<u>107</u>	83.4
Va 126D	18.7	<u>9</u>	3.1	94	73.7
<u>VPI 648</u>	18.7	12	<u>3.6</u>	99	77.1
<u>Funk G704</u>	19.3	12	3.1	<u>105</u>	81.8
<u>PAG 444</u>	19.3	<u>10</u>	<u>3.6</u>	<u>100</u>	78.5
<u>Pioneer 312A</u>	19.3	<u>11</u>	<u>3.7</u>	<u>106</u>	82.9
<u>Wood V44</u>	19.5	18	<u>4.3</u>	<u>106</u>	82.6
<u>VPI 653</u>	19.6	<u>9</u>	<u>3.6</u>	<u>102</u>	79.3
Check Value	18.9	11	3.4	100	78.0

Check = Averages of VPI 646, VPI 648, VPI 653

Cooperators: H. M. Camper, E. M. Dunton

*Quality Score: From 1 = very poor to 5 = excellent

Two Year Average - Northern Coastal Plain - 1958-59

Variety	Moisture at Harvest %	Lodged & Broken %	Quality Score*	Yield	
				Percent of Check	Bu/A
Funk G76	16.6	8	2.5	96	86.8
Pioneer 301A	16.8	16	3.3	97	88.4
Funk G95A	17.0	8	2.9	98	88.5
SS Pocahontas	17.1	12	3.5	93	84.7
Supercrost 1005A	17.1	17	3.7	95	86.6
Funk G91	17.2	10	3.4	101	91.4
Todd 645	17.3	7	4.0	96	86.7
Supercrost 88E	17.4	9	3.3	96	87.4
Va 126C	17.4	5	2.9	82	74.0
DeKalb 630	17.7	13	3.3	92	83.2
Pioneer 1363	17.8	16	3.3	105	95.0
Todd 602	17.8	12	3.6	93	84.0
Todd 635	17.8	5	3.4	101	91.4
Pioneer 305	17.9	8	3.6	95	86.2
Va 3	17.9	7	3.3	97	87.8
DeKalb 633	18.1	7	3.1	102	92.7
VPI 426	18.1	7	2.7	85	77.5
Va 736	18.3	9	3.9	100	91.0
Wood V26Y	18.4	6	3.6	92	83.8
Funk G134	18.5	11	3.4	101	91.7
Va 126t	18.5	5	4.0	96	86.8
VPI 646	18.5	8	3.3	102	92.2
DeKalb 803A	18.6	13	3.0	102	92.6
Va 126D	18.6	8	3.3	92	83.7
Va 556	18.7	5	3.5	111	100.3
Funk G144	18.8	7	3.6	105	95.5
Va 733	19.1	11	3.7	100	90.7
VPI 653	19.1	9	3.3	98	89.2
VPI 648	19.3	8	3.9	100	90.6
Wood V30	19.3	10	3.3	96	86.8
Wood V44	19.4	14	4.5	110	99.4
PAG 444	19.6	10	3.7	99	89.4
Pioneer 312A	19.6	10	3.7	107	97.5
Funk G704	19.7	12	3.1	106	95.8
Check Value	19.0	8	3.5	100	90.7

Check = Averages of VPI 646, VPI 648, VPI 653

Cooperators: H. M. Camper, E. M. Dunton

*Quality Score: From 1 = very poor to 5 = excellent

Summary of Corn Performance Tests at Painter and Warsaw, Northern Coastal Plain Region, 1959

Variety	1959 Yield		Average of Two Locations											
	Pain- ter Bu/A	War- saw Bu/A	Yield Bu/A	% of Ck.	H ₂ O at Harvest	Lodged and Broken	Days to Silk	Qual. /100 Score*	Ears /100 Plts.	% Bar- ren	Plt. Ht. Ft.	Ear Ht. Ft.	Husk Rat- ing*	Shank Rat- ing*(1)
Todd 620B	52.5	79.1	65.8	91	15.4	9	63	3.2	86	21	6.0	2.6	2.9	4.3
Funk G76	59.2	86.6	72.9	101	15.6	7	62	2.8	91	23	6.0	2.5	3.0	3.5
Todd 645	47.3	87.7	67.5	93	16.1	9	62	3.9	77	33	6.4	3.0	3.4	3.8
Pioneer 301A	58.8	85.7	72.3	100	16.2	9	64	3.2	82	22	5.5	2.7	3.2	3.8
Funk G95A	55.4	88.7	72.1	100	16.3	8	62	3.0	83	27	5.9	3.1	3.4	3.3
Supercrost 1005A	43.5	95.0	69.3	96	16.3	14	65	3.7	83	39	6.3	3.2	3.3	3.8
Va 126C	39.0	76.6	57.8	80	16.3	6	61	3.3	77	36	5.8	2.3	2.6	3.0
Va 135	45.4	86.4	65.9	91	16.4	18	62	3.4	80	37	5.9	2.7	2.8	3.5
Supercrost 88E	60.3	80.2	70.3	97	16.6	10	62	3.0	82	27	6.4	2.8	3.1	4.0
Funk G91	53.8	93.8	73.8	102	16.7	9	63	3.2	81	28	6.3	3.0	3.4	4.0
SS Shawnee	55.9	77.8	66.9	93	16.7	14	61	3.2	89	21	6.4	2.8	3.3	3.5
Goldline 379	55.9	84.9	70.4	98	16.8	15	64	3.3	85	16	5.8	3.0	3.0	3.8
DeKalb 630	48.9	84.3	66.6	92	17.0	14	61	3.2	84	29	6.0	2.7	3.0	4.0
Va 518C	52.9	85.7	69.3	96	17.0	7	62	3.4	81	32	6.1	2.9	2.9	4.0
DeKalb 640	61.1	89.8	75.5	105	17.1	3	63	2.9	94	20	6.1	2.9	3.2	4.5
SS Pocahontas	62.2	81.9	72.1	100	17.2	11	63	3.4	91	17	6.1	2.8	3.2	3.8
Todd 635	61.6	83.9	72.8	101	17.2	6	62	2.8	92	19	6.4	2.8	3.2	4.3
Pioneer 305	52.5	92.1	72.3	100	17.3	10	64	2.8	82	24	6.4	3.0	3.6	4.0
Pioneer 363	58.0	100.3	79.2	110	17.3	17	65	2.9	86	21	6.1	3.5	3.5	4.0
Va 126D	50.1	78.7	64.4	89	17.3	11	62	3.0	85	25	5.6	2.5	2.7	4.3
DeKalb 814	53.0	79.0	66.0	91	17.4	9	62	2.8	83	27	6.0	2.8	3.4	4.8
DeKalb 898A	59.7	95.3	77.5	107	17.4	16	63	3.2	87	24	6.0	3.2	3.4	4.3
Supercrost CIF	65.0	83.7	74.4	103	17.5	7	63	3.0	89	12	6.1	3.0	3.0	4.3
Va 164	45.9	93.4	69.7	97	17.5	11	65	2.5	80	31	6.4	3.2	3.3	4.0
Va 514C	54.8	88.8	71.8	99	17.5	9	63	2.9	84	24	6.3	3.2	3.2	4.5
DeKalb 633	63.9	93.0	78.5	109	17.6	8	64	2.8	86	16	6.1	3.2	3.2	4.3
Va. 126t	47.5	85.3	66.4	92	17.6	5	61	3.5	77	23	5.6	2.6	2.7	3.8
Funk G144	62.2	97.9	80.1	111	17.7	5	63	3.7	86	22	6.3	2.9	3.1	3.8
Goldline 378	64.7	95.9	80.3	111	17.7	14	65	2.8	82	23	6.1	3.3	3.4	3.5
Todd 602	54.8	78.8	66.8	93	17.7	16	61	2.9	89	19	6.1	2.6	2.8	4.0
Va 10	46.8	92.0	69.4	96	17.7	8	63	3.7	78	46	5.8	3.2	3.2	3.8
Va 160	57.5	93.7	75.6	105	17.7	7	63	3.3	89	24	6.1	3.1	3.0	3.8
Va 651	54.2	88.0	71.1	98	17.7	9	64	3.2	83	27	6.5	3.0	2.8	4.5

