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VIRGINIA

CORN

PERFORMANCE

TESTS

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VIRGINIA AGRICULTURAL EXPERIMENT STATION

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BLACKSBURG, VIRGINIA

## Corn Performance Tests in Virginia in 1958

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This report presents the results of the corn hybrid performance tests conducted in Virginia in 1958, and the recommendations for planting corn hybrids in the various sections of Virginia based on the results of these tests and similar tests conducted in recent years. Hybrids must be tested in Virginia Agricultural Experiment Station tests at least two years before they are eligible for recommendation. 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 Recommending Corn Hybrids

The state of Virginia was divided for purposes of testing and recommending corn hybrids into five regions due to differences in elevation, soils, and climatic conditions. With very few exceptions, hybrids tested at two or more locations within one of these areas were the same. When two or more tests were conducted within a region, the results are reported for each test individually and as an average for the tests in the area.

An attempt was made in 1958 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.

### Growing Conditions

The growing season during 1958 was generally very favorable for corn. However, heavy rains at planting time resulted in very poor stands in the test at the Shenandoah Research Station near Steeles Tavern, and it was abandoned. A late summer drought seriously affected yields obtained in the test conducted at the Bright Tobacco Research Station at Chatham in the Southern Piedmont. Yields obtained at other locations were satisfactory to very good.

There was relatively little breakage in the tests in 1958. No major storms struck the eastern part of the State. The only test which suffered seriously from wind damage was the one conducted near Dryden in the Southwest corner of the State.

Late summer rains in some areas resulted in a relatively high incidence of ear rot. Ability to produce high quality corn under adverse conditions is, of course, a very important trait for a hybrid to have.

#### 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. Cooperators' names and pertinent cultural data 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.

#### 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</u>
Buchanan	C.J. Buchanan, New Market, Virginia
Broadbent	Broadbent Hybrids, Cobb, Kentucky
Coker	Coker Pedigreed Seed Co., Hartsville, S. C.
DeKalb	DeKalb Agri. Assn., DeKalb, Illinois
Funk G	Funk Bros. Seed Co., Bloomington, Illinois
Kenworthy	Kenworthy Seeds, Greenfield, Ohio

<u>Hybrid Brand Name</u>	<u>Source of seed</u>
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
Ruff	Herbert N. Ruff., Amanda, Ohio
Southern States	Coop. Seed & Farm Supply Service, Richmond, Va.
Supercrost	E. J. Funk & Sons, Kentland, Indiana
Todd	Todd Seed Corn, Mt. Airy, Maryland
Ward	Mack E. Ward, Leesburg, Virginia
Wood	T. W. Wood & Sons, Richmond, Virginia

Station Hybrids Tested in 1958

<u>Hybrid</u>	<u>Pedigree</u>
N.J. 8	(WF9 x Hy 2) (C102 x C103)
Ohio C54	(Oh 26 x Hy) (Oh 43 x Oh 45)
Ohio W64	(WF9 x Oh51A) (Oh43 x Oh45)
Pa 711	(WF9 x Oh 51A) (Oh 43 x Pa70)
Pa 807	(WF9 x Hy) (Oh 43 x Pa 70)
US 13	(WF9 x 38-11) (Hy x L317)
US 262A	(Kys x Hy) (CI 2 x CI 3A)
US 505	(WF9 x 38-11) (T8 x K155)
US 523W	(Ky 27 x Ky 49) (K55 x K64)
US 578	(Kys x CI 21E) (CI27 x CI 3A)
Va 126c	(Va 31 x C103) (Oh 43 x Oh 45)
Va 126d	(Va 32 x C103) ( " )
Va 126t(b)	(Va 17b x " ) ( " )
Va 126t(c)	(Va 17c x " ) ( " )
Va 143c	(Va 31 x T8) (Oh 43 x K155)
Va 310	(WF9 x W24) (Oh 43 x Hy3)
Va 339	(WF9 x T8) ( " )
Va 339c	(Va 31 x T8) ( " )
Va 401	(WF9 x T8) (Hy 3 x Va 12a)
Va 491	(WF9 x Oh 51A) (Oh 43 x Va 38)
Va 502	(Va 32 x Oh 51A) (Oh 43 x Hy3)
Va 502t	(Va 17 x " ) ( " )
Va 514c	(Va 31 x Pa 70) (Hy 3 x C103)
Va 556	(Va 17 x C103) (Hy 3 x Va 28)
Va 602	(Va 31 x A295) (Oh 51A x Pa 70)
Va 613	(WF9 x Oh 51A) (Oh 43 x Va 28)
Va 615	( " ) (W 24 x Va 14c)
Va 633	(Va 31 x W10) (Oh 43 x Hy 3)
Va 634	(Oh 51A x W24) ( " )
Va 638	(Va 31 x Va 24) ( " )
Va 642	(Va 32 x Va 39) ( " )

<u>Hybrid Brand Name</u>	<u>Source of seed</u>
Va 712	(WF9 x Oh 51A) (Oh 43 x Ab16)
Va 715	( " " ) (Oh 43 x CI 7A)
Va 716	( " " ) (Va 35c x Va 30)
Va 733	(Va 31 x T8) (Ab 16 x Hy 3)
Va 734	( " " ) ( " x Oh 43)
Va 736	( " " ) ( " x C 103)
Va 737	( " " ) (Va 2k x Va 12a)
Va 738	( " " ) (T202 x Va 12a)
Va 739	( " " ) (CI 7 x CI03)
Va 740	(WF9 x Va 33) (Hy 3 x CI03)
Va 741	( " " ) (Oh 43 x K155)
Va 743	(WF9 x N6) (Oh 43 x Va 38)
Va 744	(WF9 x Va 35c) (Va 29 x Hy 3)
Va 749	( " " ) (Ab 16 x Hy3)
Va 759	(Va 32 x Ab 16) (Oh 43 x Va 38)
Va 76;	(WF9 x CI 7A) (Oh 43 x K155)

Corn Hybrids Recommended for Planting in Virginia in 1959

Southern Coastal Plain (South of James River)

Yellow:  
 Early: VPI 426; Ohio C54; Southern States Pocahontas; Funk G91  
 Medium early: VPI 648; VPI 646; Funk G134; US 505  
 Full season: VPI 653; Wood V44; Funk G704  
 Late: Pioneer 309A;  
 Promising: <sup>(4)</sup> Pioneer 301A; Pioneer 1363; Funk G144; Va. 339; Va. 126T; DeKalb 660; DeKalb 803A

White:  
 Medium early: Wood V125W; US 523W

Silage: <sup>(3)</sup> NC 1032; Dixie 33; or any full season or medium early hybrid which is recommended for grain.

Northern Coastal Plain (North of James River)

Yellow  
 Early: VPI 426; Ohio C54<sup>(1)</sup>; Southern States Pocahontas; Funk G91  
 Medium early: VPI 648; VPI 646; US 505; Funk G134  
 Full season: VPI 653; Funk G704; Wood V44; Pioneer 312A  
 Promising: <sup>(4)</sup> Pioneer 1363; Va. 339; Funk G144; Va. 126T; Wood V30

White:  
 Medium early: US 523W; Wood V125W;

Silage: <sup>(3)</sup> US 578; or any full season or medium early hybrid which is recommended for grain.

Southern Piedmont (South of James River)

Yellow:  
Early: VPI 426; Ohio C54<sup>(1)</sup>; Funk G91; Southern States  
Pocahontas  
Medium early: VPI 648; VPI 646<sup>(1)</sup>; Funk G134; Pioneer 301A  
Full season: VPI 653; Funk G704; Wood V44; Pioneer 312A  
Promising:<sup>(4)</sup> Pa. 711; Va. 339; Pioneer 1363; PAG 444; Va. 126T;  
Pioneer 317A; Wood V30

White:  
Full season: Wood V125W; Southern States 903W; US 523W  
Silage:<sup>(3)</sup> US 578; or any full season or medium early hybrid  
which is recommended for grain.

Northern Piedmont (North of James River)

Yellow:  
Medium early: VPI 426; Funk G76; Ohio C54<sup>(1)</sup>; Wood V26Y  
Full season: VPI 648; VPI 645<sup>(1)</sup>; US 505; Funk G134; Wood V44;  
DeKalb 630; Pioneer 301A; Funk G91; VPI 646<sup>(1)</sup>;  
VPI 653; Pioneer 312A

White:  
Full season: Pioneer 510; Southern States 903W  
Promising:<sup>(4)</sup> Pioneer 329  
Silage:<sup>(3)</sup> US 262 or US 262A; US 578; or any full season  
hybrid recommended for grain.

West of Blue Ridge

Yellow:  
Early: (For higher elevations - will generally mature  
two weeks earlier than US 13) Wis. 412; Wis. 355;  
Pa. 444  
Medium early: Pioneer 342A<sup>(1)</sup>; Ohio W64; Ohio C54; Funk G76;  
VPI 426  
Full season: VPI 648; Funk G91; Funk G134  
Late: VPI 645<sup>(1)</sup>; VPI 646; US 505  
Promising:<sup>(4)</sup> Pioneer 329; Va. 126T; Va. 339; Va. 514c  
Silage:<sup>(3)</sup> US 262A<sup>(2)</sup>; US 578<sup>(2)</sup>; or any full season hybrid  
recommended for grain.

- (1) Will not be recommended after 1959.
- (2) For low elevations with long growing seasons.
- (3) Full season hybrids when used for silage and planted at around 16,000 plants per acre have produced as much total feed per acre as later hybrids and the silage has contained a somewhat higher percentage of grain.
- (4) Promising hybrids; These varieties have performed well in tests in previous years.

