

Table 29. Annual Summary, Normal Population, All Non-Virus Locations.

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
Dekalb XL45A	111.9	12.5	0.3	7.0	88.2
P.A.G. SX53	121.9	13.0	0.0	6.9	90.3
Funk's G4333	108.0	14.3	0.3	10.7	87.1
P.A.G. SX31	108.1	14.4	0.0	8.4	84.8
Trojan M-114	123.5	14.7	0.6	9.5	90.8
P.A.G. 399	116.6	14.9	0.3	12.2	88.1
Dekalb XL45	106.3	15.0	0.4	8.0	84.1
S. S. 720	122.1	15.1	0.4	10.6	93.9
Pioneer 3516	130.6	15.1	0.0	9.4	93.2
Pioneer 3564	106.5	15.1	0.1	11.3	89.0
Stew. Card. Exp SX85	105.9	15.2	0.1	20.5	87.8
P.A.G. SX29	126.0	15.2	0.1	8.6	87.8
Princeton SX803	122.7	15.3	0.0	10.5	88.4
Trojan Exp. 2650	134.4	15.4	0.8	4.9	91.8
Schenk's SS-77A	109.0	15.5	0.3	9.0	85.6
Stull's 727SX	129.6	15.6	0.3	8.8	92.0
Stew. Card. SX47	123.1	15.6	2.0	10.2	88.7
S. S. 820S	127.4	15.8	1.1	10.4	90.9
Dekalb XL82	118.9	15.8	0.0	10.6	80.8
S. S. 750	129.2	15.9	0.0	10.1	91.2
G. Ac. Cashmaker	121.1	15.9	0.0	6.3	92.0
S. S. 865	123.5	16.1	0.9	12.7	92.6
P.A.G. 437	118.6	16.1	0.4	17.2	90.2
Pioneer 3196	132.3	16.2	0.0	6.8	89.7
Funk's G4595	118.7	16.2	0.8	7.2	88.2
Pioneer 3306	137.9	16.3	0.0	12.7	90.9
Migro M-750	125.3	16.3	1.5	12.0	87.6
Meacham's MX-10Y	123.4	16.3	0.9	8.0	93.7
Pioneer 3369A	151.6	16.4	0.4	7.4	92.1
Migro M-44-SX	120.6	16.4	0.6	6.0	90.8
Dekalb XL66	125.5	16.4	0.1	15.8	89.6
Pioneer 3308	141.0	16.5	0.0	8.0	92.6
Trojan C. F. 66	128.0	16.6	0.1	7.5	87.2
Ky. 105	119.3	16.6	1.3	10.1	93.9
Trojan C. F. 105	125.5	16.7	0.0	6.2	93.6

Table 29. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Excel E-71X	123.5	16.7	0.7	11.6	87.8
Princeton SX804	125.4	16.7	1.5	10.3	84.4
S. S. 860	123.6	16.8	1.1	11.9	91.2
G. Ac. E-20-Y-A	121.3	17.0	0.3	11.0	85.6
Funk's G4697	117.3	17.1	0.5	9.0	81.0
Schenk's SS-75A	129.1	17.3	0.3	10.9	91.1
Stull's 720SX	131.5	17.3	0.4	8.4	92.1
G. Ac. Exp. 6916	152.0	17.3	0.0	5.3	94.5
Stull's 807A SX	123.8	17.7	0.5	6.7	84.1
Funk's G5757	139.6	18.1	1.1	5.3	88.8
Funk's G4761	128.0	18.2	0.4	3.7	92.1
Meacham's MX-15Y	126.2	18.5	0.0	5.2	83.2
P.A.G. SX99	126.8	18.8	1.4	10.1	88.8
Dekalb XL85	136.9	18.8	0.0	16.5	93.5
Yellow Average	124.5	16.1	0.5	9.6	89.3
White					
Stull's 500W	122.9	16.7	0.8	16.1	91.7
Schenk's S-96W	124.6	17.1	0.3	9.2	93.9
S. S. 935W	131.5	17.3	0.7	10.0	90.3
W. O. King K-60	129.1	17.5	1.7	11.3	89.7
Ky. 5921W	124.5	17.5	1.2	7.9	88.1
G. Ac. M-20-W	125.1	17.5	0.8	8.8	88.8
Princeton 990B	132.5	18.2	1.1	11.3	90.5
Meacham's MX-50W	116.8	18.6	1.4	9.6	87.5
Princeton 920A	131.1	18.8	0.9	9.0	92.0
Stull's 800W	126.0	18.9	0.5	12.1	88.5
Dekalb XL390W	126.8	19.3	2.4	12.0	91.8
P.A.G. SX80W	126.6	19.5	0.6	11.0	87.5
Funk's G5830W	105.4	19.7	0.8	8.7	81.7
Pioneer 511A	129.4	19.9	1.2	11.8	89.9
Funk's 23441W	124.9	22.7	1.5	7.6	89.3
White Average	125.1	18.6	1.1	10.5	89.4
Grand Average	124.8	17.4	0.8	10.0	89.4

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15M--1-70

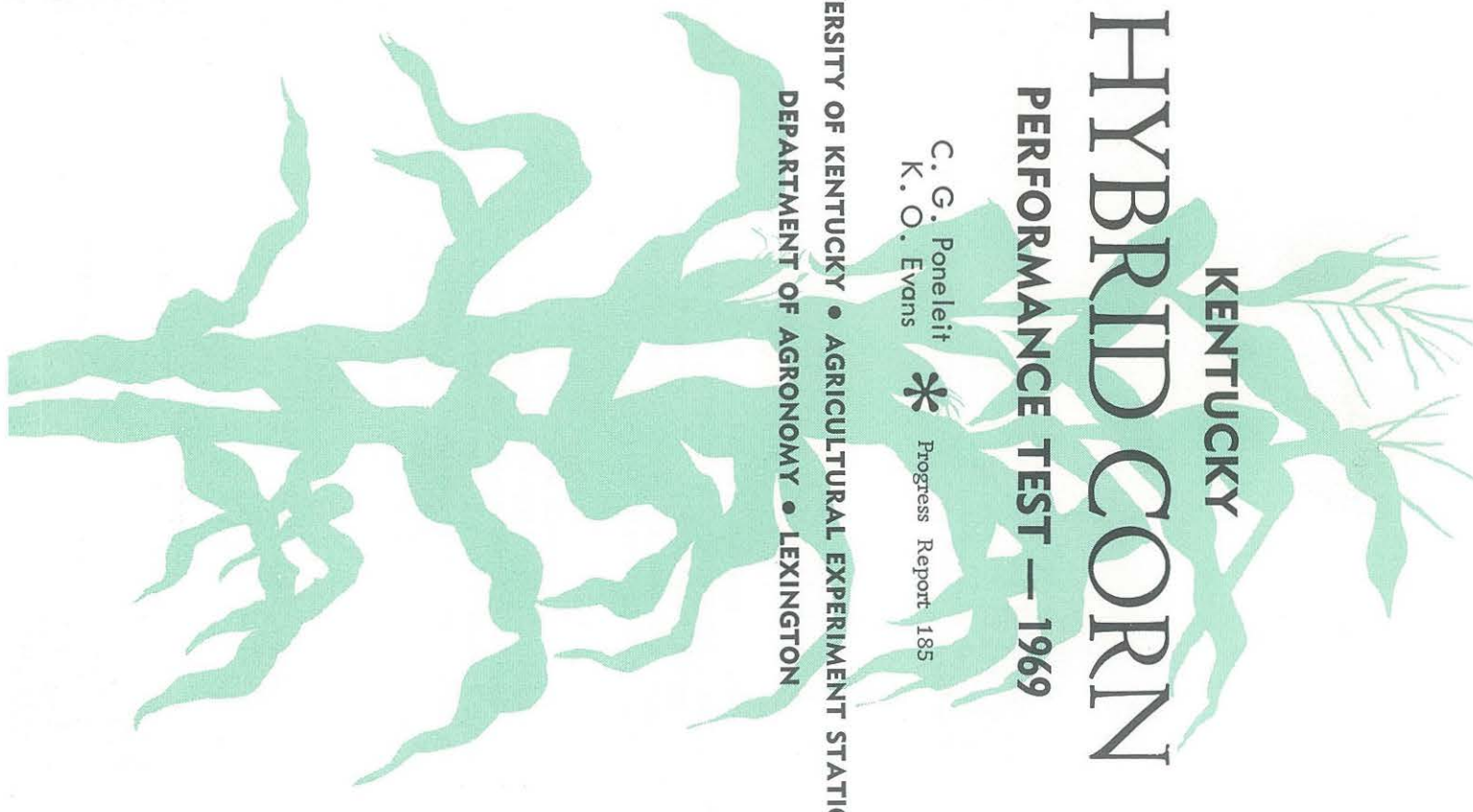
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K. O. Evans

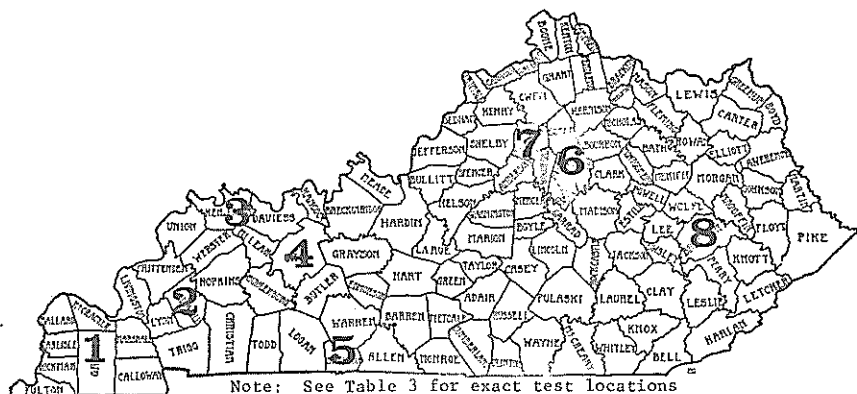


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KENTUCKY HYBRID CORN PERFORMANCE TEST — 1969



TESTING LOCATIONS OF THE 1969
KENTUCKY HYBRID CORN PERFORMANCE TRIALS



ACKNOWLEDGMENTS

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- John Kavanaugh, Area Extension Agent, Hartford, Ky.
- Clifton Taylor, Area Extension Agent, Franklin, Ky.
- George Armstrong, Station Superintendent, Quicksand, Ky.

Table 28. Maize Dwarf Mosaic Virus Test, Normal Population, Frankfort, Kentucky.

Variety Name	Yield Bu/A	Avg % Moist	% Stalk Lodged	Avg % Stand	M.D.M. Rating		
					1969	1968	1967
Yellow							
Funk's 23413	95.1	19.8	18.7	65.6	2.0		
Pioneer 3188	47.2	16.2	8.8	75.0	3.0		
Dekalb 1006	75.7	22.9	15.7	66.7	3.3		
G. Ac. VR-20Y	85.3	17.6	6.1	78.1	3.7	5.2	3.0
Ky. 105	39.6	17.6	38.8	67.7	3.7	4.2	1.2
Princeton 875M	47.4	17.7	10.9	68.7	4.0		
Trojan C. F. Exp. 2709	56.3	18.6	6.3	78.1	4.0		
Excel E-944	56.6	20.2	7.8	65.6	4.0		
P.A.G. SX-17	45.1	16.2	12.1	53.1	4.3		
Stull's 307Y	64.4	17.4	7.1	71.9	4.3		
Funk's G4761	80.4	19.4	5.9	70.8	4.3	3.0	
Stull's Exp. 1808	47.6	16.1	13.4	78.1	4.7		
P.A.G. 439	48.2	19.1	9.5	67.7	4.7		
Schenk's SS-75A	38.0	16.9	7.0	60.4	5.0	6.2	
Pioneer 3191	40.9	17.9	12.8	65.6	5.3		
Funk's G5757	46.3	19.1	21.7	54.2	5.3	4.2	
S. S. 866	47.3	20.9	9.7	75.0	5.3	4.0	1.7
Stull's 807A SX	24.8	17.1	23.7	59.4	5.7		
Pioneer 3369A	36.3	16.7	23.5	74.0	6.0	5.2	
S. S. 865	37.8	17.4	18.4	72.9	6.0		
Schenk's SS-88A	48.9	18.5	11.9	69.8	6.0		
Stull's 720SX	29.0	16.2	24.2	64.6	6.3	5.3	
Excel E-8244	18.9	17.8	51.3	65.6	6.3		
S. S. 720	26.0	16.3	40.4	63.5	7.0	6.5	
Excel E-71X	24.2	16.6	38.4	53.1	7.0		
Trojan C. F. 116	23.1	19.1	17.3	67.7	7.0		
S. S. 750	30.6	16.2	36.1	63.5	7.3		
Yellow Average	46.7	18.0	18.4	67.3	5.0	4.7	2.0
White							
G. Ac. VR-20W	80.4	22.5	5.8	66.7	3.0		
Pioneer 511A	65.5	20.5	11.7	65.6	4.0	3.8	
Schenk's S-96W	51.3	19.1	3.2	74.0	4.3	4.8	2.5
Meacham's MX-75W	67.3	19.6	8.1	72.9	4.7	4.7	3.6
Dekalb 999W	69.2	20.0	9.0	79.2	4.7	4.3	
Ky. 5921W	65.1	18.7	12.7	67.7	5.0	4.3	3.0
S. S. 935W	51.2	20.4	6.2	67.7	5.3	4.5	3.4
Stull's 500W	50.9	18.0	19.9	78.1	6.7	4.3	
Stull's 400W	40.6	20.3	20.3	66.7	7.0		
White Average	60.2	19.9	10.8	70.9	5.0	4.4	3.3
Grand Average	53.4	19.0	14.6	69.1	5.0	4.6	2.6