Wood V26Y	51.6	87.6	69.6	96	17.7	6	65	3.3	83	25	6.6	3.2	3.1	3.8
Funk G134	51.1	92.3	71.7	99	17.8	13	64	2.9	79	34	6.0	3.2	3.7	3.8
Va 736	42.1	104.6	73.4	102	17.8	13	64	3.9	78	38	6.1	3.2	3.2	3.0
VPI 646	54.2	102.1	78.2	108	17.8	7	64	3.2	85	25	6.3	3.3	3.1	3.5
Va 162	57.8	103.6	80.7	112	17.9	9	63	2.8	91	31	6.6	3.2	3.5	4.0
Supercrost C2F	63.0	94.2	78.6	109	18.0	13	65	3.2	92	20	6.1	3.1	3.1	3.8
DeKalb 803A	56.7	95.7	76.2	106	18.1	17	63	2.5	90	21	5.9	3.0	2.7	4.3
VPI 426	44.3	84.0	64.2	89	18.1	8	62	3.2	79	31	6.1	2.6	2.9	4.5
Va 30	51.3	97.3	74.3	103	18.2	9	64	3.4	90	24	5.9	3.2	3.4	4.3
Va 150	47.1	79.8	63.5	88	18.2	7	62	3.4	75	35	5.9	2.5	3.0	4.0
VPI 653	40.0	99.3	69.7	97	18.2	10	63	3.2	82	37	6.0	3.1	3.1	4.3
Va 16	51.0	96.4	73.7	102	18.3	15	63	3.8	83	24	6.3	3.3	3.1	3.0
Va 18	54.8	89.4	72.1	100	18.3	12	62	3.0	86	22	6.4	3.0	2.5	3.5
Va 699	38.3	93.8	66.1	92	18.4	11	62	3.5	75	47	5.6	2.8	2.8	3.5
Va 733	63.5	90.8	77.2	107	18.4	15	63	3.3	93	21	6.4	3.0	2.9	3.0
PAG 444	62.1	105.0	83.6	116	18.5	11	63	3.5	94	18	6.3	3.1	3.3	3.5
DeKalb 660A	60.6	86.1	73.4	102	18.6	6	62	2.7	93	22	6.0	2.8	2.9	4.5
Funk G704	59.0	93.1	76.1	105	18.6	10	65	2.9	85	24	6.3	3.1	3.0	4.0
SS Cherokee	60.2	106.6	83.4	116	18.6	10	64	3.7	91	21	6.6	3.3	3.1	3.8
Va 556	65.1	102.3	83.7	116	18.6	4	64	2.9	89	23	6.4	3.5	2.7	3.8
Wood V30	41.6	99.2	70.4	98	18.6	7	66	3.3	94	39	6.0	3.6	3.6	2.3
DeKalb 869	48.3	96.2	72.3	100	18.8	9	63	3.4	80	37	6.3	3.3	3.4	4.0
SS Munsee	42.0	98.9	70.5	98	18.8	12	64	3.5	87	28	5.8	3.0	2.9	4.8
Va 730	44.7	100.9	72.8	101	18.8	8	65	3.5	86	25	6.3	3.0	2.6	4.0
VPI 639	49.3	93.1	71.2	99	18.8	7	63	4.0	87	33	6.3	2.9	2.9	3.3
Va 148C	61.5	99.0	80.3	111	18.9	9	63	3.3	87	23	6.3	3.4	3.1	3.0
VPI 648	43.2	89.3	68.8	95	18.9	8	63	3.2	82	27	6.3	3.1	3.2	3.5
Wood V44	46.3	105.9	76.1	105	18.9	12	66	4.0	85	27	6.4	3.5	3.3	3.8
Pioneer 312A	69.3	104.5	86.9	120	19.0	10	67	2.8	90	13	6.5	3.4	3.2	3.5
Va 163	48.7	95.5	72.1	100	19.1	7	64	3.4	81	29	5.8	3.0	2.7	4.0
SS Catawba	55.5	105.2	80.4	111	19.3	11	63	3.9	93	21	6.4	3.2	3.6	3.5
Check Value			72.2	100	18.3	8	63	3.2	83	30	6.2	3.2	3.1	3.8

Check = Averages of VPI 646, VPI 648, VPI 653

Cooperators: H. M. Camper, E. M. Dunton

*Ratings = From 1 = very poor to 5 = excellent

(1) Shank Rating from Warsaw

Warsaw Early Corn Test - 1959

Variety	H ₂ O	Lodged	Qual. Score	Yield		Ears/ 100 Plants	Ear Height	Husk Rating	Shank Rating
	at Harv.	& Broken		% of Check	BU/A				
	%	%	*				Ft.	*	*
Pioneer 371	15.5	5	2.5	93	73.1	102	2.0	2.3	3.0
Va 107	16.4	9	2.9	93	73.0	101	2.1	2.1	3.8
Va 84	16.9	13	2.8	101	79.2	96	2.5	2.3	2.8
Funk G76	17.3	3	3.3	110	86.2	95	2.5	2.4	3.5
Pioneer 372	17.7	16	2.3	86	67.7	102	2.1	2.5	3.3
Va 83	17.8	6	2.5	86	67.3	98	2.1	2.1	3.8
Va 510	17.9	3	3.3	99	78.1	93	2.5	2.4	3.0
DeKalb 414	18.1	10	2.5	93	73.2	99	2.1	2.3	3.5
SS Shawnee	18.2	6	2.9	104	82.0	100	2.8	2.5	3.8
Va 126C	18.2	3	2.8	97	76.1	94	2.6	2.3	3.5
Pioneer 354	18.4	3	3.3	97	76.1	100	3.4	2.5	3.3
Todd 635	18.5	4	3.0	109	85.7	97	2.5	2.3	3.5
Pioneer 345	18.8	2	2.8	103	81.1	94	2.4	2.5	3.0
Funk G95A	19.1	5	3.0	112	87.9	95	2.4	2.4	3.5
SS Pocahontas	19.1	5	2.9	94	73.5	95	2.6	2.6	3.5
DeKalb 630	19.5	10	3.5	115	90.6	98	2.5	2.5	3.8
VPI 426	19.7	2	3.3	106	83.6	96	2.4	2.4	3.3
Todd 602	19.8	13	3.3	103	80.6	96	2.3	2.3	3.8
Va 310	19.8	12	3.3	104	81.5	103	2.8	2.8	3.8
DeKalb 440	20.0	3	3.0	97	76.1	97	2.4	2.4	3.5
DeKalb 423	20.1	12	2.8	90	70.9	97	2.6	2.4	3.5
DeKalb 660A	20.1	5	3.0	102	80.0	98	2.9	2.4	3.8
Pioneer 329	20.3	10	3.3	112	88.0	102	2.8	2.6	3.3
Va 126D	20.4	2	4.0	102	79.8	102	3.3	2.5	3.3
Wood V26Y	20.7	2	4.0	124	97.5	97	3.0	2.6	3.5
Check Values	19.4	4	3.1	100	78.6	96	2.5	2.5	3.4

Check = average of SS Pocahontas and VPI 426

Cooperator: H. M. Camper

* Ratings = from 1 = very poor to 5 = excellent

Two Year Summary - Northern Piedmont - 1958-59

Variety	H ₂ O at Harv.	Lodged & Broken	Quality Score	Yield	
	%	%	*	% of Check	Bushels Per Acre
Pioneer 329	17.9	4	2.3	<u>105</u>	76.1
Buchanan 1666	18.6	<u>3</u>	2.3	95	69.2
Funk G95A	18.9	5	2.1	91	66.4
<u>Pioneer 301A</u>	18.9	<u>2</u>	2.5	<u>101</u>	73.6
Pioneer 319	18.9	<u>7</u>	2.2	<u>107</u>	77.8
Supercrost 88E	19.0	7	2.4	95	69.4
Buchanan 680	19.2	5	2.5	96	69.6
Funk G76	19.2	7	2.7	91	66.3
Ruff 188	19.2	<u>2</u>	2.5	94	68.4
Va 126C	19.2	<u>4</u>	2.4	87	63.3
<u>Pioneer 317A</u>	19.3	<u>3</u>	2.5	<u>102</u>	73.9
<u>Funk G91</u>	19.5	<u>4</u>	2.4	<u>108</u>	78.4
Todd 630	19.6	<u>2</u>	2.4	93	67.4
Muncy Chief 520	19.7	<u>3</u>	2.3	93	67.6
Pioneer 305	19.8	5	2.4	<u>101</u>	73.5
<u>VPI 426</u>	19.8	<u>3</u>	<u>2.9</u>	95	68.8
<u>Funk G134</u>	19.9	<u>6</u>	<u>2.6</u>	<u>100</u>	73.0
<u>DeKalb 633</u>	20.0	<u>3</u>	<u>3.3</u>	<u>105</u>	76.1
Muncy Chief 730	20.0	<u>4</u>	2.7	91	66.4
<u>Ruff 320</u>	20.0	<u>1</u>	<u>3.0</u>	<u>109</u>	79.1
<u>Wood V26Y</u>	20.0	<u>3</u>	2.5	97	70.2
Todd 602	20.2	<u>3</u>	<u>3.0</u>	94	68.2
DeKalb 630	20.3	5	2.4	101	73.1
<u>VPI 648</u>	20.4	<u>2</u>	<u>2.8</u>	<u>100</u>	73.0
Kenworthy 55	20.8	<u>6</u>	2.2	<u>94</u>	68.4
<u>Pioneer 1363</u>	20.8	<u>2</u>	2.5	<u>108</u>	78.7
DeKalb 640	20.9	<u>2</u>	2.7	90	65.6
<u>Kenworthy 50</u>	20.9	<u>2</u>	2.3	<u>105</u>	76.1
Va 556	20.9	<u>4</u>	<u>2.8</u>	<u>116</u>	84.3
<u>Wood V30</u>	21.6	<u>3</u>	2.7	<u>100</u>	72.8
<u>Wood V44</u>	21.6	6	2.7	<u>101</u>	73.1
<u>VPI 646</u>	21.7	4	2.7	99	72.2
<u>Pioneer 312A</u>	22.2	<u>3</u>	2.7	<u>109</u>	79.3
<u>VPI 653</u>	22.2	<u>4</u>	<u>2.8</u>	<u>105</u>	76.6
<u>Funk G144</u>	22.4	4	2.7	<u>105</u>	76.2
Check Values	21.0	3	2.8	100	72.7