Holland Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check(2)	Ear Height Inches	Husk Rating (3)	Shank Rating (3)	Leaf Blight (4)
	%	%	%							
Todd 620B	0	1	21.7	3.4	103.8	98	40	3.0	3.0	0.8
Va 502	0	0	21.9	3.3	89.3	84	28	3.0	2.8	0.5
SS Pocahontas	0	3	22.0	3.5	102.4	97	42	3.0	3.3	0.6
Va 633	0	2	22.3	3.4	94.2	89	36	3.8	2.8	0.5
Pion 338A	0	2	22.4	3.3	104.5	98	36	3.5	3.3	0.5
E.J. Funk 1005A	0	6	22.4	3.0	105.8	100	48	3.0	3.0	0.5
Pion 301A	0	0	22.4	3.1	106.3	100	36	3.0	2.8	0.5
Va 502t	0	0	22.6	3.5	107.2	101	42	3.3	3.0	0.5
DeKalb 630	0	2	22.7	3.5	97.0	91	30	3.0	2.8	0.6
Funk G95A	1	0	22.7	3.0	103.3	97	36	3.3	3.3	0.5
VPI 426	0	0	22.8	3.3	100.4	95	36	3.0	2.5	0.5
Funk G91	0	9	22.8	3.4	123.9	117	46	3.3	3.3	0.5
DeKalb 444	0	3	22.9	3.4	90.6	85	30	3.3	2.8	0.5
Va 634	0	6	23.0	3.1	91.5	86	36	3.0	2.3	0.5
PAG 403	0	0	23.0	3.4	96.3	91	40	3.0	3.5	0.6
Pion 1363	0	1	23.1	3.1	101.1	95	46	3.3	2.8	0.5
Pion 312A	0	9	23.2	3.6	109.2	103	42	3.3	2.8	0.5
SS 903W	0	3	23.2	3.6	109.2	103	48	3.5	3.3	0.9
US 505	0	9	23.2	3.3	108.6	102	48	3.5	3.0	0.5
Ohio C54	0	2	23.3	3.3	91.5	86	36	3.0	2.0	0.5
DeKalb 803A	0	2	23.4	3.5	105.2	99	46	3.3	3.0	0.5
Va 739	0	2	23.4	3.9	111.3	105	48	3.0	2.3	0.5
Pion 332-2A	0	4	23.4	3.3	116.8	110	54	3.0	2.3	0.6
Kenworthy 50	0	0	23.4	3.6	98.6	93	36	3.8	2.8	0.5
DeKalb 633	0	9	23.5	3.4	97.0	91	40	3.3	2.8	0.5
Va 126c	0	1	23.5	3.3	108.6	102	30	3.0	2.8	0.5
Todd 602	0	3	23.5	3.4	104.1	98	36	3.0	3.0	0.5
VPI 646	0	4	23.6	3.8	112.7	106	42	3.0	3.8	0.5
Va 642	0	3	23.6	3.0	97.0	91	34	3.3	2.5	0.5
Va 741	0	0	23.6	3.3	109.2	103	42	3.0	2.8	0.6
DeKalb 803	0	0	23.6	3.1	113.1	107	48	3.3	3.0	0.6
Va 514c	0	0	23.7	3.3	91.3	86	40	3.3	2.5	0.5
Funk G76	0	3	23.8	3.4	94.2	89	36	3.0	3.0	0.9
Todd 635	0	2	23.8	3.4	105.2	99	40	3.5	3.5	0.5
VPI 653	0	2	23.8	3.4	102.1	96	42	3.3	3.0	0.5

Holland Corn Test-1958 (Cont'd)

Funk G134	0	0	23.9	3.6	112.0	106	42	3.0	3.0	0.6
VPI 648	0	2	24.0	3.5	109.2	103	48	3.0	2.3	0.5
Wood V30	0	0	24.0	3.5	111.3	105	42	3.0	3.8	0.5
Va 733	0	2	24.2	3.8	99.7	94	42	3.0	2.8	0.5
Va 126t(b)	0	1	24.2	3.8	107.3	101	30	3.0	2.8	0.5
Va 126d	0	1	24.3	3.1	106.5	100	28	3.0	2.8	0.5
Va 761	0	2	24.4	3.3	105.8	100	46	3.3	2.8	0.5
Va 736	0	1	24.4	3.5	105.2	99	40	3.3	2.8	0.6
Va 556	0	1	24.4	3.8	116.7	110	36	3.3	2.8	0.5
Va 734	0	2	24.6	3.8	99.0	93	40	2.8	2.8	0.5
Va 143C	1	3	24.6	3.8	101.3	95	48	3.3	2.5	0.5
Todd 642	0	3	24.7	3.5	102.4	97	34	3.3	2.8	0.5
Wood V26Y	0	0	24.7	2.9	92.9	88	36	3.3	3.3	0.6
Wood V125M	9	5	24.7	4.0	121.5	115	54	3.5	2.3	0.5
Funk G704	0	9	24.8	3.4	98.1	92	48	3.0	2.8	0.5
DeKalb 660	0	0	24.9	3.8	100.6	95	28	3.3	2.8	0.5
Kenworthy 55	0	3	25.0	3.3	99.7	94	40	3.0	3.0	1.0
Funk G144	0	0	25.2	3.5	107.9	102	36	3.5	3.0	0.5
Va 339c	0	3	25.3	3.5	101.1	95	36	3.3	2.5	0.5
US 262A	0	3	25.5	3.9	121.5	115	60	3.3	3.0	0.5
US 578	0	2	25.6	4.0	121.5	115	52	3.3	3.0	0.5
Va 339	0	0	25.6	3.3	97.0	91	36	3.0	2.8	0.5
Wood V44	1	1	26.0	3.6	113.3	107	48	3.3	3.0	0.5
US 523M	0	9	26.2	3.6	113.3	107	52	4.0	2.8	0.5
PAG 444	0	2	26.3	3.3	101.7	96	42	3.0	2.5	0.5
Coker 15	0	0	26.7	3.8	85.4	80	48	4.3	4.3	0.5
Pion 309A	0	2	27.4	3.6	107.2	101	52	4.0	3.3	0.6
Coker 616	9	9	28.0	4.1	114.0	107	54	4.0	3.0	0.6
Pion 309B	0	3	29.7	3.8	113.3	107	48	3.8	3.0	0.5

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- (1) Quality Score = from 1 = very poor to 5 = very good
- (2) Check Varieties = average yield of VPI 646, VPI 648, VPI 426, and VPI 653 = 106.1 bu/acre
- (3) Scored from 0 = very short to 5 = very long
- (4) Leaf Blight - from 0 = no blight to 5 = completely blighted

Cooperator: M. W. Alexander      Date Planted: May 23 and 24  
 Plot: Single row - 30' long - 36' between rows - 12" between plants in rows.  
 Fertilizer: 700 # 5-10-10 broadcast, 300 # 5-10-10 at planting, 80 # liquid N sidedressing



Petersburg Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check (2)	Ear Height (3)	Plant Height (3)	Husk Rating (4)	Shank Rating (4)
	%	%	%							
Va 633	4	4	17.9	2.3	89.2	90	M	L	2.3	M
Funk G76	1	1	18.2	3.3	101.7	103	M	M	3.3	ML
Va 634	1	7	18.4	2.0	94.6	95	M	M	4.0	S
DeKalb 444	1	2	18.5	2.5	94.6	95	M	M	3.3	ML
SS Pocahontas	1	4	18.6	2.5	112.1	113	M	M	2.8	L
Todd 620B	1	1	18.6	2.0	100.7	102	ML	M	3.0	ML
Funk G95A	0	2	18.7	2.3	106.0	107	L	L	3.0	ML
Pion 301A	2	6	19.2	2.5	107.6	109	M	L	2.8	M
Ohio C54	1	3	19.3	2.3	88.4	89	M	L	3.7	MS
Va 502	1	2	19.5	2.0	92.6	94	M	M	2.8	S
DeKalb 630	3	3	19.6	3.3	97.2	98	L	L	3.7	ML
Funk G91	2	2	19.8	2.8	105.0	106	M	M	3.3	ML
Todd 642	3	1	19.9	2.8	98.4	99	ML	ML	3.0	M
Pion 338A	2	3	20.0	2.8	96.2	97	MH	M	3.3	L
Pion 332-2A	3	7	20.0	3.0	116.3	117	MH	MH	2.8	ML
PAG 403	0	3	20.1	2.3	100.6	102	L	M	3.3	ML
Todd 602	0	1	20.3	3.0	97.0	98	M	L	2.8	ML
E.J. Funk 1005A	2	3	20.4	2.5	106.2	107	MH	M	2.8	M
Pion 1363	1	3	20.5	2.8	112.0	113	MH	H	3.3	S
Va 514C	0	0	20.7	2.3	98.6	100	M	H	3.3	ML
Funk G144	1	6	20.8	2.8	105.9	107	MH	M	4.8	ML
VPI 426	0	1	20.9	2.5	88.3	89	L	M	2.3	MS
Va 502t	2	4	20.9	2.8	99.2	100	MH	H	2.7	MS
Va 126c	0	1	21.0	2.3	89.0	90	L	L	3.0	ML
DeKalb 633	0	2	21.0	3.0	106.7	108	MH	MH	4.7	S
DeKalb 803A	2	1	21.1	2.8	109.8	111	MH	M	3.3	ML
DeKalb 660	0	4	21.1	2.3	100.2	101	L	M	4.3	ML
Va 339c	1	3	21.3	3.0	111.3	112	M	MH	3.0	MS
Wood V26Y	0	0	21.4	3.0	110.6	112	ML	M	4.3	L
Kenworthy 50	0	0	21.4	2.5	97.7	99	L	L	4.8	M
Funk G134	2	3	21.5	3.3	111.1	112	H	H	3.3	MS
Todd 635	0	2	21.5	2.8	99.9	101	H	H	4.7	MS
Va 126t(b)	0	0	21.6	3.3	106.7	108	ML	M	2.8	S
VPI 646	3	3	21.7	2.8	117.7	119	H	H	3.0	L
Wood V125W	4	17	21.7	2.5	130.2	131	H	H	3.3	MS

Petersburg Corn Test - 1958 (Cont'd)

Va 556	0	5	21.8	3.0	111.9	113	MH	MH	3.3	ML
Va 642	0	1	21.9	2.8	100.5	101	M	M	3.0	S
DeKalb 810	2	0	22.0	3.0	109.8	111	M	M	3.3	L
Va 733	0	0	22.0	3.0	116.3	117	MH	H	2.8	ML
Kenworthy 55	2	6	22.0	2.3	104.5	105	M	M	2.8	S
Va 126d	0	3	22.2	3.3	108.8	110	L	M	3.3	L
VPI 653	0	1	22.2	2.5	95.4	96	M	M	3.0	MS
Va 761	0	2	22.3	2.8	109.7	111	H	M	5.0	ML
Va 736	0	0	22.3	3.0	105.8	107	MH	H	2.0	MS
Wood V30	0	4	22.4	3.0	112.4	113	M	H	2.8	ML
Va 741	1	3	22.4	2.3	102.0	103	MH	H	4.0	L
US 523!!	1	4	22.4	3.3	134.0	135	MH	H	3.8	M
VPI 648	0	2	22.5	3.0	97.3	98	MH	H	3.3	S
Va 734	0	3	22.5	2.3	92.3	93	M	M	2.3	MS
PAG 444	1	3	22.6	2.0	109.0	110	M	H	2.3	ML
US 505	1	8	22.6	2.5	123.2	124	H	H	3.8	L
Va 339	1	4	22.9	2.3	107.1	108	MH	MH	3.0	MS
Va 739	0	3	23.2	3.0	116.4	117	MH	H	2.8	L
SS 903!!	1	4	23.2	3.0	118.9	120	H	H	3.3	L
US 262A	4	3	23.4	2.5	131.3	133	H	H	3.3	ML
Va 143c	1	3	24.0	2.8	97.3	98	MH	H	2.8	S
Coker 15	3	2	24.1	2.3	106.0	107	H	H	4.0	S
Funk G704	1	4	23.4	3.0	108.1	109	M	H	4.0	M
Pion 312A	3	6	24.4	2.3	102.9	104	MH	M	4.0	ML
Wood V44	2	6	24.4	3.0	120.4	122	H	H	3.3	ML
US 578	3	8	24.7	3.0	123.3	124	H	H	3.0	MS
Pion 309A	1	8	26.7	3.3	120.0	121	H	H	4.0	ML
Pion 309B	2	1	28.9	3.3	112.9	114	H	H	4.0	MS
Coker 616	2	2	29.2	3.0	130.8	132	H	H	4.3	S

- (1) Quality Score = from 1 = very poor to 5 = very good.
- (2) Check - VPI 426, VPI 646, VPI 648 & VPI 653 = 99.7 bu/acre.
- (3) Scored - L = low, M = medium H = high.
- (4) Scored - 1 = very short to 5 = very long.
- (5) Scored - L = long, M = medium, S = short.