Table 27. Annual Summary, High Population, Princeton and Lexington, Kentucky

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	106.3	14.2	2.5	18.4	76.6
Funk's G4333	106.4	15.0	0.0	16.1	87.2
Dekalb XL45A	105.1	15.1	0.3	24.7	87.8
Dekalb XL45	99.9	15.1	0.6	17.3	84.1
Pioneer 3564	104.2	15.3	0.6	23.5	88.5
S. S. 720	110.6	15.4	5.8	25.5	90.9
Trojan M-114	96.2	15.5	0.0	30.5	90.1
Trojan Exp. 2650	120.6	15.6	0.8	16.2	80.7
P.A.G. 437	90.4	15.6	0.5	26.4	85.7
P.A.G. 399	117.5	15.7	0.3	22.1	90.4
Pioneer 3516	106.4	15.7	2.5	21.4	88.8
Stull's 727SX	133.2	15.9	0.8	15.0	82.8
Stew. Card. Exp SX85	87.5	16.0	0.0	57.7	82.0
P.A.G. SX53	104.9	16.1	0.0	22.7	87.2
G. Ac. Cashmaker	104.4	16.1	2.2	28.4	94.3
Schenk's SS-77A	108.3	16.2	0.5	23.9	85.9
P.A.G. SX29	109.5	16.3	0.0	15.3	80.7
S. S. 820S	97.2	16.4	0.6	18.1	84.4
Stew. Card. SX47	104.0	16.4	0.5	25.2	88.5
Migro M-44-SX	112.2	16.5	0.8	28.5	88.3
S. S. 750	110.9	16.5	0.0	24.3	89.8
Funk's G4595	106.7	16.5	2.3	15.6	82.6
Pioneer 3369A	130.4	16.7	0.0	26.9	83.1
Migro M-750	109.5	16.7	1.1	23.1	84.1
S. S. 860	107.9	16.7	4.1	25.8	85.9
Pioneer 3308	125.1	16.9	0.0	23.7	86.7
Pioneer 3306	113.3	17.0	2.9	35.7	84.4
Funk's G4697	105.8	17.2	1.0	16.6	75.8
Meacham's MX-10Y	112.3	17.2	1.4	21.1	87.8
Dekalb XL82	110.7	17.3	2.4	28.9	82.6
G. Ac. E-20-Y-A	108.6	17.5	0.0	26.7	80.2
Trojan C. F. 66	99.9	17.5	0.0	17.4	83.9
Pioneer 3196	121.8	17.6	0.2	32.7	89.1
Excel E-71X	105.7	17.6	1.2	22.5	79.4
S. S. 865	108.2	17.8	6.9	22.6	81.0

Table 27. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
Schenk's SS-75A	107.0	17.9	1.0	18.9	88.0
Princeton SX804	99.6	17.9	2.9	21.8	83.3
Stull's 720SX	125.4	18.0	3.3	30.4	87.8
Princeton SX803	108.6	18.1	0.6	9.3	76.8
G. Ac. Exp. 6916	127.0	18.3	0.0	26.2	88.0
Trojan C. F. 105	105.2	18.4	0.0	26.0	85.7
Dekalb XL66	102.0	18.4	0.8	37.1	83.3
Stull's 807A SX	121.9	18.5	2.5	23.9	81.8
Dekalb XL85	115.9	18.7	3.4	28.6	84.9
Ky. 105	106.1	18.8	11.3	22.1	91.4
Funk's G4761	123.0	19.2	3.1	16.7	86.5
Funk's G5757	118.7	19.4	3.2	11.5	84.4
P.A.G. SX99	128.2	19.5	1.0	19.8	86.7
Meacham's MX-15Y	111.6	19.7	0.0	16.3	81.0
Yellow Average	110.2	17.0	1.6	23.5	85.1
White					
Stull's 500W	103.6	18.1	7.5	35.4	87.2
Ky. 5921W	117.9	18.5	2.5	20.1	78.9
G. Ac. M-20-W	108.6	18.8	1.2	21.0	83.1
S. S. 935W	109.9	19.0	7.0	26.7	87.8
Schenk's S-96W	119.0	19.1	1.1	28.4	91.1
W. O. King K-60	121.6	19.3	3.7	30.5	83.1
Meacham's MX-50W	120.6	19.7	4.6	19.9	82.3
Princeton 990B	109.2	20.1	5.0	33.9	82.0
Pioneer 511A	114.9	20.9	3.3	25.8	79.9
Princeton 920A	106.5	20.9	5.9	28.6	85.9
P.A.G. SX80W	104.5	21.0	0.6	20.8	81.5
Dekalb XL390W	100.4	21.1	4.1	23.5	87.8
Stull's 800W	113.6	21.5	6.7	16.0	84.1
Funk's G5830W	95.0	21.9	0.6	23.8	75.0
Funk's 23441W	103.1	24.1	9.5	7.6	91.1
White Average	109.9	20.3	4.3	24.2	84.1
Grand Average	110.0	18.6	2.9	23.8	84.6

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27. Annual Summary, High Population, Princeton and Lexington, Ky.
28. Maize Dwarf Mosaic Virus Test, Normal Population, Frankfort, Ky.
29. Annual Summary, Normal Population, All Non-Virus Locations.

KENTUCKY HYBRID CORN

PERFORMANCE TEST IN 1969

C. G. Poneleit and K. O. Evans

INTRODUCTION

The objective of the Kentucky Corn Performance Test is to provide unbiased performance estimates of hybrid seed corn sold in Kentucky. This information, hopefully, will aid farmers as they select hybrids for use in the following season.

The changes initiated in 1968 were continued in 1969. However, modifications were made on the equipment to speed up the planting and harvesting procedures. Details of the procedures used in 1969 are provided in following sections of the text.

TESTING PROCEDURE

Selection of Hybrids

Ky 105 and Ky 5921W (Table 1) were included as check varieties. The commercial hybrids shown in Table 2 were selected from those being marketed in Kentucky. An asterisk (*) identifies new hybrids and experimental hybrids. These may or may not be available for seeding in 1970. The hybrids included in the test were recommended by independent groups: (1) a committee of farmers with broad interests throughout the state and (2) the hybrid corn companies. The final selection of entries was made by the test personnel and the state grains specialist. Seed was obtained from dealers and processors throughout the state.

Location of Tests

The 1969 test locations were identical to the 1968 test locations except that the Lexington test was moved from the University of Kentucky South Farm to the University of Kentucky Spindletop Farm. Each location sampled a different soil and climatic area of the state. The map on page 2 shows the location, and Table 3 shows pertinent agronomic information for each test. The Lexington and Princeton locations had both a normal and high population test, while the other test sites had only the normal population.

The Frankfort test site was specifically chosen for the presence of maize dwarf mosaic virus. The hybrid corn companies were asked to nominate only those hybrids that were known to have virus resistance. This was done to eliminate known virus susceptible hybrids that would only increase the size of the test and add little new information.

Table 26. Three-Year Summary, High Population, Lexington, Kentucky (1967-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
Stew. Card. SX47	113.3	19.1	16.6	14.1	95.5
Schenk's SS-77A	105.0	19.4	13.3	18.0	94.2
S. S. 820S	92.0	19.4	35.7	8.1	93.2
Pioneer 3306	118.9	19.9	11.6	8.3	88.2
S. S. 860	94.0	19.9	32.2	13.6	92.5
G. Ac. E-20-Y-A	96.0	20.0	18.7	16.4	82.8
Princeton SX803	115.1	20.1	1.7	13.2	89.6
Stull's 807A SX	104.9	20.4	17.4	11.5	88.9
Pioneer 3196	119.4	20.5	1.6	12.3	93.2
Trojan C. F. 105	121.2	20.6	15.7	11.2	94.1
Trojan C. F. 66	103.1	21.1	21.8	8.4	93.3
Princeton SX804	98.1	21.1	23.0	19.5	92.0
Ky. 105	86.7	21.2	17.5	15.5	88.6
<u>Yellow Average</u>	105.2	20.2	17.4	13.1	91.2
<u>White</u>					
Ky. 5921W	95.1	21.5	23.4	13.4	85.5
G. Ac. M-20-W	99.0	21.7	27.4	19.0	90.6
Schenk's S-96W	96.0	21.8	16.4	13.9	92.9
S. S. 935W	94.7	22.0	30.2	17.3	93.4
Princeton 920A	90.6	23.1	26.4	18.3	89.0
Stull's 800W	90.6	23.5	25.6	9.3	78.0
<u>White Average</u>	94.3	22.3	24.9	15.2	88.2
<u>Grand Average</u>	99.8	21.2	21.2	14.2	89.7

Table 25. Two-Year Summary, High Population, Lexington, Ky. (1968-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	105.1	15.2	13.5	20.3	85.4
Pioneer 3564	92.3	16.9	3.9	22.3	87.0
Dekalb XL45	93.2	17.2	5.2	22.1	89.1
P.A.G. SX29	98.8	17.3	6.6	21.6	87.0
S. S. 720	94.3	17.4	28.2	23.0	94.0
Stull's 727SX	112.9	17.6	4.5	18.4	82.3
Pioneer 3369A	130.2	17.7	0.0	17.2	88.8
Schenk's SS-77A	87.2	17.9	15.4	26.3	90.6
Funk's G4595	94.4	18.0	29.4	16.8	87.2
Stew. Card. SX47	101.3	18.0	14.2	21.5	93.5
S. S. 820S	78.1	18.2	32.5	13.1	90.4
Pioneer 3308	95.3	18.2	8.4	16.6	88.0
S. S. 860	87.0	18.3	34.1	18.8	88.5
Princeton SX803	111.8	18.3	1.8	14.7	86.5
Pioneer 3306	118.6	18.7	7.0	11.1	85.2
G. Ac. E-20-Y-A	91.2	18.8	10.8	23.5	84.9
Dekalb XL66	103.6	18.8	17.6	35.2	91.9
Funk's G4697	92.1	19.1	13.4	21.6	84.6
Schenk's SS-75A	90.0	19.2	1.0	24.2	91.9
Pioneer 3196	116.4	19.3	1.6	15.4	91.1
Meacham's MX-10Y	91.7	19.4	29.3	20.5	89.8
Stull's 807A SX	94.2	19.8	21.5	13.8	83.9
Princeton SX804	83.7	19.9	16.1	26.0	88.8
Trojan C. F. 66	94.3	19.9	11.6	10.5	88.5
Stull's 720SX	113.1	19.9	13.7	21.7	90.4
Trojan C. F. 105	110.1	20.0	8.7	14.2	90.1
Ky. 105	81.2	20.5	14.6	19.1	90.1
Funk's G5757	99.6	20.6	7.5	13.2	84.6
Dekalb XL85	96.1	20.7	8.9	25.3	85.9
P.A.G. SX99	95.1	21.1	9.8	25.4	93.2
Funk's G4761	100.1	21.3	2.3	11.7	90.9
Yellow Average	98.5	18.8	12.7	19.6	88.5

Table 25. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
White					
Stull's 500W	82.8	19.8	25.2	15.2	93.2
Ky. 5921W	92.1	20.5	28.8	14.2	85.9
Schenk's S-96W	88.8	20.8	15.9	14.3	90.6
S. S. 935W	80.0	21.1	25.0	23.3	91.1
W. O. King K-60	93.8	21.1	26.1	20.5	86.2
G. Ac. M-20-W	87.1	21.3	24.7	24.3	85.7
Meacham's MX-50W	101.7	21.8	46.5	21.9	88.0
Pioneer 511A	95.0	22.0	19.9	21.5	85.2
Funk's G5830W	79.2	22.1	2.0	19.8	79.7
Princeton 990B	83.8	22.1	16.1	17.1	82.3
P.A.G. SX80W	87.6	22.5	1.8	14.6	85.2
Princeton 920A	82.2	22.7	25.9	22.4	85.4
Dekalb XL390W	99.9	22.9	33.7	13.0	88.0
Stull's 800W	98.5	23.4	25.4	12.4	84.9
White Average	89.5	21.7	22.7	18.2	86.5
Grand Average	94.0	20.2	17.7	18.9	87.5

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Cultural Practices

The seedbed was prepared by conventional tillage methods at all locations. Fertilizer was applied as indicated by soil tests. The test areas were treated with herbicide and supplemented by post emergence cultivation when necessary. Table 3 shows the specific treatments for each location.

Experimental Design

Uncontrollable variability due to minor variation of soil types, fertility and other factors was sampled by using three replications of an 8 x 8 balanced lattice. A separate randomization was used for each location. Information presented in Tables 4 through 29 is adjusted for block and replication differences when shown applicable by statistical analyses.

Planting

All plots were planted with a conventional four-row corn planter modified for small plot work. The planter boxes were replaced by special planting heads to permit clean-out after planting each plot row. Each hybrid plot consisted of three side-by-side rows. The two outer rows bordered the middle row from competitive effects of neighboring hybrids and were not used for collection of data. The row width at all locations was 38 inches. Population was varied by altering combinations of row length and number of kernels per row.

Harvesting

All plots were harvested with a conventional tractor-mounted, one-row picker-sheller. The middle row of the 3-row plot was picked, shelled, and the grain collected in a metal container. The grain weight and moisture content of each plot were then measured and recorded on the harvesting equipment with a portable scale and moisture meter. Later, acre yields were calculated and adjusted to No. 2 corn at 15.5% moisture. Only grain picked up by the harvesting equipment appears in the yield column of the following tables. Dropped or missed ears were not gleaned from the plot.

Maize Dwarf Mosaic Virus

Each hybrid in the Frankfort test (Table 28) was rated for virus resistance on a 1-9 scale. A rating of 1 indicates complete resistance to the virus, while a rating of 9 indicates extreme susceptibility. The virus rating should be used in conjunction with yield performance for evaluating hybrids in the Frankfort test since the yields of the hybrids were noticeably influenced by severe lodging which may or may not have been caused by the virus disease. Yields were also reduced owing to animal pests and birds. Therefore, the virus ratings plus the yield performance data should provide the best evaluation of a hybrid's performance.

RESULTS

Tables 4 through 29 present the results of the 1969 Kentucky Hybrid Corn Performance Test. Each table heading gives pertinent information for a particular location. The Princeton, Hartford, and Lexington locations will have annual, 2 and 3-year summaries. The other locations will show annual and 2-year summaries. Plant populations at Princeton, Hartford, and Lexington have varied from year to year. The 1967 data included in these tables represent a population of 17,424 and 23,232 plants per acre for normal and high populations, respectively. To obtain these populations, the plots were overplanted and thinned. The plots in 1968 and 1969 were planted at 20,000 and 26,700 kernels per acre for the normal and high populations respectively and were not thinned. The percent stand indicated in each annual table, when multiplied by the number of kernels planted per acre, will be the actual plant population of a particular hybrid. A percent stand less than 100 would indicate some loss of plants owing to incomplete germination, seedling diseases or other factors. However, a stand reduction of 15% is not uncommon.