Check = averages of VPI 426, VPI 643, VPI 653

Cooperator: G. D. Jones

* Quality Score - from 1 = very poor to 5 = very good

Summary of Corn Performance Tests Conducted at Orange, Northern Piedmont Region, 1959

Variety	Days	Lod- ged %	Bro- ken %	H ₂ O at Harv. %	Yield		Quality Score *	Ears/ 100 Plants	Barren %	Plant Height Ft.	Ear Height Ft.	Husk Rating *	Shank Rating *
	to Silk				BU/A	% of Check							
Muncy Chief 306	72	0	0	14.2	15.6	53	1.0	59	41	3.5	2.5	3.0	1.0
Funk G95A	74	0	0	14.5	26.0	89	1.0	76	27	4.0	2.5	4.0	1.0
Va 126C	75	0	0	14.7	17.0	58	1.0	60	40	4.0	2.0	3.0	1.0
Va 510	74	0	0	14.8	25.2	86	1.0	65	38	4.5	2.0	4.0	2.0
Va 149	75	0	0	14.8	20.7	71	1.0	56	33	5.5	2.5	1.0	1.0
Pioneer 329	72	1	2	15.0	46.5	160	1.0	91	9	4.0	3.0	5.0	2.0
Ruff 188	75	0	0	15.1	32.1	110	1.0	72	29	4.0	2.0	5.0	1.0
Todd 620B	76	0	0	15.2	13.7	47	1.0	50	49	4.0	2.5	3.0	1.0
Buchanan W666	75	0	0	15.2	26.5	91	1.0	82	24	5.0	2.5	2.0	1.0
Va 148	75	0	1	15.3	27.3	94	1.0	63	30	5.5	2.5	2.0	1.0
Kenworthy 55	77	0	1	15.3	27.8	96	1.0	73	27	3.5	2.0	5.0	1.0
Supercrost 88E	76	0	0	15.4	27.5	94	1.0	62	34	3.5	2.0	5.0	2.0
US 13	76	0	0	15.4	33.5	115	1.0	79	23	5.5	3.0	3.0	2.0
Pioneer 1342B	73	0	0	15.4	29.7	102	1.0	79	18	5.0	2.5	5.0	2.0
SS Shawnee	73	0	0	15.5	22.5	77	1.0	79	28	3.5	2.5	3.0	2.0
Funk G76	72	0	0	15.5	30.8	106	1.0	80	21	3.5	2.0	4.0	1.0
Va 506C	74	0	2	15.5	32.3	111	1.0	80	22	6.0	2.5	2.0	1.0
Muncy Chief H276	72	0	0	15.5	28.0	96	1.0	76	28	3.5	2.0	5.0	1.0
Goldline 379	73	0	0	15.6	35.3	121	1.0	83	17	3.5	2.0	4.0	2.0
Va 608C	75	0	0	15.6	22.2	76	1.0	79	18	4.5	2.5	2.0	2.0
DeKalb 812	72	0	1	15.6	36.5	125	1.0	82	21	4.5	2.5	4.0	1.0
Muncy Chief 520	76	0	1	15.7	21.3	73	1.0	58	28	4.0	2.0	2.0	1.0
Va 518C	76	0	1	15.8	30.4	104	1.0	78	27	6.0	2.5	3.0	1.0
Todd 635	75	0	0	15.8	29.9	103	1.0	81	21	4.0	2.0	5.0	1.0
AES 805	76	0	0	15.8	23.7	81	1.0	54	38	4.0	2.0	3.0	2.0
Todd 630	75	0	0	15.9	29.0	99	1.0	72	18	3.0	2.0	2.0	1.0
Pioneer 301A	78	0	0	15.9	24.1	82	1.0	67	28	3.0	2.0	4.0	2.0
Pioneer 319	77	0	0	15.9	36.8	126	1.0	84	21	4.5	2.0	3.0	2.0
Muncy Chief 780	75	0	0	15.9	21.1	72	1.0	56	41	3.0	2.0	4.0	2.0
Va 651	76	0	0	16.0	23.3	80	1.0	72	29	6.0	3.0	5.0	1.0

DeKalb 630	75	0	0	16.2	36.3	124	1.0	71	19	6.5	2.5	5.0	2.0
Pioneer 305	78	0	0	16.2	29.5	101	1.0	63	27	3.5	2.5	4.0	2.0
Todd 602	73	0	0	16.2	38.0	130	2.0	82	17	3.5	2.5	5.0	2.0
VPI 426	76	0	0	16.3	24.4	84	2.0	62	33	4.0	2.5	2.0	1.0
Va 126D	76	0	2	16.3	25.4	87	1.0	70	31	4.0	2.5	5.0	3.0
Wood V26Y	73	0	1	16.3	35.0	120	1.0	78	24	3.0	2.0	5.0	2.0
Va 126t	76	0	0	16.4	22.4	77	1.0	65	35	4.5	2.5	2.0	2.0
Va 140C	73	0	0	16.4	40.8	140	2.5	86	16	4.5	2.5	3.0	2.0
Pioneer 317A	75	0	0	16.5	42.8	147	1.5	84	16	3.5	2.5	2.0	2.0
Funk G91	75	0	0	16.5	30.5	105	1.0	74	23	6.0	3.0	3.0	2.0
Funk G134	76	0	0	16.5	23.3	80	1.0	65	33	4.0	2.0	4.0	2.0
DeKalb 660A	75	0	0	16.6	26.9	92	1.5	67	27	4.0	2.5	2.0	2.0
Va 514	79	0	0	16.6	21.0	72	1.0	50	34	4.0	2.0	4.0	2.0
Buchanan 680	73	0	1	16.6	28.4	97	1.0	75	19	4.0	2.0	4.0	2.0
DeKalb 633	75	0	0	16.7	34.2	117	2.5	71	16	3.5	2.5	4.0	2.0
Goldline 378	77	0	0	16.7	41.4	142	1.0	79	15	5.5	2.5	3.0	1.0
Va 556	76	0	0	16.9	37.7	129	1.0	93	16	4.0	2.0	4.0	2.0
Ruff 320	77	0	0	17.1	36.4	125	1.5	70	23	4.0	2.0	4.0	2.0
Kenworthy 50	72	0	0	17.1	39.4	135	1.0	78	21	3.5	2.0	5.0	1.0
VPI 648	79	0	0	17.3	24.8	85	1.5	68	28	4.0	2.5	2.0	2.0
VPI 646	74	0	2	17.4	35.5	122	1.5	74	19	4.5	2.5	4.0	2.0
DeKalb 640	76	0	0	17.6	27.8	96	1.0	70	20	5.0	3.0	2.0	2.0
Va 699	76	0	1	17.8	36.2	124	1.5	75	28	4.5	2.0	2.0	1.0
Funk G144	76	0	0	17.8	37.9	130	1.0	85	19	5.0	3.0	4.0	2.0
SS Catawba	77	0	0	17.9	26.7	92	1.0	76	21	5.0	2.0	4.0	1.0
SS Cherokee	76	0	1	18.1	41.0	141	2.5	101	12	4.5	2.5	3.0	2.0
Pioneer 1363	78	0	0	18.4	32.4	111	1.0	82	21	4.0	2.5	5.0	2.0
VPI 639	76	0	0	18.5	29.8	102	1.5	76	18	4.0	2.5	2.0	2.0
Wood V44	77	0	0	18.6	17.1	59	1.0	96	46	4.5	2.0	5.0	2.0
Va 730	76	0	1	18.7	34.8	119	2.5	79	15	3.0	2.0	3.0	1.0
SS Munsee	76	0	0	19.5	25.2	86	1.0	79	13	4.5	3.0	5.0	2.0
Wood V30	76	0	1	19.7	22.8	78	1.0	57	36	4.0	2.0	5.0	1.0
Pioneer 312A	78	0	0	20.3	33.2	114	1.0	80	16	4.5	2.5	5.0	2.0
VPI 653	76	0	0	20.4	31.3	107	1.0	73	22	4.5	2.0	5.0	1.0
Check Value	76	0	1	17.9	29.0	100	1.5	69	26	4.3	2.4	3.3	1.5