Cooperator: M. T. Carter  
 Date Planted: May 12, 1958  
 Date Harvested: Sept. 22-23, 1958  
 Plot: Single row - 38' between rows 31'8" = row length, 2 plants per hill - 20' between hills  
 Fertilizer Applied: 600# 10-10-10, 150# N top dressing.

Summary Southern Coastal Plain Corn Test - 1958

(Data from Holland and Petersburg)

Variety	Lodged & Broken	Moisture at Harvest	Quality Score (%)	Bushels per Acre	Percent of Check (2)
	%	%			
Va 633	5	20.1	2.9	91.7	89
Todd 620B	2	20.2	2.7	102.3	99
SS Pocahontas	4	20.3	3.0	107.3	104
Va 502	2	20.7	2.7	91.0	88
Funk G95A	2	20.7	2.7	104.7	102
DeKalb 444	3	20.7	3.0	92.6	90
Va 634	7	20.7	2.6	93.1	90
Pion 301A	4	20.8	2.8	107.0	104
Funk G76	3	21.0	3.4	98.0	95
Pion 338A	4	21.2	3.1	100.4	98
DeKalb 630	4	21.2	3.4	97.1	94
Funk G91	7	21.3	3.1	114.5	111
Ohio C54	3	21.3	2.8	90.0	87
E. J. Funk 1005A	6	21.4	2.8	106.0	103
PAG 403	2	21.6	2.9	98.5	96
Pion 332-2A	7	21.7	3.2	116.6	113
Va 502t	3	21.8	3.2	103.2	100
Pion 1363	3	21.8	3.0	106.6	104
VPI 426	1	21.9	2.9	94.4	92
Todd 602	2	21.9	3.2	100.6	98
Va 514C	0	22.2	2.8	95.0	92
DeKalb 803A	3	22.3	3.2	107.5	104
DeKalb 633	6	22.3	3.2	101.9	99
Va 126C	1	22.3	2.8	98.8	96
Todd 642	4	22.3	3.2	100.4	98
Kenworthy 50	0	22.4	3.1	98.2	95
VPI 646	5	22.7	3.3	115.2	112
Todd 635	2	22.7	3.1	102.6	100
Funk G134	3	22.7	3.5	111.6	97
Va 642	2	22.8	2.9	98.8	96
US 505	9	22.9	2.9	115.9	113
Va 126t(b)	1	22.9	3.6	107.0	104
Va 741	2	23.0	2.8	105.6	103

Summary Southern Coastal Plain Corn  
Tests - 1958 (Cont'd)

VPI 653	2	23.0	3.0	98.8	96
DeKalb 660	2	23.0	3.1	100.4	98
Funk G144	3	23.0	3.2	106.9	104
Va 733	1	23.1	3.4	108.0	105
Va 556	3	23.1	3.4	114.3	111
Wood V26Y	0	23.1	3.0	101.8	99
SS 903W	4	23.2	3.3	114.1	111
Wood V30	2	23.2	3.3	111.9	109
Wood V125W	18	23.2	3.3	125.9	122
Va 739	3	23.3	3.5	113.9	111
VPI 648	2	23.3	3.3	103.3	100
Va 126d	2	23.3	3.2	107.7	105
Va 339C	4	23.3	3.3	106.2	103
Va 761	0	23.4	3.1	107.8	105
Va 736	1	23.4	3.3	105.5	103
Kenworthy 55	5	23.5	3.1	102.1	99
Va 734	3	23.6	3.1	95.7	93
Pion 312A	9	23.8	3.0	106.1	103
Funk G704	7	24.1	3.2	103.1	100
Va 143C	8	24.3	3.3	99.3	96
Va 339	3	24.3	3.1	102.1	99
US 523W	7	24.3	3.5	123.7	120
PAG 444	3	24.5	2.7	105.4	102
US 262A	5	24.5	3.2	126.4	123
US 578	7	25.2	3.5	122.4	119
Wood V44	5	25.2	3.3	116.9	114
Coker 15	2	25.4	3.1	95.7	93
Pion 309A	6	27.1	3.5	113.6	110
Coker 616	11	28.6	3.6	122.4	119
Pion 309B	3	29.3	3.6	113.1	110

(1) Quality Score - from 1 = very poor to 5 = very good.

(2) Check - average yield of VPI 426, VPI 646, VPI 648, VPI 653 = 102.92 bu/acre.

Warsaw Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score <sup>(1)</sup>	Bushels per Acre	Percent of Check <sup>(2)</sup>	Ear Height	Plant Height	Leaf Blight <sup>(3)</sup>	Shank Rating <sup>(4)</sup>
	%	%	%				Inches	Inches		
Todd 620B	0	6	19.7	2.7	101.1	84	40	95	1	L
SS Pocahontas	1	3	19.8	4.0	112.7	93	43	96	2	L
Ward 666	5	4	20.1	3.3	112.0	93	35	84	0	L
E.J. Funk 1005A	1	14	20.3	3.3	114.7	95	48	99	0	M
Ruff 108	0	11	20.3	2.7	112.7	93	42	97	0	M
Todd 642	3	5	20.3	3.7	112.7	93	37	91	0	L
Funk G91	1	6	20.3	4.3	128.4	106	43	93	0	L
E.J. Funk 850	0	1	20.5	3.3	104.5	87	43	89	0	L
Pion 338A	1	3	20.6	3.0	116.1	96	41	94	0	L
E.J. Funk 680	0	7	20.6	3.3	106.5	88	35	80	0	M
Ohio C54	0	4	20.6	3.3	106.5	88	40	92	0	L
Pion 301A	12	9	20.7	4.0	121.5	101	41	91	0	L
Pion 1363	1	5	20.8	4.3	131.1	109	46	105	0	M
DeKalb 444	0	5	20.8	3.3	103.8	86	37	96	0	L
Funk G76	1	5	20.9	3.3	119.5	99	36	90	0	M
Todd 635	0	4	21.0	3.7	118.8	98	40	96	1	L
Todd 602	0	2	21.0	4.3	107.9	89	39	90	0	L
Pion 305	1	2	21.1	3.7	117.4	97	43	95	0	M
VPI 426	1	1	21.1	3.3	107.9	89	38	96	0	L
DeKalb 633	0	0	21.1	3.7	121.5	101	41	92	0	L
US 13	1	13	21.1	3.7	120.9	100	44	92	0	S
Funk G95A	0	0	21.2	3.3	116.8	97	37	88	1	S
DeKalb 630	3	6	21.4	3.7	109.9	91	39	92	0	L
Va 736	2	2	21.4	3.7	131.1	109	46	100	0	L
Va 502	0	0	21.4	3.3	112.0	93	39	88	0	M
Va 514C	1	3	21.6	4.3	116.8	97	44	102	0	L
E.J. Funk 840	2	2	21.6	3.3	112.7	93	44	93	1	S
Todd 645	0	0	21.7	4.0	120.2	100	43	96	0	L
Funk G134	0	1	21.8	3.7	124.3	103	43	100	0	M
Pion 332-2A	6	14	21.9	3.7	126.3	105	54	109	0	S
E.J. Funk 88E	1	1	21.9	4.0	118.8	98	40	91	0	S
VPI 646	1	3	22.0	4.0	126.3	105	45	99	0	M
VA 740	3	4	22.2	4.0	129.0	107	49	107	0	L
US 505	8	4	22.2	3.3	129.0	107	46	98	0	L

## Warsaw Corn Test - 1958 (Cont'd)

Va 126C	2	2	22.2	2.7	103.8	86	35	88	0	M
Wood V30	16	5	22.3	3.3	116.8	97	42	97	0	M
Va 556	3	5	22.4	4.0	133.1	110	44	104	0	M
Va 642	0	2	22.4	3.7	109.2	90	34	84	0	M
VPI 648	2	2	22.5	4.3	127.7	106	48	104	0	L
Va 749	2	2	22.5	4.0	112.7	93	39	88	0	S
Wood V26Y	1	3	22.6	4.7	117.4	97	49	104	0	L
Va 126d	1	1	22.7	5.0	118.8	98	37	94	0	L
SS 903W	13	3	22.8	4.0	139.3	115	47	101	.8	L
Va 126t(c)	0	3	22.8	4.7	126.3	105	41	97	0	M
VPI 653	3	2	22.9	3.7	120.9	100	42	101	0	S
Wood V 125W	22	10	22.9	3.3	118.1	98	52	110	0	S
Todd 840	2	11	22.9	3.3	127.7	106	42	98	0	L
DeKalb 803A	0	6	23.1	3.7	119.5	99	47	100	0	L
Wood V44	7	8	23.1	5.0	136.6	113	50	105	0	S
DeKalb 810	0	6	23.1	4.0	125.0	104	47	107	0	M
Va 741	8	1	23.1	3.7	129.0	107	51	107	0	M
Va 733	0	3	23.2	4.0	120.9	100	45	98	0	S
Va 761	5	1	23.2	3.7	126.3	105	44	101	0	S
Funk G144	1	4	23.3	4.0	124.3	103	41	94	0	M
Va 739	4	5	23.3	4.0	124.3	103	45	103	0	M
US 262A	5	21	23.5	4.0	137.9	114	45	108	0	L
Funk G704	1	11	23.8	3.7	131.8	109	46	97	0	M
Kenworthy 55	3	4	24.2	3.3	127.0	105	42	100	0	S
US 523W	16	14	24.4	4.3	127.7	106	49	98	0	M
Pion 312A	5	4	24.6	5.0	127.6	106	42	96	0	M
PAG 444	0	5	24.9	3.7	118.8	98	39	100	0	M
Va 744	3	4	24.9	3.3	126.3	105	45	102	0	M
Pion 309A	0	6	25.4	5.0	133.8	111	49	97	0	M
Pion 309B	3	2	28.8	5.0	121.5	101	46	96	0	L

(1) Quality Score - from 1 = very poor to 5 = very good

(2) Check - average yield of VPI 426, VPI 646, VPI 648 and VPI 653 = 120.7 bu/acre

(3) Leaf Blight - from 0 = no blight to 5 = completely blighted

(4) Shank Rating = L = long, M = medium, S = short

Cooperator: H. M. Camper, Jr.