The purpose of this publication is not to recommend particular varieties but rather to provide unbiased test results of hybrids grown under common conditions. Data presented give the reader opportunity to consider not only the hybrid's relative yielding ability but, also, the hybrid's ability to produce good stands, to withstand lodging, to resist disease, and its maturity relative to other hybrids.

Comparisons between yields or other characters of any two or more hybrids should be made only with data from one table at a time. The testing procedures employed do not allow comparisons such as a hybrid grown at one location and population with another hybrid grown at a different location and population.

Table 1. Pedigrees of Experiment Station Hybrids Tested in 1969.

Hybrid	Color	Cross	Pedigree
Ky 105	Yellow	4X	(T8 x CI21E) (38-11 x Oh 7B)
Ky 5921W	White	4X	(CI64 x 33-16) (Ky 201 x CI66)

Table 24. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
G. Ac. E-20-Y-A	109.1	19.1	0.0	32.3	82.3
Excel E-71X	74.2	19.1	2.4	21.8	79.7
Princeton SX804	72.9	19.5	5.2	32.6	88.5
Stull's 720SX	118.0	19.6	6.7	25.4	88.5
Trojan C. F. 105	115.0	19.8	0.0	21.0	90.1
P.A.G. SX99	124.1	20.1	2.0	34.0	90.6
S. S. 865	106.7	20.2	13.9	6.3	80.7
Stull's 807A SX	109.3	20.3	5.0	20.5	84.9
G. Ac. Exp. 6916	106.9	20.5	0.0	16.8	87.0
Dekalb XL85	88.6	21.0	6.9	36.4	82.8
Ky. 105	85.5	21.1	20.8	14.4	96.9
Funk's G5757	100.0	21.6	3.4	10.5	81.8
Meacham's MX-15Y	115.4	21.9	0.0	8.1	83.9
Funk's G4761	123.8	22.2	4.0	14.0	91.1
Yellow Average	101.6	18.0	2.3	24.1	87.8
White					
Stull's 500W	90.5	20.3	11.0	14.1	92.7
Schenk's S-96W	118.4	21.0	2.3	15.9	91.7
Ky. 5921W	98.7	21.3	5.1	7.8	77.1
W. O. King K-60	108.8	21.6	7.5	13.3	87.0
Meacham's MX-50W	119.1	21.9	9.2	16.8	88.0
S. S. 935W	77.6	22.0	12.8	29.4	89.6
G. Ac. M-20-W	95.3	22.4	2.5	24.0	80.7
Pioneer 511A	111.7	22.5	6.7	24.8	85.4
Princeton 990B	102.0	22.7	7.5	14.3	83.3
Funk's G5830W	91.1	23.4	1.3	16.5	76.0
Princeton 920A	92.0	24.0	11.8	22.0	88.5
Dekalb XL390W	98.9	24.4	8.2	7.0	88.0
Stull's 800W	105.8	24.5	13.3	7.2	88.0
P.A.G. SX80W	100.6	25.2	1.2	11.5	85.4
Funk's 23441W	92.6	28.9	3.3	4.5	91.7
White Average	100.2	23.1	7.0	15.3	86.2
Grand Average	101.2	20.6	4.7	19.7	87.0

Table 24. Annual Summary, High Population, Lexington, Ky.

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	110.5	14.6	2.6	17.7	82.8
P.A.G. 399	118.2	15.6	0.0	28.0	96.4
Trojan M-114	77.9	15.9	0.0	29.4	99.0
Stew. Card. Exp SX85	80.9	16.0	0.0	57.1	84.4
Dekalb XL45A	97.5	16.0	0.0	32.2	91.7
Dekalb XL82	114.6	16.1	2.0	24.9	84.4
Funk's G4333	101.6	16.1	0.0	22.4	86.5
Dekalb XL45	82.6	16.2	0.0	29.7	84.4
S. S. 720	104.3	16.2	1.1	30.9	95.8
P.A.G. 437	85.2	16.4	1.0	19.6	92.7
P.A.G. SX53	95.5	16.4	0.0	35.5	86.5
Pioneer 3564	80.3	16.5	1.2	30.1	89.1
Stull's 727SX	139.3	16.7	1.7	16.5	89.1
Pioneer 3369A	137.2	16.7	0.0	18.4	87.0
Trojan Exp. 2650	102.2	16.7	1.7	17.6	81.8
Schenk's SS-77A	101.5	16.8	1.1	34.2	86.5
G. Ac. Cashmaker	82.4	16.8	1.0	44.7	96.9
Pioneer 3516	80.6	16.8	5.1	31.9	91.1
Princeton SX803	105.8	16.8	1.2	10.9	82.3
Migro M-44-SX	103.4	16.9	0.6	41.0	87.0
Dekalb XL66	94.1	17.0	1.7	60.2	86.5
Funk's G4595	99.9	17.1	2.4	21.1	86.5
Stew. Card. SX47	98.6	17.3	1.0	29.0	90.6
P.A.G. SX29	107.5	17.4	0.0	20.7	87.0
S. S. 860	102.1	17.4	4.6	16.7	90.6
Funk's G4697	94.3	17.7	2.1	16.9	80.2
Pioneer 3308	105.0	17.7	0.0	25.3	90.1
S. S. 820S	88.6	17.8	0.6	11.4	82.8
S. S. 750	101.0	17.9	0.0	21.9	92.7
Migro M-750	106.7	18.3	1.2	12.9	84.4
Meacham's MX-10Y	92.6	18.5	1.0	27.4	88.5
Pioneer 3306	123.7	18.7	5.8	9.0	85.9
Trojan C. F. 66	90.7	18.9	0.0	10.2	85.4
Schenk's SS-75A	97.1	19.0	2.1	21.1	93.7
Pioneer 3196	124.2	19.1	0.5	10.1	93.7

Table 23. Three-Year Summary, High Population, Princeton, Ky.
(1967-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
Stew. Card. SX47	109.5	18.9	0.4	14.5	86.7
S. S. 820S	114.0	19.1	0.6	13.1	85.2
Pioneer 3306	112.2	19.2	0.0	27.3	87.0
Stull's 807A SX	127.6	19.4	0.0	12.6	90.2
S. S. 860	103.5	19.5	1.1	22.7	84.9
Schenk's SS-77A	104.9	19.5	0.2	15.1	88.8
Pioneer 3196	119.0	19.6	0.0	24.1	87.9
G. Ac. E-20-Y-A	106.5	19.8	0.2	10.0	85.6
Princeton SX804	119.3	20.0	0.2	10.1	87.7
Ky. 105	105.6	20.1	0.7	19.1	86.8
Trojan C. F. 66	104.0	20.1	0.0	14.3	86.1
Trojan C. F. 105	113.1	20.6	0.0	12.9	87.8
Princeton SX803	101.1	21.1	0.0	5.4	83.8
Yellow Average	110.8	19.8	0.2	15.5	86.8
<u>White</u>					
S. S. 935W	129.5	19.8	0.6	10.3	86.6
Ky. 5921W	127.6	20.2	0.0	13.5	86.3
Schenk's S-96W	113.2	20.2	0.0	18.3	90.9
G. Ac. M-20-W	120.6	20.3	0.2	14.0	93.5
Princeton 920A	120.3	21.8	0.0	15.3	89.6
Stull's 800W	100.3	23.1	0.0	14.0	69.7
White Average	118.6	20.9	0.1	14.3	86.1
Grand Average	114.7	20.3	0.2	15.0	86.4

Table 2. Hybrids Tested in 1969

Hybrid	Color	Cross**	Source of Hybrid
Dekalb XL 45	Yellow	2X	Dekalb Agricultural Association DeKalb, Ill.
XL 45A	"	2X	
XL 66	"	2X	
XL 82	"	2X	
XL 85	"	2X	
XL 390W	White	3X	
999W ¹	"	4X	
1006 ¹	Yellow	4X	
Excel E-71X	Yellow	2X	Excel Seed Company P.O. Box 1629 Plainview, Texas
E-944 ¹	"	4X	
E-8244 ¹	"	2X	
Funk's G4333	Yellow	2X	Funk Bros. Seed Co. 1300 W. Washington St. Bloomington, Ill.
G4595	"	3X	
G4697	"	3X	
G4761	"	3X	
G5757	"	4X	
G5830W	White	4X	
*23441W	"	3X	
*23413 ¹	Yellow	2X	
K.A.E.S. Ky 105	Yellow	4X	University of Kentucky Agri. Exp. Station Lexington, Ky.
Ky 5921W	White	4X	
King, W.O. & Son K 60	White	4X	W. O. King & Son Hopkinsville, Ky.
Meacham's MX-10Y	Yellow	2X	Meacham's Hybrids Route 3 Morganfield, Ky.
*MX-15Y	"	2X	
MX-50W ¹	White	2X	
MX-75W ¹	"	2X	
Migro M-44-SX	Yellow	2X	Migro Hybrids Box 7 Mitchell, Ind.
M-750	"	4X	

(continued)

Table 2 (continued)

Hybrid	Color	Cross**	Source of Hybrid
P.A.G. SX-17 _L	Yellow	2X	P-A-G Division W. R. Grace & Co. Aurora, Ill.
SX-29	"	2X	
SX-31	"	2X	
SX-39 ₂	"	2X	
*SX-53	"	2X	
SX-80W	White	2X	
SX-99	Yellow	2X	
399	"	3X	
437	"	4X	
439	"	3X	
Pioneer 3188 _L	Yellow	2X (Mod.)	Pioneer Corn Co. Inc. Union City, Tennessee
*3191 _L	"	3X	
3196	"	2X	
3306	"	2X	
3308	"	3X	
3369A	"	2X	
3516	"	2X	
3564	"	2X (Mod.)	
511A	White	4X	
Princeton SX803	Yellow	2X	
SX804	"	2X	
875M _L	"	4X	
9920A	White	4X	
990B	"	4X	Charles H. Schenk & Sons, Route 4, Vincennes, Ind.
Schenk SS-75A	Yellow	3X	
SS-77A	"	3X	
*SS-88A _L	"	3X	
S-96W	White	4X	
Southern States 720	Yellow	MX	
750	"	MX	
820S	"	2X	
860	"	4X	
865 _L	"	4X	
866 _L	"	4X	
935W	White	4X	

(continued)

Table 22. Two-Year Summary, High Population, Princeton, Ky. (1968-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	103.1	15.7	1.2	11.4	76.0
Pioneer 3564	115.8	15.8	0.0	11.7	88.3
S. S. 720	106.7	16.2	5.2	15.7	85.4
Dekalb XL45	116.0	16.2	0.6	6.4	82.8
Stull's 727SX	108.2	16.3	0.0	15.9	79.9
P.A.G. SX29	112.5	16.7	0.0	11.6	78.6
S. S. 820S	106.9	16.8	0.3	18.2	84.6
Stew. Card. SX47	103.1	16.9	0.0	20.1	82.0
Pioneer 3306	101.8	17.1	0.0	37.6	78.6
Schenk's SS-77A	100.1	17.2	0.0	14.8	84.1
Funk's G4595	102.2	17.2	1.7	8.4	82.3
Ky. 105	104.9	17.3	0.9	24.3	85.9
G. Ac. E-20-Y-A	102.5	17.4	0.0	13.9	80.5
Pioneer 3308	128.7	17.4	0.0	15.3	80.2
Pioneer 3196	105.8	17.5	0.0	38.4	82.6
S. S. 860	100.5	17.5	1.8	28.8	82.6
Schenk's SS-75A	100.4	17.5	0.0	14.5	85.2
Stull's 807A SX	118.3	17.7	0.0	18.4	83.3
Pioneer 3369A	118.9	17.8	0.0	21.2	78.6
Trojan C. F. 66	97.1	17.8	0.0	18.3	83.9
Princeton SX804	110.3	17.9	0.3	12.9	84.4
Funk's G4697	98.9	17.9	0.0	18.0	77.6
Meacham's MX-10Y	116.6	17.9	0.8	11.1	85.4
Stull's 720SX	118.1	18.0	0.0	20.8	82.3
Funk's G4761	103.7	18.2	1.1	13.9	81.8
Funk's G5757	114.7	18.5	1.5	8.8	88.0
Dekalb XL85	121.0	18.7	0.0	12.2	83.3
Trojan C. F. 105	99.3	18.8	0.0	17.3	79.7
Princeton SX803	96.4	18.9	0.0	5.8	76.8
Dekalb XL66	108.4	19.1	0.0	8.9	82.3
P.A.G. SX99	112.7	20.7	0.0	8.3	86.7
Yellow Average	108.2	17.6	0.5	16.3	82.4

Table 22. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
White					
Ky. 5921W	122.5	17.0	0.0	20.8	77.9
Stull's 500W	105.0	17.4	2.0	38.4	79.7
S. S. 935W	125.1	17.5	0.5	15.8	83.6
G. Ac. M-20-W	110.0	17.5	0.0	18.3	87.8
W. O. King K-60	116.7	18.3	0.0	33.6	82.3
Schenk's S-96W	106.0	18.4	0.0	26.9	88.3
Princeton 990B	105.1	18.4	1.2	38.5	83.3
Princeton 920A	115.7	18.5	0.0	23.7	84.4
Meacham's MX-50W	104.9	18.8	0.3	15.8	82.3
P.A.G. SX80W	110.1	19.0	0.0	17.6	81.2
Dekalb XL390W	92.8	19.3	0.0	26.9	87.8
Pioneer 511A	106.5	19.9	0.0	21.1	82.3
Stull's 800W	100.9	20.0	0.0	17.1	79.7
Funk's G5830W	93.8	20.5	0.0	26.4	81.8
White Average	108.2	18.6	0.3	24.4	83.0
Grand Average	108.2	18.1	0.4	20.3	82.7

Table 21. Annual Summary, High Population, Princeton, Ky.

