

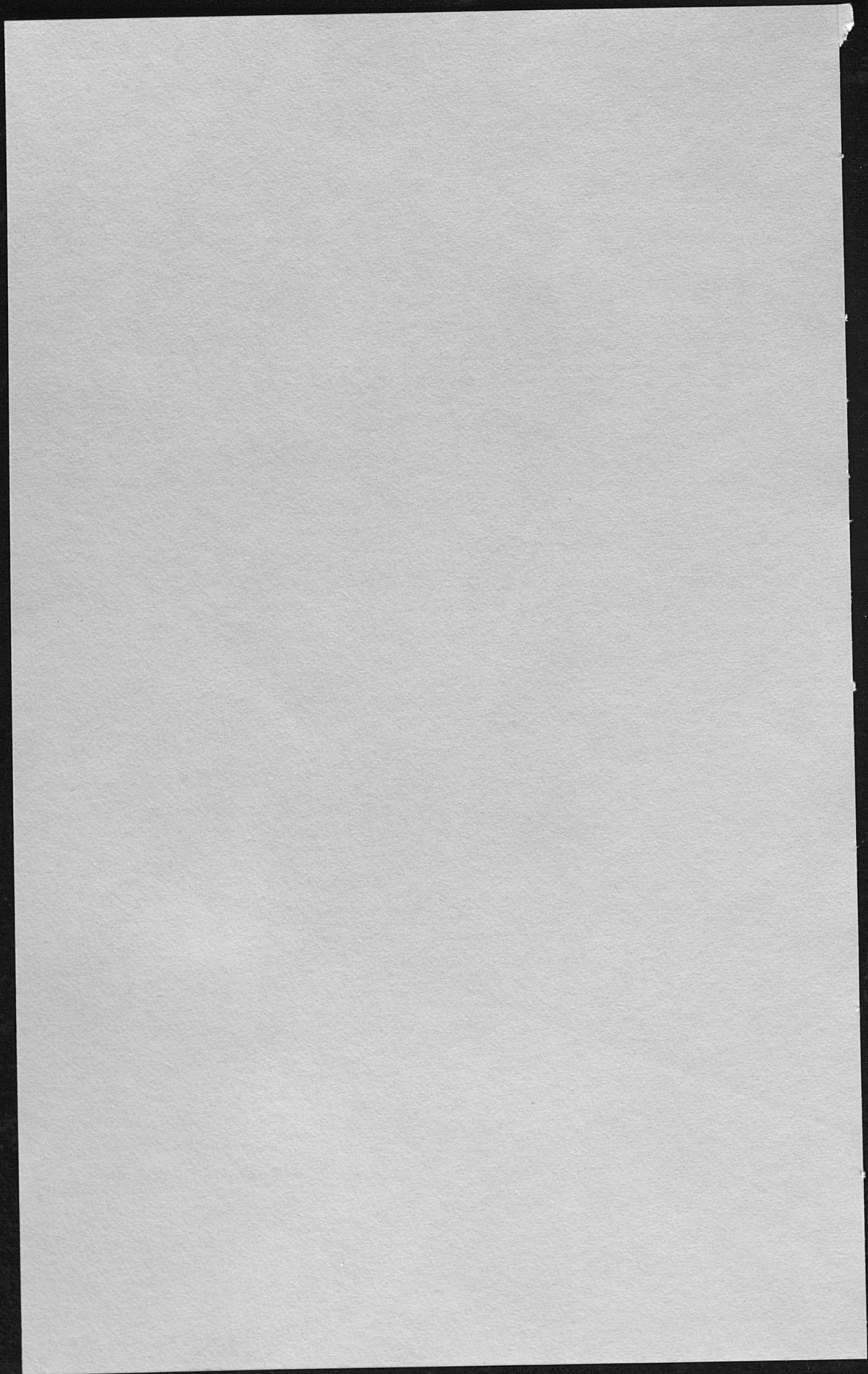
A high-contrast, black and white photograph of two ears of corn. The ears are positioned vertically, one above the other, and are rendered in a stark, almost graphic style. The kernels are clearly defined against the dark background, creating a strong rhythmic pattern. The lighting is dramatic, highlighting the texture of the corn.