Plot Size: Single row 30' long, 3' apart.

Painter Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check (2)	Ear Height	Plant Height	Husk Rating (3)	Shank Rating (4)	Suckers per 100 plants	Smutted plants/100 p/ts
	%	%	%				Inches	Inches				
Pion 338A	0	9	13.7	3.0	92.2	104	37	73	G	ML	2	0
SS Pocahontas	0	21	14.2	3.0	81.9	93	38	72	M	L	10	0
Funk G76	0	10	14.3	1.0	81.9	93	33	67	M	M	2	0
Funk G95A	0	14	14.3	2.0	92.9	105	37	73	M	M	10	0
Pion 301A	0	23	14.3	3.0	87.4	99	33	71	M	M	19	0
E.J. Funk 630	0	11	14.4	3.0	85.4	97	34	69	M	M	5	0
E.J. Funk 88E	0	12	14.4	3.0	90.1	102	39	72	MG	M	2	0
Ohio C54	3	12	14.4	2.0	81.9	93	37	68	MG	M	2	0
Va 502	0	7	14.4	2.0	74.4	84	33	69	M	M	20	1
Va 126c	0	3	14.5	2.0	76.5	87	43	71	MG	M	0	0
Todd 642	0	9	14.7	3.0	86.0	97	38	70	MG	M	3	0
Ward 666	0	13	14.7	2.0	84.7	96	35	67	MG	M	4	0
Todd 602	0	11	14.7	4.0	94.2	107	41	74	M	M	13	0
Todd 602B	0	19	14.8	2.0	91.5	104	37	75	G	M	13	1
Va 514c	0	6	14.8	3.0	90.8	103	38	74	M	M	11	0
Funk G91	0	15	14.8	3.0	91.5	103	38	75	MG	M	10	0
VPI 426	0	8	14.9	1.0	73.7	83	35	71	M	M	1	0
DeKalb 803A	0	19	15.0	3.0	98.3	111	40	76	M	M	11	0
Va 556	0	3	15.0	4.0	100.4	114	40	75	M	M	11	0
E.J. Funk 850	0	19	15.0	4.0	88.1	100	40	72	M	ML	6	0
E.J. Funk 840	0	15	15.3	3.0	83.3	94	41	72	M	M	6	0
Todd 645	0	9	15.3	4.0	91.5	104	39	77	M	M	4	0
US 523M	0	32	15.6	3.0	107.2	121	43	77	G	M	7	1
E.J. Funk 1005A	0	24	15.6	4.0	92.9	105	42	76	M	M	5	0
DeKalb 630	0	14	15.6	3.0	89.4	101	36	71	M	M	6	1
Wood V26Y	0	7	15.6	3.0	78.5	89	38	74	MG	M	4	1
Todd 635	0	3	15.7	4.0	101.1	114	39	77	MG	M	5	0
Pion 1363	0	20	15.7	3.0	90.8	103	37	72	M	M	6	0
US 505	0	20	15.8	4.0	91.5	104	43	76	M	M	19	0
Pion 312A	0	11	15.8	4.0	98.3	111	40	77	MG	M	9	0
Ruff 108	0	8	15.8	3.0	82.6	94	37	75	M	MS	3	0
Pion 332-2A	0	47	15.8	4.0	97.6	111	41	71	M	M	0	1
Pion 305	0	6	15.8	3.0	82.6	94	38	75	M	M	3	0
Va 749	0	7	15.8	3.0	85.4	97	37	74	M	M	11	0
DeKalb 660	0	4	15.8	3.0	81.3	92	33	69	MG	M	12	0

## Painter Corn Test - 1958 (Cont'd)

SS 903W	0	25	15.9	4.0	102.4	116	45	79	MG	M	7	0
US 13	0	21	15.9	3.0	86.7	98	40	72	MG	M	9	0
Va 126d	0	5	16.0	2.0	86.7	98	32	62	M	ML	5	0
DeKalb 633	0	9	16.0	3.0	92.2	104	39	74	M	M	1	0
Va 642	0	5	16.1	3.0	86.0	97	38	71	MG	M	9	1
Va 740	0	15	16.1	4.0	91.5	104	39	76	M	M	2	0
Va 736	0	8	16.1	4.0	86.0	97	41	78	M	M	20	0
Wood V125W	0	24	16.1	3.0	100.4	114	47	79	MG	M	13	0
Va 126t(c)	0	4	16.1	4.0	88.1	100	39	74	M	M	2	0
Va 733	0	9	16.3	4.0	87.4	99	40	75	M	M	62	0
PAG 444	0	10	16.4	4.0	71.7	81	41	79	M	M	10	0
VPI 646	0	11	16.4	3.0	86.0	97	41	73	M	M	11	0
Kenworthy 55	0	14	16.5	3.0	76.5	87	38	74	MG	M	6	0
Funk G144	0	11	16.5	3.0	97.6	111	38	72	MG	M	6	0
DeKalb 810	0	16	16.5	3.0	99.7	113	42	78	M	M	5	1
Va 761	0	6	16.6	3.0	86.0	97	43	78	MG	M	4	0
Wood V44	0	17	16.7	5.0	108.6	123	43	80	M	M	10	0
Todd 840	0	22	16.7	3.0	88.1	100	40	77	M	M	4	0
Wood V30	0	3	16.7	3.0	89.4	101	41	76	M	M	13	0
Funk G134	0	17	16.8	4.0	99.0	112	42	80	G	M	4	0
VPI 648	0	9	17.0	4.0	97.0	110	41	78	M	M	4	0
Va 739	0	8	17.0	4.0	102.4	116	44	80	M	S	13	0
VPI 653	0	11	17.2	3.0	96.3	109	41	74	M	M	5	0
Va 741	0	8	17.2	3.0	90.1	102	41	76	M	M	9	0
Funk G704	0	16	17.5	3.0	99.0	112	42	74	M	M	5	0
Va 744	0	14	18.4	3.0	97.0	110	40	79	MG	M	11	0
Pion 309A	0	15	19.6	3.0	80.6	91	40	76	G	M	1	0
US 262A	0	14	20.5	4.0	112.7	128	49	83	M	M	1	0
Pion 309B	0	12	21.0	4.0	100.4	114	41	79	G	M	8	2

Cooperator: E. M. Dunton, Jr.

Plot: Single Row 30' long, 3' apart.

- (1) Quality Score:- from 1 = very poor to 5 = very good. Only one replication scored for quality
- (2) Check - average yields of VPI 426, VPI 646, VPI 648 and VPI 653 = 88.3 bu/acre.
- (3) Husk Rating - G = good, M = medium.
- (4) Shank Rating - L = long, M = medium, S = short.



Summary Northern Coastal Plain Corn Test - 1958

Variety	Lodged & Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Ear Height	Plant Height	Percent of Check (2)
	%	%			Inches	Inches	
SS Pocahontas	13	17.0	3.5	97.3	41	84	93
Pion 338A	7	17.2	3.0	104.2	39	84	100
Ward 666	11	17.4	2.7	98.4	35	75	94
Todd 642	9	17.5	3.4	99.4	38	81	95
E. J. Funk 680	9	17.5	3.2	96.0	35	75	92
Ohio C54	10	17.5	2.7	94.2	39	80	90
Pion 301A	22	17.5	3.5	104.5	37	81	100
Funk G91	11	17.6	3.7	110	41	84	105
Funk G76	8	17.6	2.2	100.7	35	79	96
E. J. Funk 850	10	17.8	3.7	96.3	42	81	92
Funk G95A	7	17.8	2.7	104.9	37	81	100
Todd 602	7	17.9	4.2	101.1	40	82	97
Va 502	4	17.9	2.7	93.2	36	79	89
E. J. Funk 1005A	20	18.0	3.7	103.8	45	88	99
VPI 426	5	18.0	2.2	90.8	37	84	87
Ruff 108	10	18.1	2.9	97.7	40	86	93
Va 514C	5	18.2	3.7	103.8	41	88	99
E. J. Funk 88E	7	18.2	3.5	104.5	40	82	100
Pion 1363	13	18.3	3.7	111.0	42	89	106
Todd 635	4	18.4	3.9	110.0	40	87	105
Va 126C	4	18.4	2.4	90.2	39	80	86
Pion 305	5	18.5	3.4	100.0	41	85	96
US 13	18	18.5	3.4	103.8	42	82	99
DeKalb 630	12	18.5	3.4	99.7	38	82	95
E. J. Funk 840	10	18.5	3.2	98.0	43	83	94
Todd 645	5	18.5	4.0	105.9	41	87	101
DeKalb 633	5	18.6	3.4	106.9	40	83	102
Va 556	6	18.7	4.0	116.8	42	90	112
Va 736	6	18.8	3.9	108.6	44	89	104
Pion 332-2A	34	18.9	3.9	112.0	48	90	107
US 505	16	19.0	3.7	110.3	45	87	106
Wood V26Y	6	19.1	3.9	98.0	44	89	94
DeKalb 803A	13	19.1	3.4	108.9	44	88	104
VPI 646	8	19.2	3.5	106.2	43	86	102

Summary Northern Coastal Plain Corn Test - 1958 (Cont'd)

Va 749	11	19.2	4.0	110.3	44	92	106
Va 749	6	19.2	3.5	99.1	38	81	95
Funk G134	9	19.3	3.9	111.7	43	90	107
Va 642	4	19.3	3.4	97.6	36	78	93
Va 126d	4	19.4	3.5	102.8	35	78	98
SS 903W	21	19.4	4.0	120.9	46	90	116
Wood V30	12	19.5	3.2	103.1	42	87	99
Va 126t (e)	4	19.5	4.4	107.2	40	86	103
Wood V125W	28	19.5	3.2	109.3	50	95	105
Todd 840	18	19.8	3.2	107.9	41	88	103
DeKalb 810	11	19.8	3.5	112.4	45	93	108
Va 733	6	19.8	4.0	104.2	43	87	100
VPI 648	7	19.8	4.2	112.4	45	91	108
Wood V44	16	19.9	5.0	122.6	47	93	117
Va 761	6	19.9	3.4	106.2	40	90	102
Funk G144	8	19.9	3.5	111.0	40	83	106
US 523W	31	20.0	3.7	117.5	46	88	112
VPI 653	8	20.1	3.4	108.6	42	88	104
Va 741	9	20.2	3.4	109.6	46	92	105
Va 739	9	20.2	4.0	113.4	45	92	109
Pion 312A	10	20.2	4.5	113.0	41	87	108
Kenworthy 55	11	20.4	3.2	101.8	40	87	97
Funk G704	14	20.7	3.4	115.4	44	86	110
PAG 444	8	20.7	3.9	95.3	40	90	91
Va 744	11	21.7	3.2	111.7	43	91	107
US 262A	20	22.0	4.0	125.3	47	96	120
Pion 309A	11	22.5	4.0	107.2	45	87	103
Pion 309B	9	24.9	4.5	111.0	44	88	106

(1) Quality Score - from 1 = very poor to 5 = very good.