Check - averages of VPI 426, VPI 646, VPI 648, VPI 653

Cooperator: G. D. Jones

Ratings - from 1 = very poor to 5 = excellent

Three Year Summary - Southern Piedmont - 1957-58-59

Variety	Moisture	Lodged &	Quality	Yield	
	at Harvest	Broken	Score	% of Check	Bu/A
	%	%	*		
<u>SS Pocahontas</u>	19.0	<u>14</u>	<u>3.6</u>	98	65.6
<u>Funk G95A</u>	19.1	<u>15</u>	<u>3.0</u>	96	64.5
<u>Pioneer 317A</u>	19.4	<u>17</u>	<u>3.5</u>	<u>102</u>	68.5
<u>Va 126C</u>	19.9	24	<u>3.4</u>	95	63.7
<u>VPI 426</u>	19.9	33	3.2	92	61.7
<u>Funk G91</u>	20.0	33	3.2	<u>101</u>	67.9
<u>Pioneer 301A</u>	20.1	17	3.4	<u>97</u>	65.2
<u>Funk G144</u>	20.5	20	<u>3.7</u>	<u>107</u>	71.9
<u>Wood V26Y</u>	20.5	18	<u>3.6</u>	<u>97</u>	65.4
<u>Funk G134</u>	20.6	20	<u>3.6</u>	<u>106</u>	71.2
<u>Funk G704</u>	20.6	<u>13</u>	<u>2.3</u>	<u>94</u>	63.3
<u>PAG 444</u>	20.6	<u>11</u>	3.4	<u>102</u>	68.6
<u>VPI 653</u>	20.7	<u>15</u>	<u>3.7</u>	<u>98</u>	66.1
<u>DeKalb 803A</u>	20.8	<u>26</u>	<u>3.4</u>	<u>101</u>	67.6
<u>Va 126t</u>	20.8	<u>11</u>	<u>3.5</u>	<u>101</u>	67.5
<u>Va 126D</u>	21.1	<u>20</u>	<u>3.5</u>	<u>97</u>	65.0
<u>VPI 646</u>	21.1	22	3.2	<u>94</u>	62.8
<u>Wood V30</u>	21.1	<u>14</u>	3.4	<u>101</u>	67.3
<u>VPI 648</u>	21.2	<u>11</u>	<u>3.7</u>	<u>108</u>	72.3
<u>Wood V44</u>	21.7	<u>15</u>	<u>3.7</u>	<u>100</u>	66.8
<u>Pioneer 312A</u>	21.9	22	<u>3.5</u>	<u>94</u>	63.1
<u>Pioneer 309A</u>	22.9	<u>8</u>	<u>3.6</u>	96	64.1
Check Values	21.0	16	3.5	100	67.1

Check = Averages of VPI 646, VPI 648, VPI 653

Cooperator: R. D. Sears
M. J. Rogers

* Quality Score: From 1 = very poor to 5 = excellent.

Two Year Average - Southern Piedmont - 1958-59

Variety	Moisture at Harvest	Lodged & Broken	Quality Score	Yield	
				Percent of Check	Bu/A
	%	%	*		
Funk G76	20.0	13	<u>3.4</u>	97	60.7
Pioneer 329	20.6	16	<u>3.4</u>	<u>101</u>	63.2
SS Pocahontas	20.8	13	<u>3.5</u>	<u>98</u>	61.0
Funk G95A	20.9	6	3.0	<u>100</u>	62.3
Pioneer 317A	21.2	<u>10</u>	<u>3.4</u>	<u>103</u>	64.5
SS Mohawk	21.2	<u>10</u>	3.0	92	57.3
VPI 426	21.6	<u>12</u>	3.1	91	57.0
Va 126C	21.7	8	3.2	92	57.5
Pioneer 301A	21.9	11	<u>3.4</u>	<u>102</u>	63.5
Funk G91	22.0	18	3.1	<u>102</u>	63.7
Pioneer 305	22.0	6	3.1	97	60.6
Todd 635	22.1	<u>10</u>	<u>3.3</u>	95	59.3
Funk G134	22.6	<u>13</u>	<u>3.4</u>	<u>105</u>	65.6
Pioneer 1363	22.7	15	<u>3.5</u>	<u>105</u>	65.7
Wood V26Y	22.7	14	<u>3.3</u>	<u>101</u>	63.2
DeKalb 803A	23.0	18	3.2	<u>102</u>	63.9
Funk G144	23.0	14	<u>3.6</u>	<u>109</u>	68.3
Funk G704	23.0	11	3.2	97	60.8
Va 556	23.0	6	<u>3.5</u>	<u>110</u>	68.6
Va 733	23.0	<u>7</u>	<u>3.4</u>	<u>103</u>	64.5
VPI 653	23.0	<u>10</u>	<u>3.5</u>	99	62.1
PAG 444	23.1	<u>8</u>	<u>3.3</u>	<u>107</u>	66.9
VPI 646	23.3	12	3.0	<u>94</u>	59.0
Va 126t	23.5	5	3.2	<u>102</u>	63.6
VPI 648	23.7	<u>10</u>	<u>3.4</u>	<u>107</u>	66.6
Wood V30	23.7	7	3.2	99	61.9
Va 126D	23.8	9	3.2	94	58.6
Va 736	23.9	5	<u>3.4</u>	<u>100</u>	62.4
Pioneer 312A	24.3	12	<u>3.4</u>	<u>98</u>	61.2
Wood V44	24.5	8	<u>3.4</u>	<u>101</u>	63.4
Pioneer 309A	26.2	<u>7</u>	<u>3.6</u>	<u>100</u>	62.8
Check Value	23.3	10	3.3	100	62.6

Check = averages of VPI 646, VPI 648, VPI 653

Cooperators: R. D. Sears, M. J. Rogers

* Quality Score: From 1 = very poor to 5 = excellent

Summary of Corn Performance Tests Conducted at Charlotte Court House and Chatham, Southern Piedmont Region, 1959

Variety	1959 Yield				Average of Two Locations									
	Charl-	Chat-	Yield		H ₂ O	Lodged	Days	Qual.	Ears/	Barren	Plant	Ear	Husk	Shank ⁽¹⁾
	otte	ham	Bu/A	% of	at	&	to	Score	100		Ht.	Ht.	Rating	Rating
Bu/A	Bu/A		Check	Harv.	Broken	Silk	*		%	(Ft.)	(Ft.)	*	*	
SS Pocahontas	65.8	64.8	65.3	103	20.0	5	72	3.1	103	1	5.0	2.7	3.8	2.8
Funk G76	59.0	59.5	59.3	94	20.1	5	72	2.9	100	3	4.8	2.4	3.8	3.3
Va 608C	57.5	52.9	55.2	87	20.6	4	70	2.1	103	2	4.8	2.3	3.4	3.3
Funk G95A	68.7	62.2	65.5	104	20.7	2	71	2.8	103	2	5.1	2.7	3.2	3.3
Pioneer 317A	61.8	67.3	64.6	102	20.9	4	71	3.1	99	3	5.0	2.5	3.5	3.0
SS Mohawk	55.3	59.3	57.3	91	20.9	5	74	2.2	104	3	5.9	2.8	3.7	3.0
Pioneer 329	66.2	64.2	65.2	103	21.1	5	73	3.0	98	3	5.7	2.3	3.4	3.3
Va 164	58.0	63.0	60.5	96	21.2	7	75	3.0	96	5	5.3	2.7	3.3	3.0
PAG 415	59.5	60.7	60.1	95	21.4	6	71	3.0	111	2	5.0	2.4	3.2	2.8
VPI 426	51.8	61.5	56.7	90	21.5	4	74	2.7	106	4	5.0	2.7	3.2	3.0
Pioneer 301A	64.3	66.9	65.6	104	21.6	6	74	3.3	109	1	4.5	2.2	3.3	3.5
Va 126C	52.0	56.0	54.0	86	21.6	1	72	2.7	95	3	4.7	2.4	3.0	2.8
Va 651	55.5	58.7	57.1	90	21.8	5	73	3.0	97	4	5.6	2.8	3.3	2.3
Va 750C	71.5	63.8	67.7	107	21.9	5	72	3.2	101	3	5.6	2.6	3.2	3.0
DeKalb 898A	54.6	69.2	61.9	98	22.1	9	72	3.2	97	4	5.0	2.8	3.4	3.0
Todd 635	57.2	63.7	60.5	96	22.2	5	72	3.0	98	3	5.8	3.2	4.2	2.8
Va 162	58.7	71.0	64.9	103	22.2	3	73	3.1	100	3	5.5	2.6	3.3	3.3
Funk G91	63.6	63.5	63.6	101	22.3	7	72	2.8	96	4	5.8	3.0	3.9	3.3
Va 518C	60.8	62.6	61.7	98	22.3	6	73	2.7	102	3	5.6	2.6	3.2	2.8
Va 733	61.0	70.3	65.7	104	22.3	6	75	3.0	99	2	5.4	2.5	3.7	2.8
Pioneer 1363	68.5	65.8	67.2	106	22.4	11	75	3.3	105	2	5.5	2.9	3.3	3.3
SS Shawnee	60.2	60.7	60.5	96	22.4	3	73	2.7	108	1	5.5	2.9	3.9	3.0
Va 699	62.2	65.6	63.9	101	22.4	3	73	3.1	97	2	5.4	2.9	2.8	3.0
Funk G704	61.8	63.2	62.5	99	22.5	7	75	2.8	100	3	5.3	3.2	3.4	2.8
DeKalb 633	56.4	66.8	61.6	98	22.6	4	72	3.2	98	3	5.3	2.8	4.4	2.8
PAG 434	64.6	75.1	69.9	111	22.6	9	75	3.2	106	2	5.6	2.8	4.3	2.5
PAG 444	72.6	71.7	72.2	114	22.6	6	73	3.1	111	2	5.4	2.7	2.9	2.5
Funk G144	70.4	68.9	69.7	110	22.7	4	73	3.2	103	2	5.2	2.8	3.9	3.0
AES 805	53.1	65.9	59.5	94	22.7	8	73	2.7	94	5	5.8	3.0	3.8	3.0
DeKalb 869	57.2	63.2	60.2	95	22.8	3	73	2.8	95	4	5.5	3.0	3.2	3.5