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	102.0	13.8	2.4	19.1	70.3
Funk's G4333	111.3	13.9	0.0	9.8	88.0
Pioneer 3564	128.2	14.1	0.0	17.0	88.0
Dekalb XL45A	112.7	14.1	0.6	17.3	83.9
Dekalb XL45	117.3	14.1	1.1	4.9	83.9
Trojan Exp. 2650	139.0	14.5	0.0	14.7	79.7
S. S. 720	116.9	14.6	10.5	20.2	85.9
Pioneer 3516	132.1	14.6	0.0	10.8	86.5
P.A.G. 437	95.6	14.8	0.0	33.2	78.6
S. S. 820S	105.8	15.0	0.6	24.9	85.9
Migro M-750	112.2	15.1	1.1	33.2	83.9
Trojan M-114	114.4	15.1	0.0	31.6	81.2
S. S. 750	120.8	15.2	0.0	26.6	87.0
Stull's 727SX	127.1	15.2	0.0	13.6	76.6
P.A.G. SX29	111.4	15.3	0.0	10.0	74.5
S. S. 865	109.7	15.4	0.0	39.0	81.2
Pioneer 3306	102.8	15.4	0.0	62.5	82.8
G. Ac. Cashmaker	126.4	15.4	3.4	12.0	91.7
Stew. Card. SX47	109.3	15.6	0.0	21.5	86.5
Schenk's SS-77A	115.1	15.6	0.0	13.6	85.4
P.A.G. 399	116.8	15.7	0.6	16.1	84.4
P.A.G. SX53	114.2	15.7	0.0	9.8	88.0
G. Ac. E-20-Y-A	108.1	15.9	0.0	21.0	78.1
Meacham's MX-10Y	132.1	16.0	1.7	14.9	87.0
Funk's G4595	113.4	16.0	2.3	10.1	78.6
Migro M-44-SX	120.9	16.0	1.1	16.0	89.6
Pioneer 3308	145.2	16.0	0.0	22.1	83.3
Stew. Card. Exp SX85	94.0	16.0	0.0	58.2	79.7
S. S. 860	113.6	16.1	3.7	34.9	81.2
Pioneer 3196	119.4	16.1	0.0	55.3	84.4
Excel E-71X	137.2	16.1	0.0	23.2	79.2
Trojan C. F. 66	109.1	16.2	0.0	24.7	82.3
G. Ac. Exp. 6916	147.1	16.2	0.0	35.6	89.1
Funk's G4761	122.2	16.2	2.2	19.5	81.8
Princeton SX804	126.3	16.3	0.6	11.1	78.1

Table 21. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow Average	118.9	16.0	0.8	22.9	82.4
White					
G. Ac. M-20-W	121.9	15.3	0.0	18.1	85.4
Ky. 5921W	137.2	15.6	0.0	32.5	80.7
Stull's 500W	116.6	16.0	4.0	56.6	81.8
S. S. 935W	142.1	16.1	1.1	24.0	85.9
P.A.G. SX80W	108.4	16.9	0.0	30.0	77.6
W. O. King K-60	134.4	17.1	0.0	47.7	79.2
Schenk's S-96W	119.6	17.3	0.0	41.0	90.6
Meacham's MX-50W	122.2	17.5	0.0	22.9	76.6
Princeton 990B	116.4	17.6	2.4	53.5	80.7
Dekalb XL390W	102.0	17.9	0.0	40.0	87.5
Princeton 920A	121.0	17.9	0.0	35.3	83.3
Stull's 800W	121.4	18.5	0.0	24.7	80.2
Pioneer 511A	118.0	19.3	0.0	26.8	74.5
Funk's 23441W	113.7	19.3	15.7	10.7	90.6
Funk's G5830W	99.0	20.5	0.0	31.1	74.0
White Average	119.6	17.5	1.6	33.0	81.9
Grand Average	119.1	16.8	1.2	28.0	82.2

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Table 2. (continued)

Hybrid	Color	Cross**	Source of Hybrid
Stew. Card. SX47	Yellow	2X	Stewart Hybrids Inc.
*SX85 Exp.	"	2X	Route 1 Princetonville, Ind.
Stull's 307Y ¹	Yellow	4X	Stull Bros. Inc.
400W ¹	White	4X	Sebree, Ky.
500W	"	4X	
720SX	Yellow	2X	
727SX	"	2X	
800W	White	2X	
807ASX	Yellow	2X	
*Exp. 1808 ¹	"	2X	
Taylor-Evans Cashmaker	Yellow	2X	Golden Acre Hybrids
E-20-Y-A	"	4X	Taylor-Evans Seed Co.
M-20-W ¹	White	4X	Tulia, Texas
*VR-20W ¹	"	4X	
VR-20Y ¹	Yellow	4X	
*Exp. 6916	"	2X	
Trojan M-114	Yellow	3X	Trojan Seed Company
*Exp. 2650	"	2X	Box 367
C.F. 66	"	2X	Windfall, Ind.
C.F. 105	"	2X	
C.F. 116 ¹	"	4X	Merger with Crib Filler
*C.F. Exp. 2709 ¹	"	2X	(Mitchell Farms)

* Hybrids available for the first time in 1970, may be available in limited quantities only; and experimentals which may or may not be released.

** 2X = Single Cross, 3X = Three-way Cross, 4X = Double Cross. MX or SX = Multiple or Special Cross.

¹ Entries in Virus Test Only.

² Substitute variety for P.A.G. SX-80W at Hartford Location.

Table 3. Agronomic Information Pertaining to 1969 Test Locations

Location and Cooperator	Soil Type	Fertilizer Applied	Herbicide Treatment	Planting Date	Harvest Date	Comments
(1) Lowes, Ky. James Samples	Collins Silt Loam	N-186 lbs/A P- 40 lbs/A K- 83 lbs/A	Atrazine Banded	April 25	Sept. 23	Damage to early varieties by animal pests.
(2) Princeton, Ky. Western Ky. Substation	Huntington & Lindside Silt Loam	N-150 lbs/A P- None K- 49 lbs/A	Atrazine Broadcast	April 29 and April 30	Sept. 24 and Sept. 25	
(3) Henderson, Ky. James McConathy	Wakeland Silt Loam	N-150 lbs/A P- 35 lbs/A K- 66 lbs/A	Atrazine and Sutan Broadcast	May 13	Oct. 1 and Oct. 2	
(4) Hartford, Ky. Walter and Earl Campbell	Stendal Silt Loam	N-180 lbs/A P- None K- None	Atrazine Broadcast Preplant	June 11	Oct. 30	
(5) Franklin, Ky. Robert Wade	Pembroke Silt Loam	N-178 lbs/A P- 85 lbs/A K- 17 lbs/A	Atrazine and Sutan Broadcast	May 1	Sept. 29	Drought Damage & Insect Damage to crop.
(6) Lexington, Ky. Ky. A.E.S.	Lanton Silt Loam	N-150 lbs/A P- None K- 49 lbs/A	Atrazine Broadcast	May 6 and May 7	Oct. 9-10 and Oct. 15-16	
(7) Frankfort, Ky. Mason and Ralph Bates	Armour Silt Loam	N-150 lbs/A P- None K- 49 lbs/A	Atrazine Broadcast	May 22	Oct. 22 and Oct. 23	Heavy M.D.M. Virus. Damage from animal pests & birds.
(8) Quicksand, Ky. Robinson Substation	Philo Silt Loam	N-150 lbs/A P- 44 lbs/A K- 83 lbs/A	Atrazine Broadcast	May 15	Oct. 20 and Oct. 21	Drought Damage.

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Table 20. Two-Year Summary, Normal Population, Quicksand, Ky. (1968-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	91.0	16.7	2.7	8.8	83.9
Pioneer 3564	90.4	17.2	0.0	16.6	82.8
Stull's 727SX	82.5	17.9	0.0	20.2	80.7
P.A.G. SX29	97.0	18.0	0.0	10.2	85.9
S. S. 720	112.9	18.2	2.2	14.1	86.5
Dekalb XL45	80.0	18.4	3.8	17.1	80.7
S. S. 820S	99.1	18.5	3.1	12.5	86.5
Princeton SX803	93.4	18.6	0.0	10.6	89.1
Schenk's SS-77A	75.4	18.7	1.8	16.8	79.7
Stew. Card. SX47	85.4	18.7	0.0	15.2	83.9
Pioneer 3196	112.0	19.0	0.0	9.2	82.3
Funk's G4697	83.5	19.2	0.0	14.4	76.6
Trojan C. F. 66	92.9	19.2	1.1	13.0	85.9
Dekalb XL66	99.4	19.2	0.6	37.9	80.2
Funk's G4595	95.9	19.3	2.8	7.1	84.9
S. S. 860	105.1	19.3	4.5	13.3	77.6
Princeton SX804	94.1	19.6	2.2	15.5	78.1
Meacham's MX-10Y	95.0	19.7	1.6	15.4	86.5
P.A.G. SX99	88.9	19.7	0.0	14.8	81.8
Trojan C. F. 105	105.9	19.8	0.0	3.7	84.9
Schenk's SS-75A	102.1	19.9	0.0	6.4	82.8
Ky. 105	111.7	20.0	2.9	5.6	77.6
Pioneer 3306	88.2	20.0	0.6	32.4	78.6
Pioneer 3369A	117.7	20.0	0.0	12.0	81.8
Pioneer 3308	126.5	20.0	0.5	6.9	83.9
G. Ac. E-20-Y-A	97.1	20.2	0.0	18.3	76.6
Stull's 807A SX	94.9	20.3	0.6	11.8	83.3
Stull's 720SX	125.6	20.7	0.6	13.7	89.6
Dekalb XL85	100.6	20.8	2.4	30.5	79.7
Funk's G5757	119.2	21.4	0.6	8.2	82.8
Funk's G4761	136.7	22.3	0.0	3.1	89.1
Yellow Average	100.0	19.4	1.1	14.1	82.7

Table 20. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
White					
Stull's 500W	107.5	20.1	5.7	13.9	84.9
Ky. 5921W	118.9	20.2	0.0	3.2	83.3
G. Ac. M-20-W	12.0	20.3	7.7	7.3	86.5
Meacham's MX-50W	95.2	20.6	0.6	13.9	84.4
S. S. 935W	109.3	20.6	0.0	8.2	87.0
Schenk's S-96W	118.1	21.0	0.0	5.9	87.0
W. O. King K-60	112.0	21.3	2.5	3.1	82.3
Princeton 990B	106.8	21.4	0.0	3.3	80.7
Princeton 920A	109.0	21.6	1.4	5.2	80.2
Dekalb XL390W	117.3	21.7	0.0	7.4	88.5
P.A.G. SX80W	100.9	22.4	0.5	14.9	87.5
Pioneer 511A	120.0	22.9	0.0	7.1	82.3
Stull's 800W	96.1	22.9	4.1	15.9	74.0
Funk's G5830W	103.4	23.0	1.2	5.3	79.7
White Average	109.7	21.4	1.7	8.2	83.4
Grand Average	104.8	20.4	1.4	11.2	83.0

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Table 19. Annual Summary, Normal Population, Quicksand, Ky.

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
P.A.G. 399	64.0	14.0	0.0	29.5	67.7
Dekalb XL45A	62.2	14.2	0.0	17.9	67.7
P.A.G. SX53	52.9	14.3	0.0	23.5	69.8
P.A.G. SX31	79.0	14.6	0.0	16.5	76.0
Princeton SX803	81.2	14.9	0.0	20.0	87.5
S. S. 720	110.6	14.9	0.0	24.9	80.2
Pioneer 3564	70.9	14.9	0.0	33.2	82.3
P.A.G. 437	71.9	15.1	0.0	33.1	77.1
Trojan Exp. 2650	91.5	15.2	0.0	11.0	85.4
Funk's G4333	45.7	15.3	0.0	39.2	72.9
Trojan M-114	96.6	15.3	0.0	16.2	76.0
S. S. 820S	95.8	15.4	0.0	25.1	74.0
Dekalb XL45	64.8	15.4	0.0	29.4	70.8
P.A.G. SX29	82.6	15.5	0.0	19.4	82.3
Stew. Card. SX47	83.3	15.5	0.0	28.0	78.1
Dekalb XL82	74.1	15.6	0.0	32.7	68.7
Schenk's SS-77A	79.3	15.7	0.0	20.6	74.0
S. S. 750	110.9	15.8	0.0	18.6	83.3
Stew. Card. Exp SX85	84.1	15.9	0.0	26.3	78.1
Stull's 727SX	79.5	16.0	0.0	34.3	92.7
G. Ac. Cashmaker	95.4	16.1	0.0	13.2	87.5
Trojan C. F. 66	87.2	16.1	0.0	16.8	78.1
Pioneer 3196	107.8	16.1	0.0	14.9	78.1
Meacham's MX-15Y	71.8	16.2	0.0	21.2	72.9
S. S. 865	83.8	16.2	0.0	24.2	78.1
P.A.G. SX99	66.8	16.2	0.0	24.4	72.9
Meacham's MX-10Y	91.4	16.2	0.0	27.3	81.2
Dekalb XL66	98.5	16.3	0.0	71.4	69.8
Pioneer 3516	78.9	16.3	0.0	30.5	81.2
Funk's G4595	93.5	16.3	0.0	11.9	80.2
Funk's G4697	82.5	16.5	0.0	25.6	70.8
G. Ac. Exp. 6916	126.4	16.5	0.0	10.5	87.5
Trojan C. F. 105	97.8	16.6	0.0	5.1	81.2
Princeton SX804	82.1	16.9	0.0	27.6	63.5
Pioneer 3369A	114.2	17.1	0.0	22.6	83.3

Table 19. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
S. S. 860	101.8	17.3	0.0	16.1	84.4
Migro M-44-SX	97.1	17.4	0.0	21.3	79.2
Migro M-750	86.4	17.5	0.0	39.7	77.1
Ky. 105	115.0	17.7	0.0	8.3	88.5
Pioneer 3308	134.7	17.8	0.0	10.1	82.3
Excel E-71X	90.5	17.9	0.0	21.6	81.2
Pioneer 3306	98.1	18.0	0.0	56.0	80.2
Schenk's SS-75A	115.2	18.0	0.0	7.9	80.2
Dekalb XL85	82.6	18.1	0.0	57.0	80.2
G. Ac. E-20-Y-A	111.8	18.2	0.0	24.9	82.3
Stull's 807A SX	108.4	18.3	0.0	16.3	72.9
Stull's 720SX	126.9	18.5	0.0	25.4	84.4
Funk's G5757	133.3	18.8	0.0	16.5	81.2
Funk's G4761	139.7	19.4	0.0	6.2	85.4
<u>Yellow Average</u>	91.8	16.4	0.0	24.0	78.6
<u>White</u>					
Stull's 500W	83.7	17.3	0.0	26.7	84.4
G. Ac. M-20-W	119.7	17.6	0.0	10.9	86.5
S. S. 935W	98.7	17.8	0.0	10.8	81.2
Ky. 5921W	106.1	18.2	0.0	6.4	77.1
Meacham's MX-50W	87.9	18.4	0.0	19.2	77.1
Princeton 920A	128.9	18.9	0.0	9.2	83.3
Schenk's S-96W	122.2	18.9	0.0	9.3	90.6
Princeton 990B	107.5	19.5	0.0	5.3	79.2
Dekalb XL390W	115.3	20.4	0.0	13.7	87.5
Stull's 800W	87.7	20.5	0.0	28.0	64.6
W. O. King K-60	124.3	20.7	0.0	6.2	85.4
Pioneer 511A	102.2	21.1	0.0	10.8	75.0
P.A.G. SX80W	94.2	22.0	0.0	21.9	82.3
Funk's G5830W	97.2	22.4	0.0	8.2	76.0
Funk's 23441W	109.0	25.5	0.0	4.3	78.1
<u>White Average</u>	105.6	20.0	0.0	12.8	80.6
<u>Grand Average</u>	95.1	18.2	0.0	18.4	79.6

Table 4. Annual Summary, Normal Population, Lowes, Ky.