# KENTUCKY HYBRID CORN PERFORMANCE TEST — 1976

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PROGRESS REPORT 226

UNIVERSITY OF KENTUCKY  
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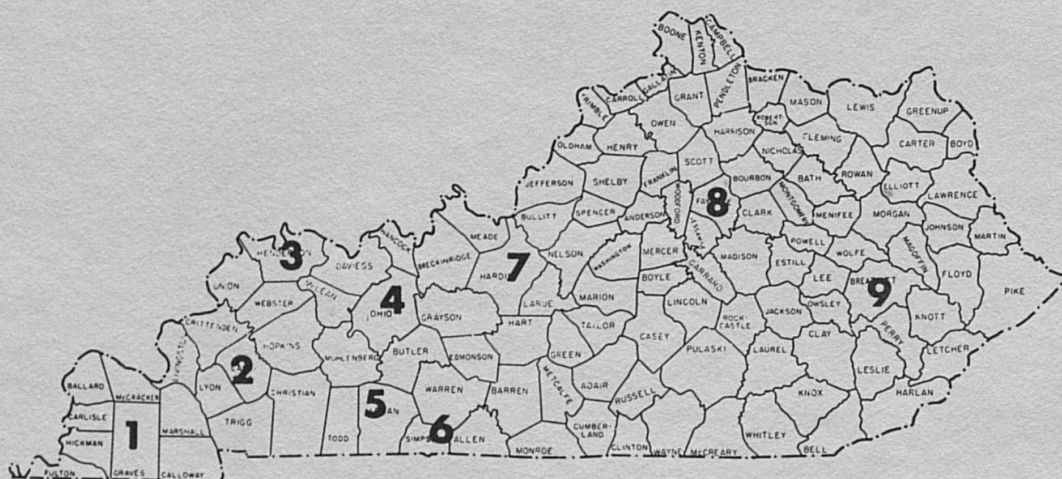




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# LOCATIONS OF THE 1976 KENTUCKY HYBRID CORN PERFORMANCE TEST



*(Locations identified in Table 2.)*

## ACKNOWLEDGMENTS

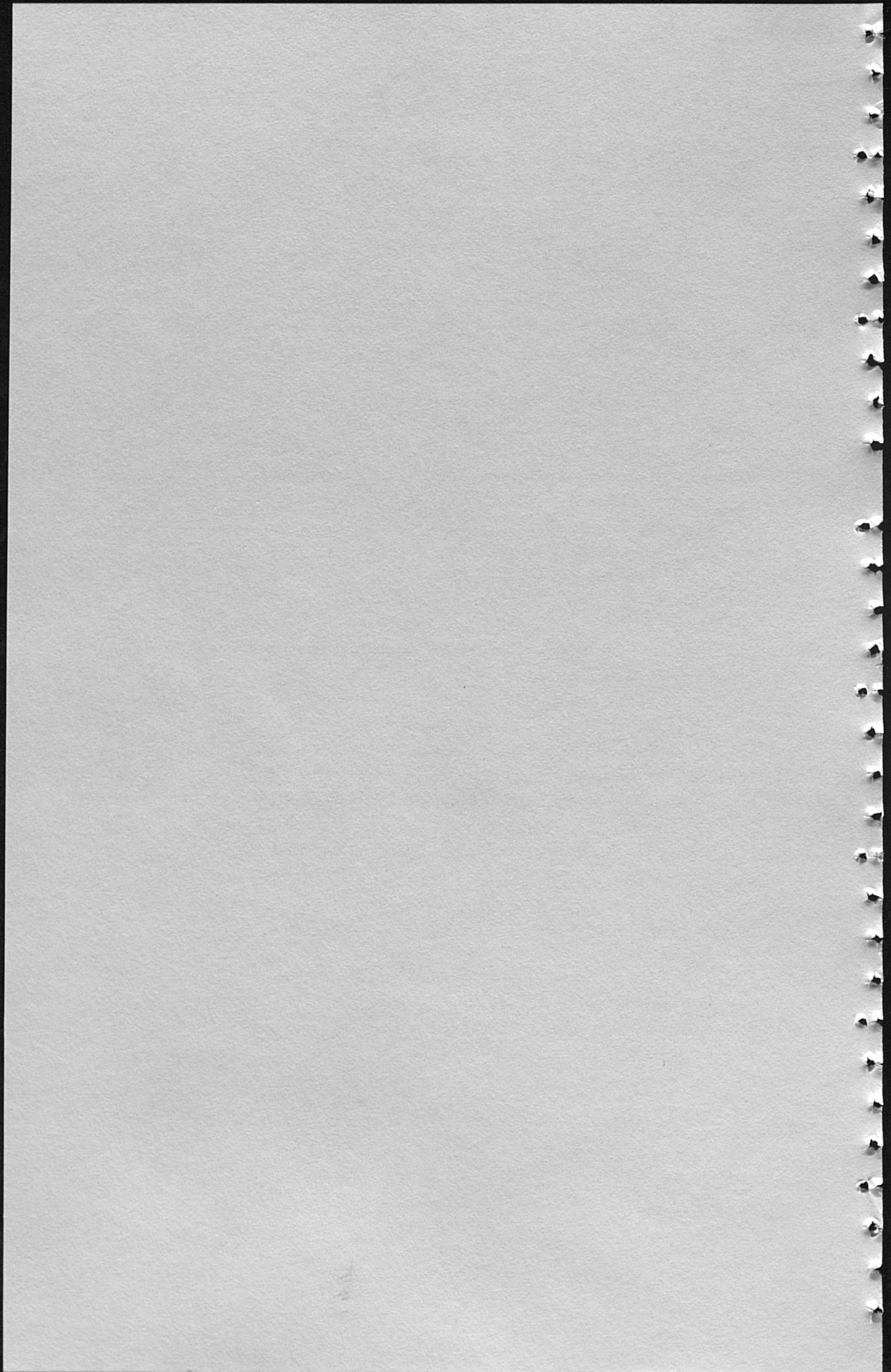
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# Kentucky Hybrid Corn Performance Test 1976