Va 138	61.6	62.8	62.2	99	22.8	5	73	2.8	104	5	5.2	2.8	3.3	3.3
Pioneer 305A	56.3	63.8	60.1	95	22.9	5	75	2.7	99	3	6.0	3.0	3.4	3.3
SS Cherokee	64.3	64.6	64.5	102	22.9	5	75	2.9	104	2	5.7	2.8	3.7	2.8
Va 149	53.4	56.4	54.9	87	23.0	11	73	3.9	95	2	5.0	2.6	3.8	3.0
Pioneer 312A	64.3	66.0	65.2	103	23.1	12	76	3.0	101	2	5.7	2.5	4.0	3.0
Va 10	59.7	69.7	64.7	103	23.1	3	73	3.2	101	2	5.2	2.5	3.9	3.0
VPI 646	61.7	64.9	63.3	100	23.1	9	73	2.8	98	3	4.5	2.6	3.8	3.0
Wood V26Y	64.7	64.7	64.7	103	23.1	7	71	3.1	103	1	5.6	3.0	3.2	3.3
DeKalb 812	56.3	56.7	56.5	90	23.2	4	71	2.8	92	3	5.2	2.5	3.2	2.3
Va 16	65.8	74.3	70.1	111	23.3	5	74	3.3	100	3	5.4	2.7	3.0	2.5
VPI 639	60.9	63.8	62.4	99	23.3	3	73	2.7	100	4	5.2	2.7	3.5	2.5
Va 30	62.0	62.5	62.3	99	23.3	4	75	2.8	103	2	5.5	2.7	3.9	2.8
SS Catawba	62.4	70.7	66.6	106	23.4	4	74	2.8	112	2	5.5	3.0	3.3	2.8
Va 556	66.3	67.5	66.9	106	23.4	6	74	2.8	99	4	5.5	3.2	3.3	2.8
DeKalb 814	54.7	53.5	54.1	86	23.5	3	71	3.0	98	2	5.4	2.8	4.5	2.5
McNair 304	50.3	56.8	53.6	85	23.5	5	75	2.4	102	4	5.2	2.9	3.5	2.8
Va 148C	68.1	65.9	67.0	106	23.5	5	71	3.2	100	4	5.7	3.0	2.9	3.0
DeKalb 803A	60.2	66.9	63.6	101	23.6	4	72	2.9	94	3	5.6	2.7	3.4	3.3
Va 18	65.9	66.7	66.3	105	23.6	5	73	3.1	99	2	5.7	3.1	3.2	2.5
VPI 653	55.6	63.2	59.4	94	23.6	5	74	3.2	100	2	5.2	2.8	3.0	2.8
DeKalb 640	57.2	60.5	58.9	93	23.8	0	74	3.2	109	1	5.7	2.4	3.8	2.3
Funk G134	63.2	66.3	64.8	103	23.8	5	71	2.9	99	2	5.5	3.2	3.7	3.0
Va 163	59.9	61.2	60.6	96	23.9	3	74	3.2	100	5	5.5	2.2	3.4	2.3
DeKalb 660A	55.7	62.3	59.0	93	24.0	2	72	2.5	117	3	5.5	3.0	4.0	2.8
Va 126D	46.6	53.8	50.2	80	24.0	4	62	2.5	92	4	5.0	2.4	3.2	3.0
VPI 648	66.0	67.2	66.6	106	24.0	7	73	3.0	99	2	5.2	2.7	3.8	2.8
Wood V30	58.1	63.4	60.8	96	24.1	4	74	2.7	101	3	5.5	2.8	2.9	2.8
Va 150	62.8	59.5	61.2	97	24.2	2	73	2.9	100	6	5.4	2.3	3.3	3.3
Wood V44	58.5	61.2	59.9	95	24.4	3	75	2.7	96	9	5.1	2.7	2.8	3.5
Va 126t	61.5	60.5	61.0	97	24.6	2	72	2.7	102	3	5.3	2.7	2.9	2.3
Va 730	66.1	65.1	65.6	104	25.2	4	74	2.8	99	2	5.2	2.9	3.2	2.5
Pioneer 309A	66.7	62.2	64.5	102	25.3	7	78	3.5	106	5	5.7	3.0	4.3	3.0
Va 736	65.6	68.1	66.9	106	25.4	3	74	3.1	99	1	4.9	2.7	3.2	2.8
SS Munsee	62.9	65.0	64.0	101	25.7	7	76	3.1	98	3	5.5	2.5	3.8	3.0
Check Values			63.1	100	23.6	7	73	3.0	99	2	5.0	2.7	3.5	2.9

Check = averages of VPI 646, VPI 648, VPI 653

Cooperators: R. D. Sears, M. J. Rogers

* Ratings = from 1 = very poor to 5 = excellent

(1) Shank Rating from Charlotte Court House

Three Year Summary - West of Blue Ridge - 1957-58-59

Variety	Lodged & Broken %	H2O at Harv. %	Quality Score *	Yield	
				% of Check	Bushels Per Acre
Pioneer 342A	17	19.5	3.3	89	84.0
DeKalb 414	12	20.3	3.3	89	84.0
Pioneer 345A	12	20.4	3.3	95	89.3
Ohio W64	11	21.1	3.3	90	84.9
<u>Funk G76</u>	<u>10</u>	<u>21.9</u>	<u>3.5</u>	<u>97</u>	<u>91.8</u>
<u>Funk G91</u>	<u>8</u>	22.0	3.3	<u>103</u>	<u>97.3</u>
Pioneer 329	<u>10</u>	22.0	3.0	93	88.2
Va 3	<u>15</u>	22.0	<u>3.6</u>	96	90.3
Va 126C	<u>7</u>	22.4	3.3	<u>100</u>	<u>94.9</u>
DeKalb 630	<u>16</u>	22.6	3.3	<u>93</u>	<u>87.7</u>
Funk G95A	13	22.7	3.0	95	90.0
<u>Funk G134</u>	12	22.8	3.3	<u>101</u>	<u>95.1</u>
US 13	17	22.8	3.0	<u>97</u>	<u>91.6</u>
Buchanan 680	17	22.9	<u>3.4</u>	92	86.9
<u>VPI 426</u>	<u>2</u>	<u>23.0</u>	<u>3.8</u>	<u>100</u>	<u>94.8</u>
<u>Wood V26Y</u>	11	23.4	3.2	<u>100</u>	<u>94.9</u>
<u>Ruff 188</u>	<u>6</u>	23.7	<u>3.4</u>	<u>98</u>	<u>92.7</u>
<u>VPI 646</u>	12	23.7	3.1	<u>100</u>	<u>94.4</u>
<u>Kenworthy 55</u>	14	23.8	<u>3.5</u>	99	93.6
<u>VPI 648</u>	<u>2</u>	23.8	3.3	<u>100</u>	<u>94.4</u>
<u>Wood V30</u>	12	23.9	<u>3.4</u>	<u>102</u>	<u>96.7</u>
<u>Funk G144</u>	12	24.1	<u>3.7</u>	<u>103</u>	<u>97.1</u>
Va 126D	<u>6</u>	24.4	<u>3.4</u>	<u>106</u>	100.4
<u>Wood V44</u>	<u>10</u>	24.6	<u>3.8</u>	<u>102</u>	<u>96.5</u>
Check Values	10	23.5	3.4	100	94.5

Check - average of VPI 426, VPI 646, VPI 648

Cooperators: F. S. McClaugherty, W. H. McClure

* Quality Score - from 1 = very poor to 5 = excellent

Two Year Summary - West of Blue Ridge - 1958-59

Variety	H ₂ O	Lodged	Quality	Yield	
	at	&		% of	Bushels
	Harv.	Broken	Score	Check	per Acre
	%	%	*		
Pioneer 342A	20.0	15	3.3	85	89.1
DeKalb 414	20.2	12	3.3	87	90.9
Ohio W64	22.1	8	<u>3.7</u>	88	92.3
Funk G76	22.4	11	<u>3.7</u>	96	100.4
Pioneer 329	22.8	11	2.8	90	94.2
Va 126C	22.8	7	3.4	100	104.1
Va 3	23.0	15	<u>3.7</u>	94	98.7
DeKalb 630	23.1	15	3.2	89	93.5
DeKalb 640	23.4	3	<u>3.9</u>	102	106.4
Funk G95	23.4	13	<u>3.4</u>	96	100.3
Funk G134	23.4	13	<u>3.6</u>	103	108.0
Funk G91	23.5	12	3.5	102	106.8
Pioneer 319	23.5	12	3.2	100	104.6
Buchanan 680	23.6	16	3.4	91	94.7
Kenworthy 50	23.6	9	<u>3.6</u>	99	103.0
US 13	23.7	17	3.0	98	102.2
DeKalb 633	24.2	12	<u>3.6</u>	101	105.8
Va 651	24.2	16	<u>3.8</u>	94	98.3
VPI 426	24.3	8	<u>3.8</u>	97	101.4
Pioneer 1363	24.7	10	<u>3.7</u>	107	111.3
Ruff 320	24.8	7	<u>3.6</u>	99	103.5
Kenworthy 55	24.9	16	3.3	96	100.1
Funk G144	25.0	13	4.0	102	106.5
VPI 646	25.0	15	<u>3.7</u>	102	106.4
Ruff 188	25.1	6	<u>3.8</u>	97	101.9
Va 126t	25.1	6	<u>3.8</u>	102	106.5
VPI 648	25.1	10	3.1	101	105.7
Wood V30	25.1	11	<u>3.7</u>	105	109.4
Va 126D	25.2	7	<u>3.6</u>	104	109.0
Wood V26Y	25.4	12	<u>3.4</u>	100	105.0
Wood V44	25.8	10	<u>4.1</u>	105	109.8
Check Values	24.8	10	3.6	100	104.5