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
Dekalb XL45A	*	0.0	2.6	3.9	81.2
P.A.G. SX53	*	0.0	0.0	2.1	96.9
Funk's G4333	131.1	12.9	0.0	1.1	92.7
Trojan M-114	118.1	13.2	0.0	1.1	92.7
Stew Card. Exp SX85	95.7	13.7	0.0	5.1	80.2
P.A.G. 399	130.9	13.8	1.1	2.2	94.8
G. Ac. Cashmaker	122.7	13.8	0.0	1.0	91.7
Princeton SX803	143.3	14.0	0.0	2.4	79.2
Trojan Exp. 2650	144.6	14.0	0.0	3.3	91.7
S. S. 820S	104.5	14.0	2.3	4.6	86.5
Dekalb XL45	87.1	14.0	0.0	1.2	80.2
P.A.G. 437	114.5	14.2	0.0	5.0	86.5
P.A.G. SX31	103.9	14.2	0.0	1.1	89.6
Schenk's SS-77A	110.6	14.3	0.0	2.4	81.2
Pioneer 3516	143.4	14.3	0.0	5.7	94.8
P.A.G. SX29	135.7	14.4	0.0	5.9	90.6
S. S. 860	133.7	14.4	0.0	4.4	95.8
S. S. 720	127.6	14.5	0.0	1.0	97.9
Pioneer 3564	71.1	14.5	0.0	1.2	79.2
S. S. 750	135.7	14.6	0.0	3.3	89.6
Trojan C.F.66	133.3	14.7	0.0	2.3	86.5
Migro M-750	136.2	14.8	0.0	2.3	92.7
Dekalb XL66	109.9	14.8	0.0	1.1	92.7
Dekalb XL82	136.9	14.9	0.0	1.1	85.4
Meacham's MX-10Y	115.5	14.9	3.2	3.2	95.8
Pioneer 3306	147.7	14.9	0.0	1.0	88.5
Stull's 727SX	150.9	15.0	0.0	1.0	94.8
Migro M-44-SX	96.6	15.0	0.0	0.0	83.3
Stew. Card. SX47	132.4	15.0	0.0	1.1	84.4
Ky 105	136.8	15.1	0.0	2.3	93.7
Excel E-71X	144.9	15.2	0.0	1.1	86.5
S. S. 865	132.5	15.2	0.0	4.4	93.7
Princeton SX804	151.2	15.2	0.0	0.0	82.3
Pioneer 3196	154.4	15.3	0.0	3.2	94.8
G. Ac. E-20-Y-A	107.4	15.4	0.0	2.3	84.4
Pioneer 3308	144.4	15.5	0.0	2.6	87.5

Table 4. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Funk's G4595	126.0	15.6	0.0	3.2	95.8
Schenk's SS-75A	142.6	15.7	0.0	1.0	91.7
Dekalb XL85	154.8	15.7	0.0	1.1	95.8
Stull's 720SX	136.9	15.8	0.0	0.0	89.6
Pioneer 3369A	159.1	15.9	0.0	2.3	93.7
Funk's G4697	124.2	15.9	0.0	0.0	78.1
Trojan C.F. 105	139.1	16.0	0.0	0.0	91.7
Funk's G5757	134.7	16.2	0.0	2.0	87.5
Stull's 807A SX	127.7	16.2	0.0	0.0	76.0
P.A.G. SX99	139.6	16.5	0.0	0.0	84.4
G. A. Exp. 6916	166.5	16.9	0.0	6.2	97.9
Meacham's MX-15Y	136.2	16.9	0.0	0.0	80.2
Funk's G4761	109.1	17.1	0.0	1.1	94.8
<u>Yellow Average</u>	129.2	14.4	0.2	2.2	88.9
<u>White</u>					
Schenk's S-96W	130.4	14.9	0.0	3.1	92.7
W.O. King K-60	135.6	15.1	0.0	4.8	87.5
Stull's 500W	132.5	15.3	2.3	2.3	90.6
Ky. 5921W	135.7	15.4	0.0	0.0	85.4
Princeton 990B	145.7	15.6	0.0	0.0	93.7
S. S. 935W	130.9	15.8	0.0	1.1	86.5
Princeton 920A	138.3	15.8	0.0	1.0	93.7
G. A. M-20-W	150.4	15.9	0.0	1.1	90.6
Funk's G5830W	128.3	16.0	0.0	0.0	84.4
Stull's 800W	141.0	16.2	0.0	4.6	86.5
Dekalb XL390W	134.6	16.2	0.0	1.0	89.6
Meacham's MX-50W	123.1	16.3	0.0	1.0	84.4
Pioneer 511A	156.2	17.1	0.0	6.8	92.7
P.A.G. SX80W	127.6	18.2	0.0	2.3	87.5
Funk's 23441W	142.7	20.1	0.0	0.0	91.7
<u>White Average</u>	136.9	16.2	0.2	2.0	89.2
<u>Grand Average</u>	133.0	15.3	0.2	2.1	89.0

* Missing Plot

Table 5. Two-Year Summary, Normal Population, Lowes, Ky.
(1968-69)

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
Dekalb XL45	109.0	14.6	0.0	1.7	87.0
P.A.G. SX31	119.3	14.8	0.7	1.7	87.0
S. S. 720	139.0	15.3	0.5	2.1	97.9
Schenk's SS-77A	112.3	15.4	1.9	3.4	82.2
Pioneer 3564	92.2	15.4	0.0	1.2	79.7
Dekalb XL66	118.8	15.4	0.0	0.5	90.6
S. S. 820S	120.0	15.5	21.3	2.3	85.9
Princeton SX803	147.5	15.6	0.0	1.7	86.5
P.A.G. SX29	140.9	15.6	0.0	3.5	92.2
Stew Card. SX47	138.0	15.8	1.0	2.1	91.1
Stull's 727SX	139.2	16.0	0.5	2.3	88.0
Meacham's MX-10Y	125.3	16.2	1.6	2.1	94.3
Funk's G4595	113.9	16.2	0.0	3.2	85.4
S. S. 860	134.5	16.3	9.2	3.6	89.1
G. Ac. E-20-Y-A	120.0	16.5	2.4	1.7	81.8
Princeton SX804	146.5	16.5	0.0	0.0	83.3
Schenk's SS-75A	120.7	16.6	0.0	5.3	82.3
Trojan C. F. 66	154.7	16.7	5.3	2.2	92.2
Pioneer 3369A	155.1	16.8	0.0	1.8	86.5
Ky. 105	116.4	16.8	1.3	1.8	79.2
Pioneer 3306	138.4	16.9	0.0	2.4	88.0
Funk's G4697	128.7	17.0	0.5	1.1	82.8
Pioneer 3308	141.0	17.0	0.0	2.0	84.4
Pioneer 3196	157.8	17.1	0.0	3.2	93.2
Dekalb XL85	146.7	17.1	0.0	0.5	88.0
Trojan C. F. 105	148.2	17.2	0.0	2.1	93.7
Stull's 807A SX	137.4	17.3	0.0	0.0	83.9
Stull's 720SX	141.4	17.3	0.0	1.8	94.3
Funk's G5757	122.4	17.6	1.0	3.1	84.4
P.A.G. SX99	143.2	18.3	4.4	1.1	88.5
Funk's G4761	117.1	19.0	0.0	0.5	93.7
Yellow Average	131.8	16.5	1.6	2.0	87.7

Table 5. (continued)

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
White					
Schenk's S-96W	136.1	16.7	0.0	1.6	89.6
Ky. 5921W	139.7	16.7	1.6	1.0	88.5
W.O. King K-60	142.1	16.8	0.5	4.2	88.0
Stull's 500W	131.7	17.0	4.7	3.4	90.6
S.S. 935W	138.7	17.1	0.5	1.8	88.5
G. Ac. M-20-W	138.4	17.2	5.5	1.1	90.1
Princeton 920A	132.3	17.5	0.0	2.2	91.7
Dekalb XL390W	138.6	17.7	3.2	0.5	85.4
Princeton 990B	142.3	17.8	1.1	4.1	91.1
Meacham's MX-50W	127.0	18.2	3.6	2.1	90.1
Stull's 800W	135.9	18.5	1.4	2.3	92.2
Funk's G5830W	136.7	18.5	0.0	2.9	85.4
Pioneer 511A	160.3	19.6	1.1	4.5	91.7
P.A.G. SX80W	147.2	19.8	0.0	1.7	87.0
White Average	139.1	17.8	1.7	2.4	89.3
Grand Average	135.4	17.2	1.7	2.2	88.5

Table 18. Three-Year Summary, Normal Population, Lexington, Kentucky
(1967-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
Stew Card. SX47	113.9	19.2	18.4	10.1	97.5
S. S. 820S	110.3	19.7	31.5	8.3	96.7
Schenk's SS-77A	117.6	20.1	18.6	6.9	92.4
Princeton SX804	114.1	20.7	30.6	6.5	91.1
G. Ac. E-20-Y-A	115.2	20.8	18.5	6.7	93.8
S. S. 860	117.7	20.8	25.8	8.1	90.6
Trojan C. F. 105	128.4	20.9	14.6	6.0	94.1
Stull's 807A SX	120.2	20.9	11.4	6.9	94.2
Pioneer 3306	131.4	21.0	11.7	5.8	96.3
Pioneer 3196	127.8	21.4	10.2	4.8	96.2
Trojan C. F. 66	127.2	21.4	34.2	3.0	94.7
Princeton SX803	127.9	21.5	13.1	8.2	91.7
Ky. 105	92.6	22.4	8.8	10.5	91.9
Yellow Average	118.8	20.8	19.1	7.1	93.9
White					
Schenk's S-96W	106.6	21.8	32.5	7.5	94.5
Ky. 5921W	104.6	22.1	26.1	9.6	96.0
S. S. 935W	110.0	22.3	29.2	10.8	93.3
G. Ac. M-20-W	103.9	22.5	21.4	7.5	93.9
Princeton 920A	112.4	22.9	21.6	5.5	92.0
Stull's 800W	111.1	24.6	15.3	6.9	83.1
White Average	108.1	22.7	24.4	8.0	92.1
Grand Average	113.4	21.8	21.8	7.6	93.0

Table 17. Two-Year Summary, Normal Population, Lexington, Ky. (1968-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
P.A.G. SX31	113.4	16.6	6.3	9.7	84.9
Pioneer 3564	98.2	17.6	6.1	14.6	92.2
S. S. 720	108.5	18.0	34.1	9.0	96.4
Dekalb XL45	111.2	18.1	25.3	5.0	90.6
Stew. Card. SX47	107.2	18.3	11.1	13.7	95.8
S. S. 820S	109.2	18.4	26.2	9.7	95.8
Pioneer 3369A	128.9	18.6	6.3	10.4	88.5
Funk's G4595	116.8	18.7	22.1	4.1	93.2
Stull's 727SX	115.9	19.1	0.8	11.9	74.0
Pioneer 3308	117.9	19.2	10.6	10.0	93.2
Schenk's SS-77A	111.4	19.3	12.5	7.2	90.1
Funk's G4697	118.5	19.3	9.5	6.2	87.0
P.A.G. SX29	119.5	19.3	4.8	8.0	83.3
Dekalb XL66	119.4	19.4	7.2	12.4	97.4
S. S. 860	116.4	19.6	20.5	10.0	87.5
Princeton SX804	114.0	19.7	27.4	6.4	87.5
Schenk's SS-75A	107.4	19.8	7.5	15.3	92.7
Meacham's MX-10Y	114.9	19.9	17.5	7.6	96.4
Princeton SX803	133.6	20.0	6.2	8.0	92.7
Pioneer 3306	132.5	20.1	6.3	5.4	94.8
Trojan C. F. 105	124.7	20.1	3.8	6.8	91.1
G. Ac. E-20-Y-A	120.8	20.3	10.4	7.8	90.6
Pioneer 3196	131.2	20.4	0.6	5.3	93.2
Stull's 807A SX	112.8	20.4	11.0	8.2	91.7
Trojan C. F. 66	129.0	20.5	31.6	4.5	91.7
Stull's 720SX	131.8	20.6	9.6	10.1	97.4
Dekalb XL85	127.4	21.1	11.4	11.7	91.7
Funk's G5757	115.7	21.4	24.3	2.9	91.7
Ky. 105	94.8	21.6	4.3	10.9	87.5
Funk's G4761	121.7	22.3	16.9	6.5	92.2
P.A.G. SX99	122.4	22.5	11.6	8.8	94.3
Yellow Average	117.6	19.7	13.0	8.6	91.2

Table 17. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>White</u>					
Schenk's S-96W	104.7	20.5	33.1	8.3	93.2
W. O. King K-60	111.7	21.0	19.5	10.3	90.6
Ky. 5921W	106.8	21.1	29.7	12.3	94.3
S. S. 935W	112.3	21.1	25.1	11.2	91.7
G. Ac. M-20-W	98.1	21.9	11.7	8.3	91.1
Princeton 920A	113.9	22.1	21.1	4.0	88.0
Princeton 990B	109.5	22.1	16.0	8.7	89.1
Stull's 500W	109.8	22.2	15.3	12.5	96.9
Meacham's MX-50W	113.1	22.3	38.1	7.6	87.0
Pioneer 511A	103.9	22.7	14.2	7.7	86.5
Stull's 800W	131.6	22.9	8.8	9.1	92.2
Dekalb XL390W	120.6	23.1	20.8	7.2	93.7
Funk's G5830W	97.9	23.1	11.0	10.8	81.2
P.A.G. SX80W	122.9	24.5	0.5	4.4	88.5
White Average	111.2	22.2	19.0	8.8	90.3
Grand Average	114.4	20.9	16.0	8.7	90.8

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Table 6. Annual Summary, Normal Population, Princeton, Ky.