(2) Check - average yields of VPI 426, VPI 646, VPI 648 and VPI 653 = 104.5 bu/acre.

Charlotte Courthouse Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check (2)	Ear Height (3)	Plant Height (3)	Ears per 100 plants
	%	%	%				Inches	Inches	
Pion 329	0	38	26.7	3.8	84.6	103	ML	L	103
Funk G76	0	31	26.9	3.8	80.0	97	M	ML	94
Pion 305	3	6	28.5	3.8	83.7	102	MH	MH	94
Funk G95A	0	9	28.6	3.3	74.9	91	MH	ML	97
DeKalb 850	0	34	28.8	3.5	76.0	93	M	M	94
Funk G134	0	28	29.0	4.0	92.3	112	MH	MH	97
Va 638	3	19	29.1	3.8	82.8	100	ML	ML	97
Ohio C54	0	13	29.1	4.0	85.1	104	M	M	100
Pion 338A	1	11	29.3	3.5	78.1	95	ML	ML	91
PAG 403	0	6	29.4	3.3	78.3	95	M	ML	100
E.J. Funk 840	3	44	29.4	3.8	76.8	94	M	ML	91
SS Mohawk	0	19	29.6	3.8	85.3	104	M	ML	94
Pion 317A	0	16	29.6	4.0	84.1	102	M	ML	100
Va 310	0	47	29.6	4.0	81.7	100	ML	ML	97
VPI 426	0	25	29.7	3.5	79.0	96	M	M	94
Todd 635	0	19	29.8	3.8	83.2	101	M	ML	91
Va 634	6	27	30.0	3.8	79.8	97	M	M	94
Va 759	0	31	30.0	3.8	80.8	98	ML	L	97
VPI 653	0	16	30.1	4.0	84.3	103	MH	MH	90
SS Pocahontas	0	25	30.2	4.0	81.5	99	M	MH	97
Funk G91	0	34	30.3	3.8	88.3	108	MH	M	97
Va 736	0	3	30.4	4.0	86.6	105	MH	MH	103
Pion 332-2A	3	41	30.4	3.8	91.2	111	MH	MH	100
Va 126t(b)	0	6	30.5	3.8	91.1	111	M	M	91
Va 642	0	25	30.7	4.0	85.2	104	M	ML	100
Wood V26Y	0	22	30.7	4.0	88.3	108	MH	MH	100
Ruff 108	0	28	30.8	3.8	83.5	102	MH	M	97
Va 126c	0	26	30.8	4.0	77.6	95	ML	ML	103
DeKalb 630	3	22	30.9	3.8	81.4	99	ML	ML	100
N.J. 8	6	28	30.9	3.8	93.6	114	H	MH	100
Todd 840	0	47	31.0	3.8	89.3	109	M	ML	94
DeKalb 803A	0	35	31.0	4.0	87.2	106	M	M	90
US 13	3	56	31.1	3.5	87.9	107	MH	M	97
Va 741	6	6	31.1	4.0	78.2	95	H	H	88
Pion 301A	0	19	31.4	4.0	81.8	100	MH	ML	84

Charlotte Courthouse Corn Test -  
1958 (Cont'd)

Pion 1363	0	18	31.5	3.8	85.7	104	MH	M	94
Va 556	0	3	31.5	4.3	95.9	117	MH	MH	94
Va 339C	6	25	31.7	4.0	89.8	109	MH	MH	100
Funk G144	3	31	31.9	4.0	86.3	105	M	M	94
Va 737	6	0	31.9	3.3	79.0	96	M	M	91
DeKalb 810	1	5	32.0	3.8	89.9	109	M	M	100
Kenworthy 50	0	13	32.0	3.8	79.5	97	ML	ML	91
DeKalb 640	0	16	32.0	4.0	86.0	105	M	M	103
Wood V125W	0	16	32.0	4.0	87.1	106	H	H	85
SS 903W	0	10	32.1	3.5	78.7	96	MH	MH	84
E. J. Funk 1005A	3	34	32.1	3.8	82.9	101	M	ML	94
Va 733	0	3	32.1	3.8	82.5	100	MH	MH	88
Va 143C	0	6	32.4	3.8	85.4	104	MH	MH	97
Funk G704	0	19	32.5	3.8	82.7	101	M	M	85
Kenworthy 55	3	22	32.5	3.8	76.2	93	MH	ML	89
VPI 646	6	16	32.5	3.8	79.2	96	M	M	81
Va 761	9	25	32.6	4.0	79.2	96	MH	MH	91
VPI 648	0	9	32.6	4.0	86.0	105	M	M	91
US 505	0	9	32.6	4.0	83.8	102	H	MH	91
Va 126d	0	16	32.9	4.0	89.0	108	L	M	94
PAG 444	0	13	33.0	3.5	82.0	100	M	M	90
Wood V30	0	3	33.2	3.5	83.8	102	MH	M	97
Wood V44	0	6	33.3	4.0	92.8	113	MH	H	91
Va 738	0	13	33.9	3.8	78.8	96	H	MH	81
US 523W	0	28	34.5	3.8	90.9	111	H	H	97
Pion 312A	1	3	35.1	4.0	84.6	103	MH	M	91
Coker 15	9	19	36.1	3.3	68.8	84	MH	MH	97
US 262A	13	47	36.3	3.5	91.3	111	H	H	97
Pion 309A	0	9	36.9	3.8	85.1	104	MH	MH	97

Cooperator: R. D. Sears      Date Planted: May 15, 1958      Date Harvested: Sept. 22 & 23, 1958

Plot Size: Single row plot 30' long, 3.3' wide.

Fertilization: 1000 #/A 5-10-10 broadcast, 300 #/A 5-10-10 in rows  
90 #/A N side dressing at second cultivation.

- (1) Quality Score - from 1 = very poor to 5 = very good.
- (2) Check - average yield of VPI 426, VPI 646, VPI 648 and VPI 653 = 82.1 bu/acre.
- (3) Scored - L = low, M = medium, H = high.

Chatham Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check (2)
	%	%	%			
Ohio C54	0	3	12.4	3.6	41.3	104
Va 759	0	8	12.4	3.6	38.1	96
Funk G76	0	10	12.7	3.9	44.0	111
Va 126C	0	4	12.7	3.4	44.2	112
Pion 338A	0	14	12.8	3.0	41.8	106
Ruff 108	0	10	12.9	3.1	39.4	100
Pion 301A	0	13	12.9	2.9	40.7	103
Va 310	0	20	12.9	3.8	44.8	113
SS Pocahontas	0	17	13.0	3.5	32.1	81
US 13	0	18	13.0	3.4	47.7	121
SS Mohawk	0	11	13.1	3.6	32.8	83
E.J. Funk 840	0	30	13.1	3.3	43.7	111
Kenworthy 50	0	15	13.2	3.1	36.9	93
Pion 329	1	12	13.2	3.6	38.0	96
Funk G91	0	23	13.3	3.0	39.2	99
Wood V30	0	17	13.3	3.9	42.2	107
Pion 317A	0	13	13.3	3.3	44.6	113
Va 638	0	5	13.3	4.0	45.7	116
Va 556	0	9	13.4	3.8	44.5	113
E.J. Funk 1005A	0	18	13.4	3.0	37.4	95
N.J. 8	0	19	13.4	3.1	32.4	82
Va 642	0	10	13.5	3.5	40.1	101
Funk G95A	0	10	13.5	3.3	43.1	109
Pion 305	0	15	13.5	3.4	38.5	97
DeKalb 630	0	23	13.6	3.1	33.8	86
VPI 426	0	13	13.7	3.4	35.3	89
Todd 840	0	18	13.7	3.3	36.0	91
PAG 403	0	18	13.8	2.8	34.9	88
Funk G134	0	13	13.8	3.6	40.4	102
DeKalb 810	0	22	13.8	3.1	42.1	107
Wood V26Y	0	17	13.9	3.0	35.0	89
Va 634	0	18	13.9	3.5	41.7	106
DeKalb 803A	0	27	14.0	3.0	41.0	104
PAG 444	0	6	14.0	3.4	41.1	104
VPI 648	0	17	14.1	3.6	47.4	120

## Chatham Corn Test - 1958 (Cont'd)

Va 126t (b)	0	7	14.1	3.6	41.3	104
Wood V125V	0	4	14.1	3.8	30.5	77
Va 126d	0	11	14.2	3.6	44.7	113
Todd 635	0	11	14.2	3.3	32.8	83
Va 761	0	8	14.3	2.9	30.9	78
Kenworthy 55	0	16	14.3	3.3	31.9	81
Va 339C	0	14	14.3	4.0	45.6	115
US 505	0	3	14.3	3.4	34.5	87
Va 736	0	10	14.3	3.4	39.1	99
Va 143C	0	8	14.4	3.9	38.1	96
Va 741	0	4	14.4	3.0	35.4	90
VPI 646	1	5	14.4	2.3	30.3	77
Pion 1363	0	19	14.5	3.6	42.6	108
Pion 332-2A	0	3	14.5	2.9	31.8	80
Funk G704	0	8	14.6	3.3	35.7	90
DeKalb 840	0	3	14.6	3.4	45.7	116
Funk G144	0	14	14.9	3.9	47.4	120
VPI 653	0	14	14.9	3.6	45.1	114
Va 733	0	12	15.3	3.8	44.0	111
Va 737	0	19	15.4	3.5	41.4	105
Wood V44	0	19	15.6	3.9	40.8	103
Pion 312A	0	18	15.6	3.3	29.7	75
SS 903V	0	10	15.6	4.8	29.8	75
SS Catawba	0	7	16.2	3.5	39.2	99
US 523V	0	13	16.4	4.0	40.6	103
Coker 15	0	14	16.7	4.3	41.2	104
US 262A	0	18	16.9	3.5	35.7	90
Pion 309A	0	5	17.0	3.4	36.8	93
Va 738	0	11	17.0	3.5	34.4	87

Cooperator: M. J. Rogers

Date Planted: Apr. 24, 1958

Date Harvested: Oct. 16, 1958

Plot Size: Single row plots 31.3' long x 3.2' wide

Fertilization: 800 #/A 2-12-12, 54 #/A N side dressing

(1) Quality Score:- from 1 = very poor to 5 = very good.

(2) Check = average yield of VPI 426, VPI 646, VPI 648 and VPI 653 = 39.5 bu/acre.