Check - averages of VPI 426, VPI 646, VPI 648

Cooperators: F. S. McClaugherty, W. H. McClure

* Quality Score - from 1 = very poor to 5 = excellent

Summary of Corn Performance Tests Conducted at Blacksburg, Emory and Steeles Tavern, West of the Blue Ridge Region, 1959

Variety	1959 Yield			Average of Three Locations												
	Blacksburg Bu/A	Emory Bu/A	Steeles Tavern Bu/A	Yield		H ₂ O at Harv. %	Lodg. & Brok. %	Days to Silk	Qual. Score *	Ears/ 100 Plants	Bar- ren %	Plant Ht. Ft.	Ear Ht. Ft.	Husk Rating *	Shank Rating *	Leaf Flight Rating *
				Bu/A	% of Check											
Muncy Ch. 306	34.9	79.6	86.3	66.8	70	17.0	28	77	2.7	99	4	5.5	2.5	2.8	2.5	2.3
Pioneer 342A	42.5	96.7	99.5	79.6	84	18.1	21	78	3.5	102	2	6.1	2.9	3.4	2.7	3.0
DeKalb 414	48.8	93.0	105.7	82.5	87	18.4	18	77	3.4	99	1	5.9	2.8	3.2	2.8	3.1
Va 81	35.4	87.6	96.5	73.2	78	18.7	19	77	3.3	99	3	5.8	2.3	3.6	2.4	2.8
Va 83	40.3	89.0	97.9	75.7	80	19.2	15	76	3.1	99	1	5.9	2.3	3.2	2.6	3.0
Va 84	48.8	97.0	100.5	82.1	87	19.3	20	77	3.0	101	3	6.1	2.8	3.2	2.3	3.8
Muncy Ch. 802	52.3	104.0	110.3	88.9	94	19.5	16	79	3.3	103	2	6.7	3.1	4.1	3.4	4.4
Va 119	44.5	97.0	91.3	77.8	82	19.5	19	77	3.5	97	3	5.8	2.3	3.6	2.7	2.9
Muncy Ch. 522	49.4	100.5	113.0	87.6	93	19.7	17	77	3.6	98	3	6.3	2.7	3.2	2.6	3.4
Pioneer 342B	44.0	91.3	99.7	78.3	83	19.7	17	77	3.5	98	2	6.3	2.9	3.4	2.7	3.4
Funk G76	46.1	103.6	125.0	91.6	97	19.8	16	78	3.8	103	1	5.9	2.8	3.9	2.5	3.5
Pioneer 329	40.0	97.1	106.2	81.1	86	19.8	12	79	2.7	97	4	6.6	3.2	3.3	2.8	4.1
Va 126C	49.7	96.8	109.5	85.3	90	20.0	13	77	3.2	99	2	6.1	2.6	2.9	2.5	4.4
Va 506C	47.4	94.6	101.9	81.3	86	20.0	19	78	3.4	105	2	6.4	3.1	3.4	2.6	3.4
Ohio 164	44.5	89.0	93.7	75.7	80	20.1	13	75	3.2	99	4	5.8	2.8	3.2	2.5	3.4
Va 502C	47.3	104.0	100.7	84.0	89	20.2	17	77	3.4	102	3	6.3	2.8	3.2	2.4	4.1
Buchanan 680	48.2	95.7	108.0	84.0	89	20.3	22	78	3.3	96	5	6.5	3.0	3.4	2.6	4.0
SS Shawnee	45.9	100.2	104.4	83.5	88	20.3	23	78	3.5	102	2	6.3	3.0	3.7	3.1	3.0
Pioneer 345A	43.7	108.5	119.3	90.5	96	20.4	19	80	3.6	97	4	6.6	3.2	3.4	2.7	4.5
Funk G95A	43.9	113.2	115.5	90.9	96	20.5	19	79	3.3	103	2	6.5	3.0	3.3	2.5	4.0
Ruff 188	58.2	109.9	120.1	96.1	102	20.6	10	79	3.8	102	1	6.5	3.0	4.0	2.8	4.4
Va 148	55.2	116.7	121.8	97.9	104	20.7	9	78	3.2	103	1	6.9	3.1	3.1	2.3	4.4
Va 608C	47.8	102.6	104.9	85.1	90	20.7	12	77	3.3	101	3	6.4	2.8	3.0	2.2	3.6
Va 124	44.8	88.1	89.6	74.2	79	20.8	11	76	3.4	100	2	5.7	2.2	3.5	2.5	4.1
Va 3	47.4	103.1	116.4	89.0	94	20.9	22	80	3.8	99	2	6.7	3.1	3.5	2.5	3.5
Funk G91	54.3	108.0	114.8	92.4	98	21.0	19	80	3.7	98	2	6.7	3.2	3.5	2.9	4.4
Buchanan 1666	43.6	99.8	110.4	84.6	90	21.1	21	80	3.3	100	4	6.2	2.7	3.3	2.9	4.4
Muncy Ch. 780	49.9	106.6	121.9	92.8	98	21.1	19	79	3.3	98	2	6.5	3.3	3.9	2.9	3.9
Va 651	41.7	94.5	112.9	83.0	88	21.1	21	80	3.7	103	0	6.4	3.0	3.7	2.5	4.5
DeKalb 660A	50.6	110.9	119.7	93.7	99	21.2	13	79	3.9	78	2	6.7	2.8	4.0	3.0	3.8
Va 310	47.5	102.9	112.7	87.8	93	21.2	21	78	3.6	101	2	6.5	2.9	3.8	2.4	3.8

Va 518C	46.3	101.3	110.7	86.1	91	21.2	15	79	3.9	99	3	6.5	3.1	3.6	2.3	4.1
Va 510	44.6	94.7	102.2	80.5	85	21.3	11	77	3.2	100	2	6.3	2.7	3.1	2.3	3.9
Pioneer 1363	65.1	116.9	121.4	101.1	107	21.4	14	80	4.0	102	2	7.1	3.2	3.7	2.4	4.9
Va 126t	50.6	103.2	125.2	93.0	99	21.4	11	78	3.5	98	2	6.4	2.5	3.2	2.4	4.9
DeKalb 630	41.1	95.0	103.5	79.9	85	21.5	22	78	3.2	99	3	6.2	3.0	3.5	2.6	4.0
Pioneer 317A	43.9	101.7	109.7	85.1	90	21.5	13	79	3.7	102	1	6.4	3.2	3.2	2.3	3.4
Funk G134	51.7	115.1	120.3	95.7	101	21.6	19	80	3.7	97	3	6.7	3.2	3.8	2.5	4.4
Kenworthy 50	51.7	105.6	113.6	90.3	96	21.6	11	79	3.8	98	2	6.3	2.8	3.7	2.7	4.9
Va 149	48.0	106.7	115.9	90.2	96	21.6	11	77	3.4	102	2	6.5	3.2	3.5	2.6	4.4
US 13	49.9	107.4	115.4	90.9	96	21.6	23	80	3.0	104	2	7.1	3.8	3.1	2.8	3.5
Ruff 320	57.4	108.1	117.0	94.2	100	21.7	11	79	3.8	106	2	6.7	3.2	4.1	2.6	4.0
DeKalb 812	46.4	97.9	100.9	81.7	87	21.9	14	79	3.6	98	3	6.1	3.6	4.1	2.7	4.4
Wood V30	52.8	110.8	124.4	96.0	102	22.0	17	80	3.8	99	2	6.8	3.2	3.0	2.6	4.9
DeKalb 640	52.1	101.2	115.1	89.5	95	22.1	5	79	3.9	103	2	6.9	3.3	4.0	2.7	4.1
Pioneer 319	42.4	114.1	125.7	94.1	100	22.2	16	79	3.4	104	2	6.7	3.3	3.4	2.5	4.4
VPI 653	57.1	116.7	126.7	100.2	106	22.2	16	80	4.0	101	3	7.0	3.3	3.4	2.3	4.8
VPI 426	48.0	107.7	118.5	91.4	97	22.3	11	78	3.8	98	4	6.5	3.0	3.5	2.4	4.3
Va 148C	58.8	116.0	123.2	99.3	105	22.3	15	80	3.8	100	2	6.8	3.5	3.0	2.2	4.8
Broadbent	36.4	61.4	83.4	60.4	64	22.4	52	83	2.6	104	5	6.7	3.7	3.9	2.6	4.4
235A!!																
DeKalb 633	53.2	112.8	126.3	97.4	103	22.5	19	79	3.6	102	2	6.5	3.2	3.8	2.3	4.5
VPI 639	51.3	111.0	110.7	91.0	96	22.5	14	78	3.4	102	3	6.7	3.2	2.9	2.3	4.4
VPI 648	51.0	109.2	122.5	94.2	100	22.5	16	80	3.6	99	1	7.1	3.7	3.2	2.7	4.9
Va 556	48.5	114.4	121.1	94.7	100	22.6	25	80	3.8	102	2	6.9	3.5	3.4	2.2	4.9
SS Cherokee	51.7	105.1	114.7	90.5	96	22.7	13	81	3.6	105	3	7.1	3.6	3.3	2.6	4.1
Wood V26Y	54.3	112.5	123.1	96.8	103	22.8	19	79	3.2	97	1	6.7	3.2	3.6	2.8	4.5
Va 126D	49.6	107.6	122.6	93.3	99	23.0	11	77	3.5	100	2	6.2	2.6	3.5	2.4	4.8
Funk G144	51.5	108.2	135.0	98.2	104	23.3	15	80	4.1	99	3	6.6	3.0	4.0	2.6	4.6
VPI 646	53.0	111.1	121.0	95.0	101	23.3	22	80	3.7	101	1	7.0	3.8	3.2	3.0	4.8
Kenworthy 55	50.0	99.3	103.1	84.1	89	23.4	21	81	3.1	97	4	6.7	3.2	3.6	2.8	4.0
Wood V44	57.9	105.8	117.9	93.9	99	23.7	17	81	4.1	103	2	7.3	3.5	3.9	2.3	4.8
SS Munsee	49.4	105.0	112.3	88.9	94	23.9	17	80	3.9	101	2	6.6	3.0	4.2	2.5	4.1
SS Catawba	63.1	110.8	130.1	101.3	107	24.0	14	80	3.7	113	3	7.1	3.3	3.5	2.7	4.6
Broadbent 402B	55.2	110.0	125.2	96.8	103	24.2	13	81	3.7	108	3	7.6	4.2	3.0	2.6	4.3
Check Values	-	-	-	94.4	100	22.6	16	79	3.7	100	2	6.9	3.4	3.2	2.5	4.6