*By C.G. Poneleit and K.O. Evans*

The objective of the Kentucky Hybrid Corn Performance Test is to provide unbiased performance estimates of hybrid seed corn sold in Kentucky. Every effort has been made to conduct the test in an unbiased manner according to accepted agronomic practices.

## PRESENTATION OF DATA

Complete 1976 data are presented for each location where a test was conducted. Two-year and three-year averages are included in each of the single-location tables. Readers are encouraged to consider these multiple year averages and the averages over locations (Tables 10, 11, and 12) since these are better estimates of a hybrid's relative yield ability than data gathered at one location in one year.

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 do not provide a suitable comparison between a hybrid grown at one location and population with another hybrid grown at a different location and population.

The 1976 data for the Elizabethtown location (normal population, no-till) are not presented because of poor stands. The coefficient of variation (C.V.) was near 30%, compared with a normal C.V. of 8-12%, which would make comparison of yields very unreliable.

## TESTING PROCEDURE

### SELECTION OF HYBRIDS

The hybrids chosen for testing are those most likely to be available for sale in 1977. Seed of each commercial hybrid (Table 1) was obtained from dealer stocks in Kentucky whenever possible.

Those hybrids grown in the corn virus test and high population tests are indicated in column 2 of Table 1. The hybrid corn companies were asked to nominate those hybrids known to have virus resistance for inclusion in the virus test. Hybrids grown in the high population tests were also suggested by the parent company.

#### LOCATION OF TESTS

The map on page 4 shows the location for each test. The Lexington and Hartford locations had both normal and high population tests, while all other locations had only the normal population. The Russellville site was specifically chosen for the presence of corn virus.

#### CULTURAL PRACTICES

The seedbed at each location except Elizabethtown and Franklin was prepared by conventional tillage methods. Fertilizer was applied as indicated by soil tests. The tests at Elizabethtown and Franklin were both planted in a fescue sod, using recommended no-tillage practices. All test areas were treated with herbicide and supplemented by post-emergence cultivation when necessary. Furadan was applied in the row at planting. Table 2 shows the specific treatment for each location.

#### EXPERIMENTAL DESIGN

Uncontrollable variability of soil types, fertility, and other factors was sampled by using three replications of a lattice design. Yields presented in Tables 3 through 20 are adjusted for block and replication differences when shown applicable by statistical analyses.

The high population tests were planted as four replications of an 8 X 8 lattice in which plant densities were confounded with replications. These tests were designed to evaluate a new testing procedure that should provide more detailed information on hybrid responses to increased plant population. Since these tests are new and are being evaluated for usefulness in hybrid testing, only a portion of the results is presented. An estimate of the hybrid yields at 23,000 plants per acre, which is equally precise as previous years high population tests, is presented in Tables 13 and 17.