Summary Southern Piedmont Corn Tests - 1958  
 Data from Chatham and Charlotte Court House

Variety	Lodged & Broken %	Moisture at Harvest %	Quality <sup>(1)</sup> Score	Bushels per Acre	Percent of Check <sup>(2)</sup>
Funk G76	21	19.8	3.9	62.0	102
Pion 329	26	20.0	3.7	61.3	101
Ohio C54	8	20.8	3.8	63.2	104
Pion 305	12	21.0	3.6	61.1	100
Pion 338A	13	21.1	3.3	60.0	99
Funk G95A	10	21.1	3.3	59.0	97
Va 759	20	21.2	3.7	59.5	98
Va 638	14	21.2	3.9	64.3	106
Va 310	34	21.3	3.9	63.3	104
E. J. Funk 840	39	21.3	3.6	60.3	99
SS Mohawk	15	21.4	3.7	59.1	97
Funk G134	21	21.4	3.8	66.4	109
Pion 317A	15	21.5	3.7	64.4	106
SS Pocahontas	21	21.6	3.8	56.8	93
PAG 403	12	21.6	3.1	56.6	93
VPI 426	19	21.7	3.5	57.2	94
Va 126C	15	21.8	3.7	60.9	100
Funk G91	29	21.8	3.4	63.8	105
Ruff 108	19	21.9	3.5	61.5	101
Va 634	26	22.0	3.7	60.8	100
Todd 635	15	22.0	3.6	58.0	95
US 13	39	22.1	3.5	67.8	111
Va 642	18	22.1	3.8	62.7	103
Pion 301A	16	22.2	3.5	61.3	101
E. J. 8	27	22.2	3.5	63.0	104
DeKalb 630	25	22.3	3.5	57.6	95
Va 126t (b)	7	22.3	3.7	66.2	109
Wood V26Y	20	22.3	3.5	61.7	101
Todd 840	33	22.4	3.6	62.7	103
Va 736	7	22.4	3.7	62.9	103
Va 556	6	22.5	4.1	70.2	115
DeKalb 803A	31	22.5	3.5	64.1	105
Pion 332-2A	24	22.5	3.4	61.5	101

Summary Southern Piedmont - 1958 (Cont'd)

VPI 653	15	22.5	3.8	64.7	106
Kenworthy 50	14	22.6	3.5	58.2	96
E.J. Funk 1005A	28	22.8	3.4	60.2	99
Va 741	8	22.8	3.5	56.8	93
DeKalb 810	15	22.9	3.5	66.0	108
Va 339C	23	23.0	4.0	67.7	111
Pion 1363	19	23.0	3.7	64.2	106
Wood V125W	30	23.1	3.9	58.8	97
Wood V30	10	23.3	3.7	63.0	104
VPI 648	13	23.4	3.8	66.7	110
Kenworthy 55	21	23.4	3.6	54.1	89
Va 143C	7	23.4	3.9	61.8	102
Funk G144	24	23.4	4.0	66.9	110
PAG 444	10	23.5	3.5	61.6	101
Va 761	22	23.5	3.5	55.1	91
US 505	6	23.5	3.7	59.2	97
VPI 646	14	23.5	3.1	54.8	90
Va 126d	14	23.6	3.8	66.9	110
Funk G704	14	23.6	3.6	59.2	97
Va 733	8	23.7	3.8	63.3	104
Va 737	13	23.7	3.4	60.2	99
SS 903W	10	23.9	4.2	54.3	89
Wood V44	13	24.5	4.0	66.8	110
Pion 312A	11	25.4	3.7	57.2	94
US 523W	21	25.5	3.9	65.8	108
Va 738	12	25.5	3.7	56.6	93
Coker 15	22	26.4	3.8	55.0	90
US 262A	39	26.6	3.5	63.5	104
Pion 309A	7	27.0	3.6	61.0	100

(1) Quality Score = from 1 = very poor to 5 = very good.

(2) Check - average yield of VPI 426, VPI 646, VPI 648, VPI 653 = 60.85 bu/acre.



Orange Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check (2)	Ear Height (3)	Plant Height (4)	Shank Rating (5)	Husk Rating (5)
	%	%	%							
Pion 354	1	5	20.1	3.1	91.0	78	L	S	M	L
Pion 329	0	5	20.7	3.6	105.6	91	M	S	S	L
Va 310	0	6	21.4	3.9	105.8	91	ML	MS	S	L
Va 615	0	12	21.4	3.5	98.7	85	L	S	MS	S
Todd 617	0	4	21.6	3.4	92.9	80	L	S	M	L
Buchanan 630	0	9	21.7	3.9	110.7	95	M	M	L	L
Pion 301A	0	3	21.8	4.0	113.1	97	L	S	S	L
Pion 319	0	13	21.8	3.4	118.8	102	MH	M	L	L
Ohio 654	0	13	22.0	3.9	102.8	88	ML	S	MS	L
Ward 666	0	6	22.0	3.5	111.8	96	ML	MT	L	L
DeKalb 660	0	7	22.0	3.9	94.5	81	ML	MS	M	L
Va 634	0	11	22.0	3.8	95.9	82	M	M	S	L
Pion 317A	0	6	22.1	3.4	104.9	90	ML	S	ML	L
Va 712	0	4	22.4	3.4	102.8	88	M	M	MS	L
Funk G91	1	7	22.5	3.8	126.2	109	M	M	L	L
E. J. Funk 88E	0	14	22.5	3.8	111.3	96	M	M	S	L
Va 502t	0	4	22.8	4.1	108.9	94	M	MT	ML	L
Funk G76	0	13	22.9	4.3	101.7	87	M	MS	S	S
Ruff 320	0	2	22.9	4.5	121.7	105	MH	M	L	L
Va 502	0	7	23.1	3.4	92.0	79	ML	M	S	L
SS Pocahontas	0	4	23.1	4.1	105.4	91	M	MT	ML	L
Va 514C	0	7	23.1	4.0	104.3	90	M	M	MS	L
Funk G134	0	12	23.2	4.1	122.6	105	M	M	M	L
Pion 1363	0	4	23.2	4.0	125.0	107	ML	MS	S	L
VPI 426	0	5	23.2	3.7	113.1	97	ML	M	ML	L
Todd 630	0	3	23.2	3.7	105.7	91	MH	MT	ML	M
Pion 305	0	9	23.3	3.8	117.4	101	M	M	M	L
Va 613	2	8	23.3	4.1	105.4	91	M	M	ML	L
Funk G95A	0	10	23.3	3.1	106.7	92	ML	MS	MS	L
Ruff 188	0	3	23.3	4.0	104.7	90	ML	M	L	L
DeKalb 633	0	5	23.3	4.1	117.9	101	M	M	S	L
DeKalb 444	0	7	23.4	3.8	116.0	100	M	M	L	L
Park 400	0	6	23.4	3.4	101.7	87	L	MS	M	L
Wood V30	0	5	23.5	4.3	122.8	106	H	MT	MS	L
VPI 648	0	4	23.5	4.1	121.1	104	M	T	M	L

Orange Corn Test - 1958 (Cont'd)

E.J. Funk 840	0	5	23.5	3.1	97.3	84	ML	MS	S	L
DeKalb 803A	0	14	23.6	3.9	111.3	96	MH	MT	MS	L
Va 126C	0	13	23.7	3.8	109.6	94	L	MS	M	L
Muncy Chief 520	0	5	23.7	3.6	113.8	98	ML	MS	L	L
Todd 642	0	7	22.3	3.6	108.2	93	L	S	L	L
Wood V26Y	0	5	23.8	3.9	105.4	91	M	MT	L	L
Ruff 108	1	13	23.8	3.1	103.6	89	ML	ML	MS	M
VPI 653	0	7	23.9	4.5	121.9	105	H	T	MS	L
Nebr 501D	0	4	23.9	3.3	105.3	91	L	M	S	L
Muncy Chief 780	0	8	24.0	4.3	111.6	96	MH	MT	L	L
Buchanan 800	0	3	24.1	3.6	97.4	84	M	M	ML	S
Pion 312A	0	6	24.1	4.4	125.4	108	M	M	MS	S
DeKalb 640	0	4	24.1	4.4	103.4	89	M	M	L	L
Todd 645	0	7	24.1	3.6	110.4	95	MH	MT	M	L
Muncy Chief 398	0	22	24.1	3.0	104.3	90	MH	M	M	L
Todd 602	0	6	24.2	3.9	108.4	93	M	M	L	L
US 505	1	8	24.3	4.3	114.8	99	H	MT	M	L
DeKalb 630	0	9	24.4	3.8	109.9	94	M	MS	M	L
Wood V44	2	9	24.5	4.4	129.1	111	H	T	M	L
Kenworthy 50	0	3	24.6	3.5	112.8	97	L	M	L	L
Va 556	2	5	24.9	4.5	120.8	104	MH	MT	S	L
Va 642	0	5	24.9	3.4	101.5	87	ML	M	S	L
Va 741	0	11	25.2	4.1	116.9	101	M	M	M	S
VPI 646	0	6	26.0	3.9	108.9	94	MH	MT	L	L
Kenworthy 55	0	10	26.2	3.4	108.9	94	L	MS	MS	S
Va 733	0	11	26.6	4.1	98.4	85	ML	MS	S	L
Funk G144	0	7	27.0	4.4	114.4	98	ML	MS	L	L

Cooperator: G. D. Jones

Plot Size: 30' long, 3' between rows

- (1) Quality Score - from 1 = very poor to 5 = very good.
- (2) Check - average yield of VPI 426, VPI 646, VPI 648 and VPI 653 = 116.3 bu/acre.
- (3) Ear Height - L = low, M = medium, H = high
- (4) Plant Height - S = short, M = medium, T = tall.
- (5) Scored - S = short, M = medium, L = long

Emory Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check (2)
	%	%	%			
Pion 345	0	3	22.4	2.6	114.0	84
Nebr 501D	1	8	22.8	2.5	109.9	81
Pion 342A	1	6	23.4	3.6	113.3	83
DeKalb 414	2	5	24.1	3.5	108.6	80
DeKalb 640	0	1	24.3	4.5	152.9	113
Pion 354	1	3	24.7	2.9	118.1	87
Pa 711	3	4	24.9	3.4	124.3	91
Funk G50	0	3	24.9	4.5	109.9	81
Ward 666	1	2	25.1	3.9	128.4	94
Va 633	1	3	25.4	4.0	125.6	92
Funk G76	1	0	25.7	4.3	137.9	101
Va 716	1	3	25.9	3.5	139.3	103
Todd 602	1	1	25.9	4.4	130.4	96
Funk G75A	3	7	26.0	3.9	120.9	89
DeKalb 444	1	6	26.0	3.1	118.1	87
Pion 319	3	3	26.0	3.3	143.4	106
Funk G91	0	3	26.1	3.6	146.1	108
Va 514C	3	2	26.2	4.1	131.8	97
DeKalb 630	1	8	26.4	3.8	118.8	87
Ohio 164	0	0	26.6	3.9	127.0	93
Kenworthy 50	0	7	26.9	4.3	149.5	110
Va 634	0	7	27.1	4.1	127.7	94
Va 310	0	5	27.3	4.1	125.6	92
Pion 329	2	5	27.7	3.0	129.7	95
DeKalb 633	0	1	27.8	4.0	137.2	101
Pion 317A	0	3	27.8	3.3	129.0	95
Ohio C54	0	5	27.9	3.8	125.6	92
Funk G134	0	2	28.1	4.1	144.8	107
Kenworthy 55	3	3	28.1	4.1	139.3	103
US 13	3	1	28.4	3.0	127.0	93
Todd 642	0	7	28.5	4.0	121.5	89
Va 615	0	4	28.9	3.6	124.3	91
Va 491	1	3	29.0	3.0	111.3	82