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
Dekalb XL45A	117.6	14.7	0.0	5.2	97.9
P.A.G. SX53	114.9	14.7	0.0	6.9	93.7
Funk's G4333	93.8	14.8	0.0	2.2	86.5
P.A.G. SX31	86.5	15.0	0.0	12.7	89.6
Dekalb XL45	97.5	15.2	0.0	10.6	86.5
Stew. Card. Exp. SX85	118.9	15.2	0.0	14.2	81.2
P.A.G. SX29	136.3	15.2	0.0	6.5	95.8
Pioneer 3516	152.6	15.3	0.0	6.5	94.8
P.A.G. 399	131.9	15.4	0.0	17.0	97.9
Pioneer 3196	138.1	15.5	0.0	9.3	85.4
Princeton SX803	128.8	15.5	0.0	15.8	87.5
S. S. 720	137.2	15.5	0.0	22.6	95.8
Stull's 727SX	140.2	15.5	0.0	5.2	99.0
Dekalb XL66	144.1	15.6	0.0	4.3	93.7
Trojan Exp. 2650	156.5	15.6	0.0	4.7	94.8
Stew Card. SX47	143.7	15.7	0.0	7.5	94.8
Trojan M-114	131.8	15.7	0.0	10.9	90.6
Pioneer 3564	115.2	15.7	0.0	14.1	91.7
S. S. 865	139.8	15.8	0.0	18.8	99.0
Schenk's SS-77A	131.6	15.8	0.0	13.8	96.9
Meacham's MX-10Y	137.3	15.9	0.0	3.2	92.7
S. S. 750	152.7	16.0	0.0	13.6	99.0
Funk's G4595	133.4	16.1	0.0	11.5	85.4
Ky. 105	145.2	16.3	0.0	8.4	95.8
G. Ac. Exp. 6916	144.0	16.3	0.0	7.3	90.6
Migro M-44-SX	146.7	16.3	0.0	1.0	99.0
Pioneer 3306	154.8	16.3	0.0	6.8	91.7
Excel E-71X	108.3	16.3	0.0	19.0	81.2
Migro M-750	140.4	16.4	0.0	10.5	79.2
Dekalb XL82	121.8	16.4	0.0	11.6	76.0
Pioneer 3308	159.0	16.4	0.0	13.2	93.7
S. S. 820S	153.2	16.4	0.0	5.4	93.7
Princeton SX804	139.4	16.5	0.0	4.7	88.5
Stull's 720SX	137.6	16.5	0.0	7.3	88.5
G. Ac. E-20-Y-A	120.9	16.6	0.0	13.9	78.1
Trojan C. F. 66	142.0	16.6	0.0	8.2	88.5

Table 6 (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
P.A.G. SX99	160.9	16.7	0.0	11.0	95.8
Funk's G4697	123.1	16.8	0.0	14.8	83.3
Trojan C. F. 105	137.5	17.2	0.0	14.7	97.9
Pioneer 3369A	172.9	17.5	0.0	7.8	92.7
Funk's G5757	158.7	17.7	0.0	3.2	94.8
Schenk's SS-75A	144.9	17.7	0.0	10.7	96.9
Stull's 807A SX	122.7	18.3	0.0	5.7	86.5
P.A.G. 437	130.2	18.4	0.0	15.6	99.0
Meacham's MX-15Y	142.0	18.4	0.0	1.1	83.3
G. Ac. Cashmaker	128.7	18.4	0.0	7.5	96.9
S. S. 860	119.5	18.5	0.0	34.9	87.5
Funk's G4761	134.1	18.5	0.0	7.0	89.6
Dekalb XL85	145.7	21.4	0.0	16.4	92.7
Yellow Average	135.0	16.4	0.0	10.3	91.3
<u>White</u>					
Stull's 500W	141.1	16.4	0.0	32.9	94.8
W. O. King K-60	138.1	16.4	0.0	30.7	94.8
P.A.G. SX80W	129.4	16.4	0.0	42.9	89.6
S.S. 935W	155.9	16.5	0.0	22.6	87.5
Princeton 990B	151.2	17.0	0.0	24.5	96.9
G. Ac. M-20-W	139.3	17.6	0.0	24.2	89.6
Schenk's S-96W	134.5	17.7	0.0	13.2	90.6
Stull's 800W	147.1	18.0	0.0	21.8	94.8
Funk's G4830W	108.0	18.2	0.0	9.9	72.9
Pioneer 511A	133.0	18.3	0.0	17.4	83.3
Meacham's MX-50W	136.1	19.0	0.0	9.7	94.8
Dekalb XL390W	141.0	19.2	0.0	22.8	96.9
Ky. 5921W	148.8	19.3	0.0	15.1	90.6
Princeton 920A	128.0	19.9	0.0	20.2	97.9
Funk's 23441W	134.7	21.4	0.0	10.1	91.7
White Average	137.7	18.1	0.0	21.2	91.1
Grand Average	135.6	17.2	0.0	15.8	91.2

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Table 7. Two-Year Summary, Normal Population, Princeton, Ky. (1968-69)

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	90.5	15.6	0.0	14.7	83.9
P.A.G. SX29	121.0	16.2	0.0	6.4	87.5
Pioneer 3564	102.0	16.3	0.0	10.9	89.6
Stull's 727SX	116.3	16.3	0.0	10.5	85.4
Dekalb XL45	102.0	16.4	0.0	9.3	90.1
S. S. 720	126.8	16.6	0.0	17.8	96.9
Princeton SX803	113.3	16.8	0.0	9.1	88.5
Ky. 105	117.6	17.0	0.0	13.1	87.5
Stew. Card. SX47	126.5	17.0	0.0	8.7	93.7
Schenk's SS-77A	109.2	17.1	0.0	10.4	92.7
S. S. 820S	133.5	17.1	0.0	7.2	93.7
Dekalb XL66	122.3	17.3	0.0	7.8	93.2
Funk's G4595	117.6	17.5	0.0	10.8	87.5
Pioneer 3308	132.7	17.5	0.0	10.0	86.5
Pioneer 3306	134.0	17.6	0.0	7.6	87.5
Pioneer 3196	123.3	17.7	0.6	10.8	89.1
Pioneer 3369A	143.7	18.0	0.0	8.3	91.1
Meacham's MX-10Y	118.4	18.0	0.0	6.5	90.6
G. Ac. E-20-Y-A	108.7	18.0	0.0	11.7	82.3
Princeton SX804	115.7	18.2	0.0	7.4	90.1
Funk's G4697	106.2	18.2	0.0	9.3	82.8
Schenk's SS-75A	113.4	18.2	0.0	10.5	93.7
Trojan C. F. 66	132.1	18.3	0.0	7.0	93.7
Stull's 720SX	128.5	18.3	0.0	9.6	92.7
Trojan C. F. 105	130.3	18.6	0.0	10.5	98.4
Stull's 807A SX	112.3	18.7	0.0	7.8	90.1
S. S. 860	112.0	18.7	0.0	21.1	87.5
P.A.G. SX99	130.8	18.9	0.0	12.9	95.3
Funk's G5757	126.4	19.1	0.0	5.6	87.0
Funk's G4761	105.4	19.4	0.0	7.2	88.5
Dekalb XL85	128.9	21.1	0.0	16.6	89.6
Yellow Average	119.4	17.7	0.02	10.2	89.9

Table 7. (continued)

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
White					
Stull's 500W	123.5	17.4	0.0	26.3	92.7
W.O. King K-60	116.6	17.4	0.0	19.4	92.2
S. S. 935W	130.9	17.8	0.0	15.9	93.7
Schenk's S-96W	122.6	18.1	0.0	12.1	88.0
P.A.G. SX80W	119.8	18.2	0.0	24.7	91.7
G. Ac. M-20-W	125.9	18.2	0.5	16.6	89.6
Princeton 990B	121.9	18.3	0.0	18.2	87.0
Funk's G5830W	99.6	19.3	0.0	12.2	76.0
Ky. 5921W	129.9	19.5	0.0	13.4	90.6
Pioneer 511A	108.8	19.5	0.0	16.7	88.5
Stull's 800W	124.1	19.6	0.0	16.9	91.7
Meacham's MX-50W	112.3	19.8	0.0	8.1	94.8
Princeton 920A	113.4	19.8	0.0	11.8	92.7
Dekalb XL390W	121.8	20.1	0.6	15.9	89.6
White Average	119.4	18.8	0.09	16.3	89.9
Grand Average	119.4	18.2	0.05	13.3	89.9

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Table 16. Annual Summary, Normal Population, Lexington, Ky.

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
Funk's G4333	122.0	14.8	0.0	8.0	88.5
P.A.G. SX31	133.1	14.9	0.0	11.1	83.3
Pioneer 3564	99.2	15.6	0.0	18.8	95.8
Dekalb XL45A	132.3	15.6	0.0	4.3	93.7
Trojan M-114	128.7	16.2	0.0	11.7	96.9
Dekalb XL45	131.9	16.3	0.0	1.2	86.5
Pioneer 3369A	138.3	16.5	0.0	11.0	93.7
S. S. 720	125.8	16.5	0.0	11.4	96.9
Pioneer 3516	121.7	16.6	0.0	7.7	90.6
S. S. 750	136.8	16.7	0.0	10.8	95.8
S. S. 820S	140.5	16.7	0.0	13.8	96.9
Stew. Card. Exp SX85	128.6	16.8	0.0	29.3	93.7
Stew. Card. SX47	113.5	16.8	4.6	14.9	91.7
G. Ac. Cashmaker	129.1	17.0	0.0	9.8	94.8
P.A.G. 399	127.1	17.1	1.1	8.3	87.5
Schenk's SS-77A	119.6	17.2	0.0	5.0	81.2
Pioneer 3308	133.5	17.2	0.0	12.8	97.9
Funk's G4697	121.3	17.2	1.2	8.8	86.5
Funk's G4595	133.0	17.2	2.1	2.3	93.7
P.A.G. 437	136.8	17.3	0.0	8.4	88.5
Migro M-44-SX	132.6	17.3	0.0	7.6	92.7
Dekalb XL82	132.4	17.4	0.0	12.7	81.2
Stull's 727SX	134.3	17.6	0.0	1.3	83.3
Princeton SX804	125.6	17.8	1.2	5.0	82.3
S. S. 860	132.0	17.8	0.0	9.9	92.7
Trojan Exp. 2650	139.0	17.9	0.0	2.1	93.7
Excel E-71X	121.8	18.0	0.0	7.9	91.7
Dekalb XL66	130.2	18.1	0.0	18.6	94.8
Migro M-750	131.6	18.1	0.0	4.6	85.4
Meacham's MX-10Y	122.2	18.4	1.1	9.8	94.8
Princeton SX803	131.2	18.4	0.0	4.6	93.7
P.A.G. SX29	146.0	18.4	1.0	2.0	86.5
P.A.G. SX53	131.9	18.6	0.0	4.6	88.5
G. Ac. E-20-Y-A	135.3	18.7	0.0	7.7	90.6
Schenk's SS-75A	110.0	18.9	2.2	7.9	90.6

Table 16. (continued)

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
Trojan C. F. 105	134.6	18.9	0.0	3.5	88.5
Trojan C. F. 66	142.0	19.1	0.0	5.9	88.5
G. Ac. Exp. 6916	170.5	19.4	0.0	0.0	96.9
Stull's 720SX	146.4	19.5	0.0	5.2	97.9
Pioneer 3306	146.2	19.7	0.0	4.3	95.8
S. S. 865	147.4	19.7	1.1	6.4	95.8
Pioneer 3196	151.2	19.8	0.0	0.0	92.7
Funk's G5757	147.2	19.9	3.4	4.6	88.5
Stull's 807A SX	125.7	20.2	0.0	9.6	90.6
Dekalb XL85	135.5	20.2	0.0	13.1	91.7
Funk's G4761	140.7	20.6	0.0	2.0	89.6
Meacham's MX-15Y	145.7	20.8	0.0	0.0	85.4
P.A.G. SX99	139.3	21.1	4.4	6.7	92.7
Ky. 105	115.2	21.4	7.4	9.9	94.8
Yellow Average	132.6	18.0	0.6	7.9	91.2
White					
Schenk's S-96W	125.1	19.5	0.0	9.6	95.8
W. O. King K-60	121.3	20.4	0.0	8.3	89.6
Ky. 5921W	122.2	20.5	0.0	5.5	90.6
Stull's 500W	124.3	20.5	0.0	13.5	100.0
S. S. 935W	128.4	20.6	0.0	10.9	85.4
G. Ac. M-20-W	101.9	21.2	2.3	3.5	87.5
Meacham's MX-50W	126.5	21.5	0.0	4.8	84.4
Princeton 990B	124.0	21.7	0.0	5.7	88.5
Princeton 920A	145.6	22.0	5.1	3.4	84.4
Stull's 800W	163.1	22.4	0.0	7.6	94.8
Dekalb XL390W	120.0	22.6	1.0	6.8	93.7
Funk's G5830W	116.5	22.9	0.0	13.0	82.3
Pioneer 511A	123.2	22.9	1.1	12.0	94.8
P.A.G. SX80W	144.6	25.2	0.0	0.0	84.4
Funk's 23441W	133.0	26.7	0.0	3.3	90.6
White Average	128.0	22.0	0.6	7.2	89.8
Grand Average	131.5	20.0	0.6	7.6	90.5