Check = averages of VPI 426, VPI 639, VPI 646, VPI 648, VPI 653

Cooperators: F. S. McClagherty, W. H. McClure

* Ratings- from 1 = very poor to 5 = excellent

(1) Leaf Blight Rating from Blacksburg.

Two Year Summary - Dryden - 1958-59

Variety	H ₂ O	Lodged	Quality	Yield	
	at	&		% of	Bu/A
	Harv.	Broken	Score	Check	
	%	%	*		
Funk G76	16.4	33	4.3	102	100.9
Pioneer 329	16.5	46	3.8	94	93.3
Ohio W64	16.8	70	3.6	78	76.7
Funk G91	17.1	54	4.0	104	103.0
VPI 426	17.8	49	4.0	90	88.8
Wood V26Y	17.8	66	3.8	91	90.3
Funk G134	18.2	42	4.1	106	104.7
Va 126t	18.6	38	4.1	99	97.8
Broadbent 402B	18.9	40	4.0	114	112.3
VPI 648	18.9	41	4.3	107	106.3
Broadbent 235A1	19.9	67	3.4	89	87.6
VPI 653	19.9	36	4.5	114	113.0
VPI 646	20.3	43	4.1	104	103.0
Check Values	19.1	48	4.1	100	98.9

Check = averages of VPI 426, VPI 646, VPI 648, VPI 653

Three Year Summary - Dryden - 1957-58-59

Ohio W64	18.0	50	3.4	74	74.2
Funk G91	18.5	40	3.4	99	99.3
VPI 426	18.7	33	3.8	95	95.8
Funk G134	19.0	28	4.0	100	101.2
VPI 648	20.0	29	3.8	100	101.1
Broadbent 235A1	20.7	45	3.4	89	90.0
VPI 653	21.0	25	4.2	104	104.6
VPI 646	21.4	30	3.7	100	101.1
Check Values	20.3	29	3.9	100	100.7

Check = average of VPI 426, VPI 646, VPI 648, VPI 653

Cooperators: C. H. Coomer, J. P. Lyle

* Quality Score = from 1 = very poor to 5 = excellent

Dryden Corn Test - 1959

Variety	H ₂ O	Lodged & Broken	Quality Score	Yield		Ears/ 100 Plants	Barren
	at Harv.			% Of Check	Bu/A		
	%	%	*				%
Va 126C	16.5	46	3.0	88	71.2	99	1
Funk G76	16.7	42	3.8	93	75.1	92	8
Ohio W64	16.8	54	3.4	70	56.8	98	2
VPI 426	17.5	47	3.9	99	79.7	97	3
DeKalb 633	17.8	35	4.3	79	63.6	97	3
Pioneer 329	17.8	53	3.4	86	69.8	98	2
DeKalb 640	17.9	23	4.0	99	79.7	95	6
DeKalb 660A	18.7	23	3.6	99	79.8	103	0
Funk G91	18.9	65	3.6	89	72.2	94	6
Va 514	19.1	41	4.4	90	72.3	97	3
VPI 639	19.1	36	4.0	100	80.4	97	4
Va 126D	19.2	32	3.6	93	74.9	96	4
Wood V26Y	19.2	50	3.1	84	68.2	94	6
Va 126t	19.4	30	3.8	92	74.3	97	3
Funk G134	19.5	42	3.9	95	76.4	99	1
VPI 648	19.9	37	3.9	93	75.1	93	7
Va 556	20.0	59	4.0	96	77.2	99	3
Va 148C	20.1	35	3.9	94	76.1	97	3
Va 153D	20.2	26	4.1	94	75.7	95	7
VPI 646	20.2	45	3.8	93	75.1	97	3
VPI 653	20.6	22	4.3	116	93.4	98	3
Wood V30	20.7	49	4.1	93	74.9	97	3
Broadbent 402B	20.8	39	3.5	111	89.4	98	3
Broadbent 235A	20.9	75	2.5	44	35.8	86	14
Pioneer 312A	21.0	46	4.1	99	79.9	95	5
Check Values	19.5	37	4.0	100	80.7		

Check = averages of VPI 426, VPI 639, VPI 646, VPI 648, VPI 653

Cooperators: C. H. Coomer and J. P. Lyle

* Quality Score - from 1 = very poor to 5 = excellent

Two Year Average - Carroll County - 1958-59

Variety	H ₂ O	Lodged	Quality	Yield	
	at	&		% of	Bu/A
	Harv.	Broken	Score	Check	
	%	%	*		
Funk G76	21.5	31	3.9	94	122.8
VPI 426	21.8	29	4.1	92	120.8
Ohio W64	22.1	31	3.3	79	103.2
Pioneer 329	22.1	19	2.6	88	114.9
Funk G91	22.7	39	3.1	95	124.1
VPI 648	23.1	30	4.3	104	136.2
Funk G134	23.5	23	3.5	94	122.9
VPI 646	23.5	23	3.5	104	136.5
Check Value	22.8	27	4.0	100	131.2

Check = averages of VPI 426, VPI 646, VPI 648
 Cooperators: G. C. Price, Howard Turner

Three Year Average - Carroll County - 1957-58-59

Funk G76	21.7	25	3.6	94	112.0
Ohio W64	21.8	25	3.6	79	94.4
VPI 426	22.2	23	4.1	93	111.0
Funk G91	22.8	30	3.6	98	117.1
VPI 646	23.4	18	3.8	107	128.3
Check Value	22.8	21	4.0	100	119.7

Cooperators: G. C. Price, H. Turner

Check = averages of VPI 426, VPI 646

* Quality Score - from 1 = very poor to 5 = excellent

Carroll County Corn Test - 1959

Variety	H ₂ O	Lodged	Quality	Yield	
	at	&		% of	Bu/A
	Harv.	Broken	Score	Check	
	%	%	*		
Pioneer 371	18.8	30	1.9	86	98.0
Va 82	19.9	26	2.6	76	86.3
DeKalb 414	21.2	8	2.9	38	100.2
DeKalb 423	21.2	28	3.0	79	89.9
Pioneer 372	21.2	12	2.5	61	69.0
SS Shawnee	21.5	31	3.0	85	96.1
Va W64D	21.6	63	3.0	80	91.3
Ohio W64	21.9	40	3.3	74	84.1
Funk G76	22.1	36	3.9	95	108.1
Va 83	22.2	28	2.5	64	72.8
Pioneer 329	22.4	24	2.6	92	104.4
VPI 648	22.8	43	4.3	106	120.1
VPI 426	22.9	48	4.1	94	106.9
DeKalb 440	23.2	43	3.0	79	89.6
VPI 646	23.3	33	3.5	100	114.2
DeKalb 630	23.4	13	4.0	92	104.8
DeKalb 898A	23.5	26	2.3	78	88.6
Funk G91	23.6	37	3.1	99	113.1
Va 126C	23.7	48	3.4	89	101.6
Funk G134	24.0	28	3.5	91	103.7
Shockley O.P.	24.0	12	3.6	99	112.9
Va 88	24.0	56	3.1	80	90.5
Va 126D	24.1	49	4.0	101	115.2
Va 124	24.3	32	3.0	74	84.6
DeKalb 633	25.9	52	4.3	101	115.1
Check Values	23.0	41	4.0	100	113.7