## Emory Corn Test - 1958 (Cont'd)

VPI 426	1	2	29.1	4.0	132.5	97
Va 126C	0	1	29.2	4.0	143.4	106
Va 743	2	2	29.2	4.0	122.9	90
Funk G95A	0	3	29.5	3.1	126.3	93
Wood V30	0	4	29.5	4.0	146.8	108
Va 715	2	3	29.6	4.5	137.9	101
Va 642	2	3	29.7	4.0	133.8	98
Va 638	0	3	29.7	4.0	128.4	94
Funk G144	0	2	29.8	4.3	139.3	103
VPI 646	0	3	30.0	4.4	144.8	107
Buchanan 680	1	11	30.1	3.9	118.8	87
Pa 807	0	2	30.4	4.1	128.4	94
Ruff 320	1	3	30.5	3.8	136.6	101
Va 502	2	3	30.8	4.0	115.4	85
Muncy Chief H520	0	4	30.8	3.6	127.0	93
VPI 648	0	2	31.0	4.4	139.3	103
Wood V26Y	1	3	31.1	4.3	134.5	99
Park 400	2	1	31.3	3.9	127.7	94
Pion 1363	2	2	31.6	4.3	143.4	106
DeKalb 803A	0	5	31.6	4.5	127.0	93
Buchanan 800	3	2	31.7	3.8	111.3	82
DeKalb 660	2	8	31.8	3.9	114.7	84
Muncy Chief H398	1	3	31.8	3.5	132.5	97
Va 126d	1	0	32.1	4.4	159.8	118
Wood V44	1	2	32.1	5.0	152.3	112
US 505	2	3	32.4	4.6	152.3	112
Va 126t(a)	0	0	32.8	4.5	137.9	101
Ruff 108	2	4	32.9	3.9	129.0	95
SS Pocahontas	9	5	33.4	3.8	106.5	78
Ruff 188	1	3	33.8	4.4	127.7	94

Cooperator: F. S. McClaugherty

Plot Size: Single row plots 30' long, 3' wide.

(1) Quality Score - from 1 = very poor to 5 = very good.

(2) Check - average yield of Ohio W64, VPI 426, VPI 646, VPI 648 = 135.9 bu/acre.

Blacksburg Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check (2)
	%	%	%			
Funk G50	0	5	19.4	2.5	89.7	97
Pion 345	1	3	19.4	2.5	93.3	101
DeKalb 414	0	5	19.9	2.9	89.7	97
Nebr 501D	0	3	20.2	2.1	89.4	96
Pion 342A	0	8	20.4	2.4	83.8	90
Pion 354	4	6	20.8	2.6	90.1	97
Funk G75A	3	5	20.9	2.8	84.8	91
Todd 642	2	3	21.0	2.8	93.8	101
Va 310	0	3	21.1	3.0	96.2	104
Ohio W64	0	5	21.3	2.4	90.5	103
Va 743	0	1	21.3	2.9	91.1	98
Ohio C54	0	2	21.4	3.0	103.2	111
Va 715	0	3	21.8	2.5	96.1	104
Ward 666	4	6	21.8	2.4	89.7	97
Va 634	1	7	21.9	2.8	91.6	99
Va 126c	0	0	22.0	2.9	102.4	110
Funk G134	7	2	22.1	2.9	95.6	103
Va 638	0	7	22.1	2.6	93.9	101
Va 126d	0	3	22.4	3.0	89.3	96
Ruff 108	3	7	22.6	2.8	97.2	105
DeKalb 444	0	6	22.7	2.8	81.7	88
DeKalb 630	2	5	22.9	2.6	95.2	103
Va 633	1	5	22.9	3.8	94.4	102
Munchy Chief H398	0	20	22.9	2.5	95.4	103
Pa 711	9	5	23.0	2.9	87.3	94
Va 491	2	5	23.0	2.5	91.6	99
Park 400	5	9	23.0	2.4	89.3	96
Funk G95A	6	4	23.1	3.1	93.4	101
Va 502	6	2	23.1	2.9	97.2	105
US 13	2	5	23.2	2.8	100.0	108
SS Pocahontas	11	4	23.3	2.9	89.9	97
Pion 317A	2	2	23.3	3.3	92.3	100
Todd 602	3	4	23.3	2.9	90.0	97

Blacksburg, Corn Test - 1958 (Cont'd)

VPI 646	2	9	23.4	2.8	90.7	98
Va 716	3	4	23.4	2.4	84.8	91
Pion 319	3	5	23.4	2.6	86.6	93
VPI 426	1	3	23.5	3.3	90.1	97
Funk G144	1	6	23.5	3.3	90.1	97
Wood V44	1	2	23.5	2.9	98.8	107
Buchanan 680	3	4	23.6	3.0	91.8	99
DeKalb 633	0	7	23.7	2.9	90.9	98
Buchanan 800	8	8	23.7	2.6	97.2	105
Pion 329	3	3	23.9	2.8	84.9	92
Pa 807	2	5	23.9	3.4	98.8	107
Va 514C	7	3	24.0	2.8	84.9	92
Kenworthy 55	0	3	24.0	2.6	92.6	100
Pion 1363	0	5	24.1	2.5	99.4	107
VPI 648	2	3	24.2	2.8	95.0	103
Funk G76	1	9	24.2	2.6	80.4	87
Va 642	0	3	24.5	2.9	88.1	95
Wood V26Y	1	3	24.6	2.8	91.9	99
US 505	6	6	24.6	2.8	91.6	99
DeKalb 660	1	7	24.7	2.4	92.7	100
Va 126t(a)	0	1	24.8	3.4	101.9	110
Kenworthy 50	1	3	24.3	2.5	91.8	99
DeKalb 640	0	0	25.0	3.0	93.4	101
Muncy Chief H-520	2	5	25.1	2.5	84.9	92
Ruff 188	0	0	25.2	2.9	87.5	94
Ruff 320	0	1	25.3	2.9	88.7	96
VA 615	0	0	25.7	2.9	88.5	95
Funk G91	1	5	25.8	3.0	96.3	104
Wood V30	1	4	26.7	3.0	98.7	106

Date Planted: May 12, 1958

Date Harvested: Oct. 7, 1958

- (1) Quality Score - from 1 = very poor to 5 = very good.  
 (2) Check - average yield of Ohio W64, VPI 426, VPI 646 and VPI 648 = 92.7 bu/acre.

Summary West of Blue Ridge Corn Tests - 1958

Variety	Lodged & Broken	Moisture at Harvest	Quality Score (1)	Bushels per Acre	Percent of Check (2)
	%	%			
Pion 345	4	20.9	2.6	103.7	91
Nebraska 501D	6	21.5	2.3	99.7	88
Pion 342A	8	21.9	3.0	98.6	87
DeKalb 414	6	22.0	3.2	99.2	87
Funk G50	4	22.2	3.5	99.8	88
Pion 354	7	22.8	2.8	104.1	92
Funk G75A	9	23.5	3.4	102.9	90
Ward 666	7	23.5	3.2	109.1	96
Ohio W64	3	24.0	3.2	108.8	96
Pa 711	11	24.0	3.2	105.8	93
Va 310	4	24.2	3.6	110.9	97
Va 633	5	24.2	3.9	110.0	97
DeKalb 444	7	24.4	3.0	99.9	88
Va 634	8	24.5	3.5	109.7	96
Todd 602	5	24.6	3.7	110.2	97
Ohio C54	4	24.7	3.4	114.4	101
DeKalb 630	8	24.7	3.2	107.0	94
Va 716	6	24.7	3.0	112.1	99
Pion 319	7	24.7	3.0	115.0	101
DeKalb 640	1	24.7	3.8	123.2	108
Todd 642	6	24.8	3.4	107.7	95
Funk G76	6	25.0	3.5	109.2	96
Funk G134	6	25.1	3.5	120.2	106
Va 514C	8	25.1	3.5	108.4	95
Va 743	3	25.3	3.5	107.0	94
Va 126C	1	25.6	3.5	122.9	108
Pion 317A	4	25.6	3.3	110.7	97
Kenworthy 50	6	25.6	3.4	115.7	102
Va 715	4	25.7	3.5	117.0	103
US 13	6	25.8	2.9	113.5	100
DeKalb 633	4	25.8	3.5	114.1	100
Pion 329	7	25.8	2.9	107.3	94

Summary West of Blue Ridge - 1958 (Cont'd)

Va 638	5	25.9	3.3	111.2	98
Va 491	6	26.0	2.8	101.5	89
Funk G91	5	26.0	3.3	121.2	107
Kenworthy 55	10	26.1	3.4	116.0	102
Funk G95A	7	26.3	3.1	109.7	96
VPI 426	4	26.3	3.7	111.3	98
VPI 646	7	26.7	3.6	117.8	104
Funk G144	10	26.7	3.8	114.7	101
Buchanan 680	10	26.9	3.5	105.3	93
Va 502	7	27.0	3.5	106.3	93
Va 642	4	27.1	3.5	111.0	98
Park 400	9	27.2	3.2	108.5	95
Pa 807	10	27.2	3.8	113.6	100
Va 126d	2	27.3	3.7	124.6	110
Va 615	2	27.3	3.3	106.4	94
Muncy Chief H398	12	27.4	3.0	114.0	100
VPI 648	4	27.6	3.6	117.2	103
Buchanan 800	11	27.7	3.2	109.3	96
Ruff 108	8	27.8	3.9	113.1	99
Wood V44	3	27.8	4.0	125.6	110
Pion 1363	5	27.9	3.4	121.4	107
Wood V26Y	4	27.9	3.6	113.2	100
Ruff 320	3	27.9	3.4	112.7	99
Muncy Chief H520	6	28.0	3.1	106.0	93
Wood V30	5	28.1	3.5	122.8	108
DeKalb 660	9	28.3	3.2	103.7	91
SS Pocahontas	14	28.4	3.4	98.2	86
US 505	9	28.5	3.7	122.0	107
Va 126t(a)	1	28.8	4.0	119.9	105
Ruff 188	2	29.5	3.7	107.6	95

(1) Quality Score - from 1 = very poor to 5 = very good.