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Table 15. Two-Year Summary, Normal Population, Franklin, Ky. (1968-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	103.9	12.8	0.6	5.1	80.7
Dekalb XL45	106.5	13.8	0.0	4.7	86.5
P.A.G. SX29	100.3	13.9	0.0	10.3	81.8
S. S. 720	105.3	14.2	2.8	7.3	91.1
Dekalb XL66	113.3	14.3	0.0	2.9	87.0
Stull's 727SX	96.2	14.4	0.0	5.4	75.5
Funk's G4595	91.8	14.4	1.3	8.9	84.4
Princeton SX803	109.7	14.5	0.0	5.1	83.9
Ky. 105	81.5	14.6	1.0	16.8	81.8
Schenk's SS-77A	89.0	14.6	2.9	7.8	85.9
Pioneer 3564	107.3	14.7	0.0	2.6	82.3
Pioneer 3306	102.9	14.8	0.0	5.3	86.5
Stew. Card. SX47	113.6	14.8	3.1	5.4	86.5
Pioneer 3196	96.3	15.2	0.0	11.8	87.0
Meacham's MX-10Y	115.4	15.4	1.0	7.0	96.9
G. Ac. E-20-Y-A	101.1	15.4	1.9	12.8	81.2
S. S. 820S	106.6	15.4	2.9	8.1	90.1
Pioneer 3308	110.5	15.5	0.0	5.5	84.4
Schenk's SS-75A	106.4	15.5	0.0	14.3	85.9
Funk's G4697	100.0	15.7	0.0	5.8	80.2
Pioneer 3369A	118.0	15.7	0.0	4.6	81.2
S. S. 860	99.8	15.7	2.0	9.8	80.2
Princeton SX804	92.6	16.1	4.6	10.0	83.3
Stull's 720SX	100.5	16.2	1.0	3.6	91.1
Trojan C. F. 66	110.7	16.4	0.6	4.6	89.1
Trojan C. F. 105	99.8	16.4	0.0	8.3	91.1
Funk's G4761	99.4	16.5	2.2	3.8	94.8
Stull's 807A SX	114.7	16.5	1.3	6.0	85.9
Funk's G5757	102.1	16.6	1.2	5.3	89.6
Dekalb XL85	107.5	16.9	1.2	5.5	87.0
P.A.G. SX99	82.9	18.5	2.3	13.2	78.1
Yellow Average	102.8	15.3	1.1	7.4	85.5

Table 15. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
White					
G. Ac. M-20-W	93.2	14.8	2.5	12.0	88.5
P.A.G. SX80W	92.1	14.8	2.1	6.3	89.1
Ky. 5921W	106.1	14.9	3.5	7.6	92.2
Stull's 500W	108.1	15.0	1.7	9.5	87.5
W. O. King K-60	99.6	15.2	2.3	12.9	84.4
Princeton 990B	94.0	15.8	5.2	11.3	80.2
Schenk's S-96W	92.9	15.8	0.0	12.2	84.9
S. S. 935W	101.6	15.9	2.2	5.4	91.7
Princeton 920A	97.5	16.0	1.8	10.1	83.3
Pioneer 511A	91.1	16.5	3.9	11.2	84.9
Funk's G5830W	78.0	16.9	2.3	7.6	83.3
Dekalb XL390W	96.9	17.0	7.1	17.8	84.9
Stull's 800W	75.0	17.0	3.5	9.9	87.0
Meacham's MX-50W	85.6	17.1	4.2	6.5	83.9
White Average	93.7	15.9	3.1	10.1	86.1
Grand Average	98.2	15.6	2.1	8.7	85.5

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Table 8. Three-Year Summary, Normal Population, Princeton, Ky. (1967-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
Stew. Card. SX47	118.5	18.8	0.2	6.3	97.9
Schenk's SS-77A	110.7	19.0	0.0	8.0	93.7
S. S. 820S	126.0	19.2	0.9	6.2	94.6
Princeton SX803	109.2	19.4	0.0	7.7	91.7
Pioneer 3196	125.6	19.4	0.3	7.6	92.3
Pioneer 3306	122.1	19.5	0.0	8.1	92.2
G. Ac. E-20-Y-A	106.6	19.8	0.0	8.9	85.2
Trojan C. F. 105	133.0	19.9	0.5	7.7	99.3
Ky. 105	108.5	19.9	0.0	11.3	87.8
Princeton SX804	114.9	20.1	0.0	7.5	89.6
Stull's 807A SX	113.2	20.3	0.6	5.3	91.8
S. S. 860	109.1	20.3	0.0	13.2	92.5
Trojan C. F. 66	123.9	20.5	0.0	6.3	91.2
Yellow Average	117.0	19.7	0.2	8.0	92.3
White					
S. S. 935W	127.5	20.6	0.2	10.9	94.9
Schenk's S-96W	122.4	20.7	0.2	8.1	92.8
G. Ac. M-20-W	125.7	21.0	0.9	11.5	91.2
Princeton 920A	110.7	22.0	0.0	8.8	92.8
Ky. 5921W	119.7	22.1	0.0	9.2	90.8
Stull's 800W	112.5	22.5	0.0	11.6	74.2
White Average	119.7	21.5	0.2	10.0	89.5
Grand Average	118.4	20.6	0.2	9.5	90.9

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Table 9. Annual Summary, Normal Population, Henderson, Ky.

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
Trojan M-114	163.5	15.2	0.0	7.3	99.0
Pioneer 3564	161.0	15.7	0.0	2.3	89.6
S. S. 720	134.4	15.7	1.1	4.8	90.6
Trojan C. F. 105	154.0	15.8	0.0	3.1	100.0
Pioneer 3516	166.8	15.8	0.0	2.0	100.0
Princeton SX803	167.3	15.9	0.0	1.0	91.7
P.A.G. SX31	126.1	16.0	0.0	6.0	83.3
Funk's G4333	148.0	16.0	2.0	3.2	95.8
P.A.G. SX53	148.2	16.1	0.0	1.1	96.9
S. S. 750	169.9	16.1	0.0	11.1	92.7
Trojan Exp. 2650	193.2	16.1	2.0	1.1	95.8
Stew. Card. Exp SX85	116.2	16.2	0.0	33.5	96.9
Migro M-750	158.9	16.3	8.5	3.1	96.9
Dekalb XL45A	146.7	16.3	0.0	4.5	94.8
G. Ac. Cashmaker	156.1	16.4	0.0	3.1	96.9
Dekalb XL82	140.2	16.4	0.0	4.0	79.2
P.A.G. 399	146.4	16.4	0.0	5.9	89.6
Pioneer 3369A	197.2	16.4	1.0	2.0	94.8
Pioneer 3306	176.7	16.6	0.0	3.2	96.9
P.A.G. SX29	157.0	16.7	0.0	1.1	87.5
Pioneer 3196	183.2	16.8	0.0	4.4	94.8
Ky. 105	127.5	17.0	0.0	9.5	91.7
Dekalb XL45	144.8	17.0	3.1	1.0	88.5
Stew Card. SX47	160.3	17.0	2.1	2.1	94.8
Excel E-71X	156.7	17.1	1.2	7.5	93.7
S. S. 820S	168.0	17.1	3.4	4.2	95.8
Schenk's SS-77A	135.8	17.1	0.0	2.3	93.7
P.A.G. 437	164.9	17.3	1.0	6.5	94.8
Migro M-44-SX	169.2	17.3	4.4	1.0	95.8
Meacham's MX-10Y	177.3	17.3	2.0	1.0	99.0
Trojan C. F. 66	154.4	17.4	0.0	1.2	87.5
Funk's G4595	137.8	17.4	3.4	1.1	85.4
S. S. 860	140.6	17.5	2.2	3.4	89.6
Stull's 720SX	168.5	17.8	1.0	4.4	93.7
Schenk's SS-75A	168.8	17.9	0.0	4.4	92.7
S. S. 865	164.9	17.9	1.1	2.3	88.5

Table 9. (continued)

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
Stull's 727SX	178.3	18.0	2.2	0.0	95.8
Pioneer 3308	167.7	18.0	0.0	4.4	93.8
G. Ac. E-20-Y-A	146.2	18.0	0.0	2.2	89.6
Princeton SX804	171.0	18.1	2.1	4.2	97.9
Stull's 807A SX	162.8	18.2	0.0	2.3	90.6
Dekalb XL66	152.5	18.3	0.0	3.4	93.7
G. Ac. Exp. 6916	191.6	18.5	0.0	1.0	100.0
Funk's G5757	159.6	18.7	0.0	1.1	85.4
Dekalb XL85	183.5	19.3	0.0	5.2	99.0
Funk's G4697	152.4	19.5	2.3	0.0	83.3
Funk's G4761	179.9	20.4	0.0	2.1	96.9
Meacham's MX-15Y	170.9	20.5	0.0	2.2	92.7
P.A.G. SX99	180.6	22.9	1.1	2.2	91.7
<u>Yellow Average</u>	160.2	17.3	1.0	3.9	93.0
<u>White</u>					
Stull's 500W	167.1	18.0	0.0	10.7	96.9
W.O. King K-60	173.6	18.7	8.4	3.1	94.8
Schenk's S-96W	154.6	18.7	2.1	8.5	96.9
Ky. 5921W	158.6	19.2	2.3	4.9	85.4
G. Ac. M-20-W	152.5	19.2	0.0	4.8	84.4
S. S. 935W	172.1	19.6	1.0	8.5	96.9
Princeton 920A	171.0	19.6	0.0	6.2	95.8
P.A.G. SX80W	163.4	19.8	2.2	1.1	90.6
Princeton 990B	167.7	19.9	0.0	13.3	93.7
Meacham's MX-50W	146.6	20.9	4.3	12.5	91.7
Stull's 800W	170.7	22.2	0.0	2.3	92.7
Pioneer 511A	162.8	22.3	5.2	14.1	96.9
Dekalb XL390W	173.9	23.1	5.2	2.1	93.7
Funk's G5830W	141.5	24.5	2.3	5.8	88.5
Funk's 23441W	178.2	26.8	6.4	5.7	90.6
<u>White Average</u>	163.6	20.8	2.6	6.9	92.6
<u>Grand Average</u>	161.0	19.0	1.8	5.4	92.8

Table 14. Annual Summary, Normal Population, Franklin, Ky.

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
Funk's G4333	89.5	10.9	0.0	10.7	84.4
P.A.G. SX29	93.7	10.9	0.0	15.6	80.2
P.A.G. SX31	92.1	11.0	0.0	7.4	84.4
Dekalb XL45A	89.4	11.0	0.0	2.3	87.5
P.A.G. SX53	110.1	11.0	0.0	5.8	87.5
P.A.G. 399	84.8	11.2	0.0	13.3	86.5
Pioneer 3516	102.0	11.2	0.0	9.1	91.7
Stull's 727SX	93.0	11.3	0.0	7.4	83.3
Schenk's SS-77A	79.8	11.5	2.3	9.7	83.3
Dekalb XL45	91.6	11.5	0.0	6.0	84.4
Trojan M-114	101.8	11.7	2.2	12.8	89.6
S. S. 720	93.8	11.8	2.0	6.2	97.9
S. S. 865	86.7	11.9	4.1	22.5	96.9
Ky. 105	74.1	11.9	2.0	23.1	93.7
Princeton SX803	85.6	12.1	0.0	7.9	85.4
Pioneer 3308	93.7	12.1	0.0	11.0	94.8
Dekalb XL82	94.4	12.2	0.0	11.1	84.4
Trojan Exp. 2650	84.9	12.3	2.6	9.8	85.4
Pioneer 3306	101.9	12.3	0.0	8.4	84.4
Stew. Card. SX47	84.4	12.4	6.3	9.7	82.3
G. Ac. Cashmaker	80.8	12.5	0.0	8.7	82.3
S. S. 820S	94.7	12.5	2.4	10.4	93.7
Funk's G4595	77.9	12.6	0.0	16.7	89.6
Dekalb XL66	95.4	12.7	0.0	4.6	84.4
Pioneer 3369A	100.8	12.7	0.0	6.2	91.7
Stew. Card. Exp SX85	86.4	12.8	0.0	20.8	93.7
Pioneer 3196	74.6	12.9	0.0	12.8	87.5
Excel E-71X	97.7	12.9	0.0	18.2	91.7
Migro M-750	97.7	13.0	2.2	19.2	91.7
Migro M-44-SX	88.1	13.0	0.0	5.8	90.6
G. Ac. E-20-Y-A	92.6	13.0	2.4	18.8	78.1
Meacham's MX-10Y	91.0	13.2	0.0	8.5	97.9
Trojan C. F. 66	99.3	13.2	1.1	4.5	89.6
S. S. 750	84.9	13.3	0.0	5.8	83.3
Funk's G4761	81.0	13.3	2.3	4.4	94.8

Table 14. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Princeton SX804	69.0	13.4	5.0	18.9	86.5
Funk's G4697	85.1	13.5	0.0	9.1	79.2
Stull's 720SX	87.9	13.6	2.1	3.2	95.8
Pioneer 3564	99.3	13.6	0.0	3.8	89.6
Schenk's SS-75A	86.3	13.6	0.0	22.3	87.5
S. S. 860	97.7	13.8	1.1	11.5	90.6
P.A.G. 437	88.5	13.9	2.2	42.5	92.7
G. Ac. Exp. 6916	115.5	14.1	0.0	7.6	92.7
Trojan C. F. 105	73.9	14.3	0.0	13.2	96.9
Funk's G5757	94.3	14.4	1.2	7.1	90.6
Stull's 807A SX	84.2	14.7	2.6	9.8	84.4
Dekalb XL85	95.9	14.9	0.0	8.6	95.8
Meacham's MX-15Y	82.8	15.1	0.0	3.8	76.0
P.A.G. SX99	59.2	16.0	4.7	21.2	86.5
<u>Yellow Average</u>	89.6	12.8	1.0	11.4	88.4
<u>White</u>					
G. Ac. M-20-W	77.3	11.7	3.8	11.9	86.5
Stull's 500W	90.2	12.2	3.5	12.0	86.5
W. O. King K-60	69.9	12.3	3.5	17.1	85.4
Ky. 5921W	79.9	12.4	4.3	9.7	96.9
Schenk's S-96W	86.2	13.0	0.0	13.2	94.8
Princeton 920A	80.1	13.4	1.1	14.3	91.7
Princeton 990B	85.8	13.4	5.0	8.6	83.3
P.A.G. SX80W	68.3	13.4	2.0	5.8	85.4
S. S. 935W	95.8	13.5	4.4	7.5	95.8
Meacham's MX-50W	62.6	13.7	4.3	8.8	89.6
Pioneer 511A	77.7	14.0	2.5	16.8	92.7
Dekalb XL390W	72.5	14.2	10.7	25.8	86.5
Funk's G5830W	50.3	14.5	3.4	11.4	83.3
Stull's 800W	58.9	14.9	3.4	13.6	90.6
Funk's 23441W	69.0	16.3	4.3	17.5	94.8
<u>White Average</u>	75.0	13.5	3.8	12.9	89.6
<u>Grand Average</u>	86.2	13.2	2.4	12.2	89.0