Check = average of VPI 426, VPI 646, VPI 648

cooperator: G. C. Price, Howard Turner

* Quality Score - from 1 = very poor to 5 = excellent

Two Year Summary - Burke's Garden - 1958-59

Variety	Lodged	Broken	H ₂ O at Harv.	Quality Score	Yield	
					% of Check	Bu/A
	%	%	%	*		
Michigan 300	8	8	19.0	3.5	114	105.9
Cornell NE 310	8	44	19.2	2.8	98	91.0
Michigan 250	4	24	19.3	3.2	107	99.6
Wisconsin 355A	2	34	19.4	3.0	94	87.8
Minnesota 612	2	16	19.5	3.7	99	92.0
Wisconsin 463	2	9	19.8	3.5	115	106.9
Minnesota 611	1	33	20.5	3.3	103	96.1
Wisconsin 465	4	24	21.3	3.5	108	100.1
Cornell M4	9	13	21.5	3.2	98	91.3
Pioneer 371	2	20	21.5	3.3	136	127.0
Michigan Exp. 53-15-6	6	28	22.0	3.0	113	104.8
Minnesota 513	0	45	22.4	3.5	105	97.5
Pa 444	1	21	22.6	3.6	106	98.4
Pioneer 372	5	30	22.7	3.1	109	101.5
Minnesota 412	2	31	24.1	3.5	116	107.8
Check Value	3	28	21.0	3.3	100	93.1

Check - average of Pa 444, Wisc. 355A
Cooperators: J. L. McDonald, J. S. Moss

* Quality Score - from 1= very poor to 5 excellent

Burke's Garden Corn Test - 1959

Variety	Lodged	Broken	H ₂ O at Harv. %	Yield		Quality Score	Ears/100 Plants	Barren %	Plant Height Ft.	Ear Height Ft.	Husk Rating *	Shank Rating *
				Bu/A	% of Check							
Michigan 300	13	11	18.6	106.9	125	3.5	117	0	8.4	3.9	3.0	3.8
Minnesota 612	3	28	19.3	81.4	95	3.5	127	0	6.5	2.7	2.8	3.5
NE 310	14	64	19.6	84.9	99	3.0	132	0	8.1	3.7	3.0	3.3
Wisconsin 355A	3	41	19.6	80.7	94	2.9	127	0	7.2	3.0	2.5	3.5
Wisconsin 465	5	40	19.7	86.2	101	3.4	130	0	6.8	2.4	2.5	3.5
Minnesota 611	00	46	19.8	95.2	111	3.3	134	0	7.2	3.0	2.8	3.5
Wisconsin 463	1	16	19.9	97.8	114	3.6	121	0	7.4	2.9	2.3	3.3
Michigan 250	6	37	20.0	95.3	111	3.0	136	0	8.1	3.4	2.5	3.3
Michigan Exp. 54-27	4	32	20.2	90.7	106	2.6	115	0	7.4	3.2	2.3	3.0
Rinks 202A	11	30	21.4	128.2	149	3.8	124	0	7.8	3.3	3.0	3.3
Pioneer 371	3	36	21.5	117.2	137	3.5	137	0	8.6	3.6	2.8	4.0
Cornell M4	16	31	21.6	82.1	96	3.0	124	0	8.3	3.7	2.5	2.5
Minnesota 513	0	75	21.8	88.2	103	3.4	114	1	7.4	3.2	2.3	3.3
Michigan Exp. 53-156	12	38	22.1	93.6	109	2.9	140	0	8.4	3.5	2.8	3.3
Pioneer 372	8	40	22.5	89.2	104	2.9	141	0	7.7	3.5	2.5	2.8
Pennsylvania 444	0	28	22.9	90.9	106	3.6	104	1	7.4	3.0	2.8	3.5
DeKalb 898A	14	39	24.3	104.7	122	3.3	117	0	9.3	4.2	3.3	3.0
Michigan Exp. 53-149	2	21	24.4	107.2	125	3.3	113	0	8.0	3.3	2.8	3.5
Check Value	2	35	21.3	85.8	100	3.3						

Check = averages of PA 444 and Wis 355A

Cooperator: J. L. McDonald, J. S. Moss

* Rating - from 1 = very poor to 5 = excellent

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Weyer's Cave Corn Test - 1959

Variety	H ₂ O _{at}	Lodged	Broken	Quality Score	Yield		Ears/ 100 Plants	Barren	Plant Height	Ear Height
	Harv.				% of Check	Bu/A				
	%	%	%	*			%	Ft.	Ft.	
Funk G76	18.1	5	5	3.4	101	86.1	97	8	6.1	2.6
Va 144	19.4	0	7	3.9	101	85.9	109	3	5.9	2.3
Funk G91	19.5	3	12	3.8	94	80.4	99	5	5.9	2.4
Pioneer 342B	20.0	1	4	3.8	100	85.5	102	3	5.9	2.5
Va 148C	20.1	4	5	4.3	97	82.9	102	3	6.1	2.5
Va 148	20.2	1	8	3.4	102	87.6	103	2	5.9	2.4
Buchanan W666	20.3	1	4	3.4	87	74.6	95	6	5.9	2.4
VPI 646	20.3	1	9	3.9	104	88.8	104	2	6.3	2.7
Ohio W64	20.4	1	6	3.6	87	74.2	105	3	5.7	2.4
DeKalb 633	20.5	2	10	3.8	113	96.3	107	3	5.9	2.7
SS Shawnee	21.0	0	6	3.6	102	87.0	109	0	6.0	2.6
Va126C	21.0	0	7	3.0	92	78.9	98	5	5.8	2.3
VPI 426	21.1	0	7	3.5	98	83.5	106	2	5.9	2.5
Pioneer 329	21.2	1	8	3.4	87	74.2	107	0	5.9	2.4
VPI 639	21.2	2	8	3.5	99	84.6	109	0	6.1	2.5
Funk G134	21.4	2	6	3.6	99	84.8	100	3	6.1	2.6
Va 556	21.8	3	10	3.1	103	87.8	108	3	6.2	2.6
VPI 648	21.8	3	10	2.9	90	76.7	113	2	6.0	2.5
DeKalb 660A	22.2	2	4	3.8	98	83.8	109	2	6.1	2.5
Wood V30	22.3	4	8	3.9	103	87.8	98	3	6.1	2.7
Va 126t	22.4	2	4	4.4	115	98.4	105	2	6.1	2.6
VPI 653	22.7	5	5	3.5	109	93.2	105	0	6.2	2.7
DeKalb 640	23.5	2	2	3.6	104	88.5	112	0	6.1	2.7
Va 126D	24.7	1	5	3.8	110	93.9	101	2	6.0	2.4
Wood V26Y	25.7	3	3	4.0	109	92.8	99	3	6.3	2.7
Check Value	21.4	2	8	3.5	100	85.4	107	1	6.1	2.6

Check-averages of VPI 426, VPI 639, VPI 646, VPI 648, VPI 653

* Quality Score - from 1 = very poor to 5 = excellent

Cooperator: W. H. McClure

STATE SUMMARY - DWARF CORN TESTS - 1959

Variety	NCP	SCP	NP	SP	WBR	State Avg.	H ₂ O at Harv.	Lodg. & Brok.	Qual. Score	Days to Silk	Ears/ 100 Plants	Bar- ren	Plant Ht.	Ear Ht.	Husk Rating	Shank Rating	Blight Rating
	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	%	%	*			%	Ft.	Ft.	*	*	*
III Dwarf 510	65.9	62.8	32.5	53.8	55.1	50.7	21.1	8	2.5	77	99	3	3.7	1.2	2.4	2.4	2.3
III Dwarf 500	66.2	66.4	46.1	48.3	59.6	55.2	21.7	13	2.6	75	99	3	4.3	1.4	2.9	2.9	2.6
III Exp. 6374	65.1	62.3	46.6	49.7	51.6	51.3	21.7	8	2.3	77	100	3	4.0	1.3	2.5	2.6	2.4
P.D. 7	58.6	76.6	47.0	45.6	57.6	59.8	22.1	4	2.7	76	97	4	4.0	1.3	3.2	3.0	2.3
VPI 426	88.0	91.7	61.8	52.6	73.8	69.3	22.1	6	3.5	74	98	3	6.1	2.6	3.6	3.0	1.5
P.D. 6	61.6	66.2	46.6	49.8	52.9	51.7	22.3	7	2.7	75	99	3	4.2	1.3	2.9	2.8	2.6
III Exp. 6417	61.3	59.3	43.3	31.1	52.6	49.6	22.6	5	2.7	78	98	5	3.8	1.2	3.2	2.3	2.3
III Exp. 3417	62.9	59.8	38.7	44.1	53.8	49.3	23.2	7	2.3	77	98	3	4.0	1.1	2.7	2.6	2.3
N.C. 9026	80.2	74.0	39.5	52.0	55.5	56.1	26.2	2	2.8	82	104	3	4.4	1.4	3.9	2.5	1.9
N.C. 8003	91.5	93.1	57.9	59.2	73.6	71.5	27.1	5	3.3	81	129	1	5.1	1.7	4.2	2.8	1.8
N.C. 8001	95.4	89.4	59.5	51.7	75.4	70.1	28.0	6	3.5	81	103	3	5.1	2.0	3.4	2.5	1.9
N.C. 9027	92.4	99.4	61.6	53.7	77.9	73.3	28.0	4	3.5	81	125	1	5.0	1.8	4.3	2.6	1.8

Cooperators: H. M. Camper, M. W. Alexander, M. T. Carter, G. D. Jones,
R. D. Sears, M. J. Rogers, W. H. McClure, F. S. McClaugherty

* Ratings - from 1 = very poor to 5 = excellent.

NCP, SCP, NP, SP, WBR - Northern Coastal Plain, Southern Coastal Plain, Northern Piedmont, Southern Piedmont,
West of the Blue Ridge, respectively