(2) Check - average yield of Ohio W64, VPI 426, VPI 646 and VPI 653 = 113.8 bu/acre.



Floyd Corn Test - 1958

Variety	Plants Lodged %	Plants Broken %	Moisture at Harvest %	Quality Score (1)	Bushels per Acre	Percent of Check (2)
Pion 342A	2	6	24.0	3.0	131.1	94
Ohio 164	1	2	24.2	3.5	122.1	95
Park 400	0	1	24.5	3.0	138.6	108
N.J. 8	0	4	25.2	3.6	137.0	106
Va 502	0	1	25.3	3.6	140.8	109
Pa 807	0	2	25.6	3.5	136.0	106
Funk G91	1	7	26.1	3.1	145.0	112
Pion 354	0	5	26.5	3.5	115.5	90
Pion 338A	0	7	27.1	3.6	131.1	102
DeKalb 444	0	8	27.3	3.0	116.9	91
Moore O.P.	9	13	27.4	3.0	121.8	94
Pion 301A	1	4	27.4	3.8	132.8	103
VPI 426	0	0	27.5	3.3	125.8	98
SS Pocahontas	0	8	27.5	2.9	125.2	97
Ruff 108	0	8	27.5	3.1	137.9	107
Funk G76	0	4	27.9	3.1	120.3	93
Pion 329	0	0	28.1	3.4	119.6	93
VPI 646	1	1	28.1	3.3	122.8	95
VPI 648	0	3	28.8	3.9	145.1	113
Funk G134	1	5	29.0	3.0	134.9	105
Wood V26Y	1	2	29.0	3.4	134.6	104
DeKalb 660	0	1	30.8	3.4	125.3	97
Kenworthy 55	0	5	31.5	3.3	128.6	100

John Dickerson &

Cooperator: E. M. Talley

Date Planted: May 12, 1958

Size of Plot: 30' long, 3.3' between rows

Date Harvested: Oct. 10, 1958

(1) Quality Score - from 1 = very poor to 5 = very good.

(2) Check - average yields of Ohio 164, VPI 426, VPI 646 and VPI 648 = 128.95 bu/acre.

Carroll County Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Bushels per Acre	Percent of Check (1)
	%	%	%		
DeKalb 444	3	19	18.7	116.5	82
SS Pocahontas	6	25	19.9	127.2	90
Pion 354	5	15	20.5	129.5	91
VPI 426	0	10	20.6	134.6	95
Va 762	2	18	20.6	128.5	90
Funk 676	0	26	20.9	137.5	97
Pion 338A	3	29	21.0	135.6	95
Pion 342A	10	34	21.1	125.0	88
Funk 691	9	24	21.1	140.0	99
Golden Queen OP	15	25	21.7	135.0	95
Pion 329	4	10	21.8	125.3	88
Ohio 164	5	16	22.2	122.2	86
Va 502	2	19	22.2	136.4	96
US 13	2	22	22.2	143.7	101
Muncy Chief H520	0	24	22.5	148.0	104
Turner Y.D.-OP	12	23	22.5	134.1	94
Funk G134	0	18	22.9	142.0	100
Park 400	2	24	22.9	131.8	93
Wood V26Y	1	14	23.2	146.3	103
VPI 648	5	12	23.3	152.3	107
SS Cherokee	1	14	23.7	139.6	98
VPI 646	2	11	23.7	158.8	112
Va 64ta	0	9	24.2	137.4	97
SS Catawba	1	8	24.2	156.4	110
Ruff	3	10	24.5	133.9	94

Note: Quality of grain of all varieties was very high.

Cooperators: Turner, Turner and Price

Date of Planting: May 12, 1958 Date of Harvest: Oct. 20, 1958

(1) Check = average yield of Ohio 164, VPI 426, VPI 646 and VPI 648 = 142 bu/acre.

Size of Plot: Single row 30' long, 38" wide.

Dryden Corn Test - 1958

Variety	Plants Lodged	Plants Broken	Moisture at Harvest	Bushels Per Acre	Quality Score (1)	Percent of Check
	%	%	%			
Funk G91	21	21	15.2	133.8	4.3	116
Pion 329	22	16	15.2	116.8	4.1	101
Ruff 108	24	43	15.5	106.3	4.3	92
Funk G76	12	12	16.0	126.6	4.8	109
SS Pocahontas	34	8	16.0	116.7	4.1	101
DeKalb 660	33	19	16.1	105.2	4.1	91
Pion 342A	48	44	16.3	87.6	3.5	76
Wood V26Y	60	22	16.4	112.4	4.4	97
Ohio W64	48	38	16.7	96.6	3.8	84
Funk G134	19	22	16.8	132.9	4.3	115
Broadbent 402B	27	14	17.0	135.1	4.5	117
Pion 354	29	15	17.5	113.5	3.5	98
Pion 301A	18	9	17.6	122.0	4.0	105
Ohio C54	25	15	17.8	117.8	4.1	102
VPI 648	23	12	17.8	137.5	4.6	119
Va 126T	36	11	17.8	121.2	4.4	105
VPI 426	33	17	18.1	97.8	4.1	85
DeKalb 630	43	35	18.1	110.6	4.3	96
Broadbent 402A	21	26	18.1	114.0	4.0	99
Broadbent 235A	47	11	18.9	139.3	4.3	120
VPI 653	39	10	19.2	132.5	4.6	115
Va 502	47	24	19.5	89.0	4.0	77
VPI 646	37	4	20.3	130.9	4.4	113
Park 400	26	10	20.9	106.7	3.6	92

Cooperator: C. H. Coomer and J. P. Lyle  
 Size of Plot: 30' long, 3' between rows.

(1) Quality Score = from 1 = very poor to 5 = very good.

(2) Check = average of VPI 426, Ohio W64, VPI 646 and VPI 648 = 115.7 bu/acre.

Burke's Garden Corn Test - 1958

Variety	Plants Lodged %	Plants Broken %	Moisture at Harvest %	Quality Score (1)	Bushels per Acre	Percent of Check (2)
Michigan 250	2	10	18.6	3.3	103.8	108
Cornell ME310	2	23	18.7	2.5	97.1	101
Wisc. 355A	0	26	19.2	3.0	94.8	99
Michigan 300	2	4	19.3	3.5	104.8	109
Minn 612	1	4	19.6	3.8	102.6	107
Wisc 463	2	2	19.7	3.4	115.9	121
Minn 707	3	36	21.1	3.1	90.9	95
Minn 611	2	19	21.2	3.3	97.0	101
AES 203	0	23	21.3	3.4	88.9	93
Cornell M4	1	8	21.3	3.4	100.5	105
Wisc 355	1	10	21.4	3.0	86.2	90
Pion 371	0	4	21.5	3.1	136.7	142
Wisc 335	1	41	21.6	3.5	91.5	95
Pa 333	0	27	21.8	3.1	91.2	95
Mich Expt 53-15-6	0	7	21.9	3.0	115.9	121
Pa 444	2	14	22.2	3.5	105.8	110
Wisc 530	1	7	22.3	2.5	127.3	133
Wisc 335A	0	20	22.5	3.4	95.7	100
Pion 372	1	20	22.8	3.4	113.7	118
Wisc 465	2	8	22.9	3.6	114.0	119
Minn 513	0	14	23.0	3.5	106.7	111
Minn 412	1	17	23.7	3.4	116.6	121
Wisc 575	0	5	24.6	3.6	119.4	124

Cooperator: Joe Moss and Jim McDonald

- (1) Quality Score - from 1 = very poor to 5 = very good.  
 (2) Check = average yield of Wisc 355 and Pa 444 = 96.0 bu/acre.

Holland Early Corn Test - 1958

Variety	Moisture at Harvest %	Quality Score <sup>(1)</sup>	Bushels per Acre	Percent <sup>(2)</sup> of Check	Ear <sup>(3)</sup> Height (Score)	Husk <sup>(4)</sup> Rating (Score)	Shank <sup>(4)</sup> Rating (Score)	Leaf <sup>(5)</sup> Blight (Score)
Pion 342A	21.3	3.0	90.1	90	3.3	3.0	2.5	0.8
Funk G75A	22.1	3.3	104.3	105	2.0	3.0	3.0	0.5
Va 633	22.2	3.8	105.2	106	2.8	2.8	2.8	0.6
Pion 354	22.4	3.0	104.7	105	3.2	2.8	3.0	0.5
Pion 329	22.5	3.1	106.7	107	3.3	3.0	2.8	0.5
Va 613	23.0	3.4	102.3	103	2.8	3.0	3.3	0.8
Park 400	23.1	3.9	117.3	118	1.5	3.3	2.8	0.5
Funk G50	23.2	3.1	104.1	105	2.8	3.0	2.8	0.8
Va 712	23.2	2.9	94.9	95	2.3	3.3	2.8	0.6
Va 310	23.3	3.4	128.7	129	2.8	3.0	2.0	0.6
Funk G76	23.4	3.9	105.8	106	3.0	3.3	2.8	0.8
SS Pocahontas	23.5	3.4	107.4	108	3.2	3.0	3.5	0.5
Todd 635	23.7	3.4	109.6	110	3.8	3.2	2.3	0.6
Todd 602	23.7	3.5	111.2	112	3.0	3.0	2.5	0.5
Todd 620B	23.9	3.0	105.8	106	2.8	3.0	2.5	0.5
DeKalb 630	23.9	3.5	103.3	104	2.5	3.0	2.8	0.5
Va 615	24.0	3.1	99.6	100	2.5	3.0	2.8	0.5
Wood V26Y	24.0	3.0	115.6	116	3.0	3.8	2.8	0.5
Va 634	24.2	3.0	91.0	91	3.0	3.0	2.3	0.6
VPI 426	24.3	3.0	93.2	94	2.5	3.0	2.5	0.5
Va 126c	24.3	3.4	103.2	104	2.0	2.8	2.2	0.5
Ohio C54	24.3	3.0	98.3	99	2.8	3.0	2.3	0.5
Ruff 108	24.3	3.1	116.6	117	3.8	2.8	2.5	0.9
DeKalb 660	24.5	3.5	117.8	118	2.0	3.0	2.3	0.5
Va 126t(c)	25.1	3.3	97.6	98	2.8	3.0	2.3	0.5

Cooperator: M. W. Alexander Date Planted: May 23 & 24, 1958 Date Harvested: Sept 15, 1958

Size of Plot: Single row 30' long - 36' between rows.

Fertilizer: 1000 #/A 5-10-10 (700 # broadcast - 300# at planting)

80#/A Liquid N sidedressing.

- (1) Quality Score - from 1 = very poor to 5 = very good.
- (2) Check - average yield of VPI 426, Ohio C54 and SS Pocahontas = 99.6 bu/acre.
- (3) Ear Height - 1 = low to 5 = high. (4) Husk & Shank Score - 1 = short to 5 = long.
- (5) Leaf Blight - 0 = no blight to 5 = completely blighted.