Table 13. Three-Year Summary, Normal Population, Hartford, Kentucky (1967-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
S. S. 860	115.1	19.9	2.5	6.9	87.4
Stew. Gard. SX47	125.1	19.9	0.3	7.3	87.6
Princeton SX803	107.6	20.1	0.0	15.7	89.1
Schenk's SS-77A	104.3	20.3	0.3	12.2	90.4
Trojan C. F. 105	125.3	20.6	0.4	4.3	90.5
Pioneer 3306	129.3	20.7	0.0	4.1	94.5
S. S. 820S	124.8	20.7	0.0	6.3	92.0
Ky. 105	118.2	20.7	0.3	5.6	89.1
Pioneer 3196	130.0	21.0	0.0	2.6	92.5
Stull's 807A SX	128.3	21.2	0.3	6.5	89.3
Trojan C. F. 66	127.3	21.2	0.0	9.5	93.1
G. Ac. E-20-Y-A	126.3	21.4	0.3	7.8	93.7
Princeton SX804	129.6	22.3	3.0	7.2	89.8
Yellow Average	122.4	20.8	0.6	7.4	90.7
<u>White</u>					
Schenk's S-96W	117.6	21.1	0.0	7.9	94.7
S. S. 935W	130.9	21.4	1.0	9.2	88.2
G. Ac. M-20-W	132.4	21.6	3.8	8.7	94.2
Ky. 5921W	123.2	21.7	2.9	7.7	91.5
Stull's 800W	116.7	23.8	4.0	4.3	86.0
Princeton 920A	121.2	24.0	0.0	6.9	91.5
White Average	123.7	22.3	1.9	7.5	91.0
Grand Average	123.0	21.6	1.3	7.5	90.8

Table 10. Two-Year Summary, Normal Population, Henderson, Ky. (1968-69)

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
<u>Yellow</u>					
P.A.G. SX31	112.8	16.4	0.6	5.6	74.5
Pioneer 3564	131.2	16.5	0.0	1.1	84.4
S. S. 720	125.7	16.8	0.5	12.2	92.7
P.A.G. SX29	133.2	17.1	0.0	5.2	84.4
Princeton SX803	138.6	17.3	0.0	1.9	82.8
Dekalb XL45	111.9	17.3	1.5	6.3	83.9
Stull's 727SX	135.1	17.4	1.1	9.9	76.0
Ky. 105	112.8	17.7	0.0	11.9	81.2
Stew Card. SX47	137.4	17.7	1.7	1.7	78.1
S. S. 820S	139.1	17.9	1.7	2.7	85.9
Schenk's SS-77A	115.8	17.9	0.0	4.2	83.3
Trojan C. F. 105	130.1	18.1	0.0	2.8	87.5
S. S. 860	128.2	18.1	1.1	6.4	87.5
Pioneer 3306	143.9	18.2	0.0	1.6	80.7
Pioneer 3369A	162.8	18.2	0.5	1.0	89.6
Funk's G4595	126.3	18.3	1.7	0.5	83.9
Schenk's SS-75A	137.3	18.3	0.0	6.7	85.9
Dekalb XL66	135.7	18.5	0.0	1.7	87.0
Pioneer 3196	164.1	18.7	0.0	2.2	87.0
Trojan C. F. 66	132.1	18.7	0.0	2.2	80.2
Meacham's MX-10Y	143.3	18.8	1.0	2.4	90.6
Stull's 807A SX	141.4	19.0	0.0	1.9	84.4
Stull's 720SX	137.1	19.0	0.5	2.2	81.2
Pioneer 3308	146.7	19.2	0.0	2.2	80.2
Princeton SX804	149.6	19.3	1.0	3.6	79.7
Funk's G4697	118.3	19.6	1.1	1.7	69.8
G. A. E-20-Y-A	129.4	19.7	0.0	2.3	83.3
Funk's G5757	132.0	19.7	0.0	2.2	82.8
Dekalb XL85	152.2	20.0	0.0	3.3	83.9
Funk's G4761	144.8	21.2	0.0	1.1	92.2
P.A.G. SX99	140.9	22.4	0.5	3.1	84.9
Yellow Average	135.2	18.5	0.4	3.7	83.5

Table 10. (continued)

Hybrid	Yield Bu/A	Avg % Moist.	% Root Lodged	% Stalk Lodged	Average % Stand
<u>White</u>					
Schenk's S-96W	146.6	19.1	1.0	6.6	92.2
Stull's 500W	145.2	19.1	0.0	7.4	83.9
S. S. 935W	150.5	19.4	0.5	7.6	87.5
W.O. King K-60	145.8	19.5	4.2	5.6	80.2
G. Ac. M-20-W	142.5	19.6	0.0	6.3	83.9
Princeton 920A	144.3	19.8	0.0	3.7	84.4
Ky. 5921W	134.9	19.8	1.1	4.3	75.5
P.A.G. SX80W	140.6	20.2	1.1	5.0	83.9
Princeton 990B	146.4	20.4	0.0	10.2	90.1
Meacham's MX-50W	131.5	20.9	2.1	8.0	88.0
Pioneer 511A	141.5	21.9	2.6	9.4	82.3
Stull's 800W	136.1	22.1	0.0	1.1	77.6
Dekalb XL390W	152.2	22.4	2.6	3.4	90.1
Funk's G5830W	119.8	23.1	1.1	7.6	79.2
White Average	141.3	20.5	1.1	6.2	84.2
Grand Average	138.2	19.5	0.8	5.0	83.8

Table 11. Annual Summary, Normal Population, Hartford, Ky.

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	135.8	14.9	0.0	3.7	87.5
Trojan M-114	124.0	15.2	2.1	6.4	90.6
Dekalb XL45	126.7	15.4	0.0	6.4	91.7
Dekalb XL45A	116.2	15.4	0.0	10.9	94.8
P.A.G. SX29	130.5	15.5	0.0	9.7	91.7
Funk's G4333	125.7	15.5	0.0	10.5	88.5
Stull's 727SX	131.1	15.6	0.0	12.8	94.8
Pioneer 3564	128.8	15.7	1.0	5.5	94.8
Stew Card. Exp SX85	111.2	15.8	1.1	14.2	90.6
S. S. 865	109.7	15.8	0.0	10.7	95.8
Pioneer 3516	148.5	16.1	0.0	4.2	99.0
Pioneer 3306	139.5	16.2	0.0	9.4	99.0
P.A.G. SX53	166.1	16.3	0.0	4.2	99.0
Trojan Exp. 2650	130.9	16.5	1.0	2.1	95.8
S. S. 720	125.4	16.5	0.0	3.3	97.9
Schenk's SS-77A	106.4	16.7	0.0	9.2	88.5
P.A.G. 437	123.6	16.7	0.0	9.0	92.7
Princeton SX803	121.3	16.7	0.0	22.1	93.7
P.A.G. 399	130.8	16.8	0.0	9.0	92.7
Stew. Card. SX47	144.2	16.9	1.1	7.9	94.8
Ky. 105	121.5	16.9	0.0	9.4	99.0
Pioneer 3196	116.5	17.1	0.0	3.3	94.8
G. Ac. Cashmaker	134.9	17.4	0.0	1.2	93.7
Dekalb XL82	132.2	17.6	0.0	1.1	90.6
Trojan C. F. 105	141.4	17.9	0.0	4.2	99.0
Stull's 807A SX	134.7	17.9	1.2	3.5	87.5
Migro M-750	125.9	18.1	0.0	4.5	90.6
S. S. 860	140.0	18.1	4.3	3.2	97.9
Funk's G4761	111.4	18.2	1.1	3.3	93.7
Meacham's MX-10Y	129.1	18.3	0.0	3.3	94.8
S. S. 820S	135.5	18.4	0.0	9.5	95.8
Funk's G4595	129.3	18.4	0.0	3.4	87.5
S. S. 750	113.7	18.7	0.0	7.6	94.8
Migro M-44-SX	114.1	18.7	0.0	5.2	94.8
Pioneer 3308	154.1	18.8	0.0	2.2	97.9

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Table 11. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Pioneer 3369A	178.5	18.9	2.3	0.0	94.8
Trojan C. F. 66	137.7	19.0	0.0	13.6	91.7
G. Ac. E-20-Y-A	134.5	19.0	0.0	7.5	95.8
Schenk's SS-75A	135.7	19.1	0.0	22.4	97.9
Dekalb XL66	148.1	19.3	1.0	7.4	97.9
Princeton SX804	139.6	19.3	2.2	11.9	89.6
Stull's 720SX	115.9	19.4	0.0	13.1	94.8
G. Ac. Exp. 6916	149.5	19.5	0.0	4.4	95.8
Excel E-71X	144.3	19.7	3.8	5.7	88.5
Funk's G4697	132.5	20.4	0.0	4.8	85.4
Funk's G5757	149.7	20.9	3.3	2.2	93.8
Dekalb XL85	160.4	21.8	0.0	13.7	99.0
Meacham's MX-15Y	133.8	21.9	0.0	8.1	91.7
P.A.G. SX99	141.2	22.0	0.0	5.3	97.9
Yellow Average	132.9	17.8	0.5	7.3	93.9
White					
Schenk's S-96W	118.8	17.0	0.0	7.6	95.8
Stull's 500W	121.5	17.4	0.0	14.4	88.5
Ky. 5921W	120.3	17.5	2.3	14.0	90.6
S. S. 935W	138.4	17.5	0.0	8.3	99.0
Stull's 800W	113.6	17.8	0.0	6.6	95.8
W. O. King K-60	140.9	18.7	0.0	9.2	90.6
G. Ac. M-20-W	134.6	19.3	0.0	5.3	96.9
Dekalb XL390W	130.1	19.5	0.0	11.8	94.8
Funk's G5830W	96.4	19.7	0.0	12.6	84.4
Meacham's MX-50W	134.5	20.0	1.1	11.2	90.6
Princeton 990B	145.3	20.4	3.1	21.6	97.9
P.A.G. SX80W	158.7	21.6	0.0	3.3	92.7
Funk's 23441W	107.8	22.4	0.0	12.2	87.5
Princeton 920A	125.4	22.4	0.0	8.7	96.9
Pioneer 511A	151.0	23.8	0.0	4.6	93.7
White Average	129.2	19.7	0.4	10.1	93.1
Grand Average	132.0	18.8	0.5	8.7	93.5

Table 12. Two-Year Summary, Normal Population, Hartford, Ky. (1968-69)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
Yellow					
P.A.G. SX31	127.7	16.7	1.2	3.5	87.5
P.A.G. SX29	126.8	17.9	0.0	8.3	91.1
Pioneer 3564	121.3	17.9	0.5	6.0	93.7
Stull's 727SX	123.2	18.0	0.0	7.6	88.5
Dekalb XL45	127.8	18.3	0.0	4.3	93.7
S. S. 720	121.7	18.7	0.0	7.1	97.4
Schenk's SS-77A	109.8	18.7	0.6	12.5	89.6
Princeton SX803	116.9	19.1	0.0	12.8	91.1
Stew. Card. SX47	138.3	19.1	0.5	5.7	92.7
Trojan C. F. 105	139.7	19.5	0.6	2.1	95.3
Pioneer 3306	134.1	19.6	0.0	5.3	92.7
Ky. 105	125.2	19.7	0.0	7.9	90.1
Stull's 807A SX	127.1	19.7	0.6	4.5	89.1
S. S. 820S	133.4	19.8	0.0	7.1	93.2
Pioneer 3196	130.2	19.9	0.0	2.7	92.2
S. S. 860	127.2	19.9	4.3	5.7	89.6
Trojan C. F. 66	135.7	20.1	0.0	11.9	92.2
Meacham's MX-10Y	130.6	20.3	0.0	3.7	95.8
Schenk's SS-75A	129.8	20.3	0.0	12.9	93.2
Funk's G4595	129.1	20.4	0.0	2.8	91.1
G. Ac. E-20-Y-A	131.0	20.4	0.5	6.1	93.2
Pioneer 3369A	171.9	20.5	1.1	0.0	92.7
Dekalb XL66	135.0	20.5	0.5	4.8	98.4
Pioneer 3308	144.6	20.7	0.0	3.3	95.3
Stull's 720SX	132.2	20.7	0.6	7.7	91.1
Princeton SX804	135.5	21.0	5.0	6.5	92.2
Funk's G4761	126.1	21.5	1.1	2.7	92.7
Funk's G4697	119.3	21.6	1.8	5.6	82.8
Funk's G5757	136.1	22.0	2.2	1.6	92.2
Dekalb XL85	158.0	23.0	0.0	7.9	95.3
P.A.G. SX99	133.8	23.6	2.7	2.6	96.9
Yellow Average	131.6	20.0	0.8	6.0	92.4

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Table 12. (continued)

Hybrid	Yield Bu/A	Avg % Moist	% Root Lodged	% Stalk Lodged	Average % Stand
White					
Schenk's S-96W	124.6	19.7	0.0	5.7	90.6
Stull's 500W	130.7	19.8	9.3	11.1	92.7
S. S. 935W	136.2	20.0	1.7	5.9	93.7
Ky. 5921W	122.3	20.1	4.8	8.9	89.1
G. Ac. M-20-W	137.3	20.9	6.4	6.9	96.9
W. O. King K-60	144.7	21.0	1.7	5.2	87.0
Stull's 800W	121.2	21.2	6.7	3.3	90.6
Meacham's MX-50W	124.1	21.2	5.6	11.4	89.1
Dekalb XL390W	134.6	21.5	4.8	7.6	90.1
Princeton 990B	134.7	22.0	8.8	14.0	89.1
Funk's G5830W	114.8	22.2	3.0	7.4	87.0
Princeton 920A	124.6	22.9	0.0	7.4	89.6
P.A.G. SX80W	143.9	23.6	0.0	3.8	85.4
Pioneer 511A	137.4	24.6	0.6	4.1	88.0
White Average	130.8	21.5	3.8	7.4	89.9
Grand Average	131.2	20.8	2.3	6.7	91.2