## PLANTING

All plots were planted with a two-row, no-till planter modified for small plot work. The planter boxes were replaced by special planting cones which allowed planting of a specified number of kernels per plot. Each plot consisted of two rows 38 inches apart and 22 feet long. Each normal population test was planted at the rate of 22,000 kernels per acre. Final stands were expected to be between 19,000 and 20,000 plants per acre if average stand losses occurred. The high population tests were planted at rates of 15,000, 20,000, 25,000, and 30,000 kernels per acre.

## HARVESTING

All plots were harvested with a tractor-mounted one-row picker-sheller. Both rows of each two-row plot were picked, shelled, and the grain collected in a metal container. The grain weight and moisture content of each plot were then measured with a portable scale and moisture meter. Yields were calculated and adjusted to No. 2 corn at 15.5% moisture. Dropped ears were not gleaned from the plots. The number of plants were recorded immediately prior to harvest.

## CORN VIRUS

Two corn virus diseases occur in Kentucky: maize dwarf virus (MDM) and maize chlorotic dwarf virus (MCD). Both overwinter in Johnsongrass, and both are generally present as a virus complex. For this reason, the Russellville, Ky. test (Tables 18-20) is called the "corn virus test" with the understanding that resistance to both maize dwarf mosaic and maize chlorotic dwarf virus is being evaluated.

The evaluation of virus resistance in the 1976 test was not so effective as in past years. Very few virus symptoms were observed in the test plants, and susceptible check hybrids had little yield reduction. No visual ratings of virus symptoms were made because of the low rate of infection. Since the hybrids in the test are those being sold by the companies for use in virus areas, the 1976 corn virus test should be considered as an evaluation of yield potential with only mild pressure from the virus diseases.

TABLE 1.—HYBRIDS TESTED IN 1976

HYBRID	TEST*	COLOR	CROSS**	SOURCE OF HYBRID
A.C.C.O	UC9451	AB	Yellow 2X	ACCO Seed, Div. of Anderson, Clayton & Co. P.O.Box 9 Belmond, Ia.50421
Adlers	62X	BC	Yellow 2X	Adlers Seeds Inc. Route # 1 Sharpsville, Ind.46068
	66X	C	Yellow 2X	
	87X	AC	Yellow 2X	
Asgrow	RX90	A	Yellow 2X	Asgrow Seed Co. Des Moines, Ia. 50310
	RX95W	A	White 2X	
	RX100	B	Yellow 2X	
Bo-Jac	X7L	B	Yellow 2X	Bo-Jac Hybrid Corn Co. Route # 2 Mt. Pulaski, Ill. 62548
	X52A	C	Yellow 2X	
	X56	B	Yellow 2X	
	X57	B	Yellow 2X	
	X83	AC	Yellow 2X	
	X91	A	Yellow 2X(Mod)	
	X622A	B	Yellow 2X	
Coker	16	AB	Yellow 2X(Mod)	Cokers Pedigreed Seed Co. P.O.Box 340 Hartsville, S.C.29550
	18	AC	Yellow 2X	
	56	C	Yellow 4X	
DeKalb	XL65A	B	Yellow 2X(Mod)	DeKalb Agr. Research Inc. DeKalb, Ill. 60015
	XL72AA	AB	Yellow 2X	
	XL72B	ABC	Yellow 2X	
	XL78	AB	Yellow 2X	
	XL80	A	Yellow 2X	
	XL372	A	Yellow 3X	
	XL390A	A	White 3X	
	XL394	C	Yellow 3X	
Dennis	DS37	A	Yellow 2X	Dennis Hybrid Corp. P.O.Box 487 Windfall, Ind.46074
Dewine	D-5500	B	Yellow 2X	Dewine Seed Co. P.O.Box 68, Yellow Springs, Ohio 45387
Funk's	G-4507	AB	Yellow 2X	Funk Seeds Internat'l, Inc. 1300 W. Washington Bloomington, Ill. 61701
	G-4520	AB	Yellow 2X	
	G-4525	ABC	Yellow 2X	
	G-4628	A	Yellow 2X	
	G-4737	B	Yellow 2X	
	G-4747W	AC	White SpX	
	G-4776	BC	Yellow SpX	
	G-4848	AC	Yellow 2X	
	Exp.26630	C	Yellow SpX	
	Exp.27792	C	Yellow SpX	

(Continued)



TABLE 1 (continued)

HYBRID	TEST	COLOR	CROSS**	SOURCE OF HYBRID
Golden-Acres	T-E 6968	AB	Yellow 2X	Taylor-Evans Seed Co. P.O.Box 68 Tulia, Tx.79088
	T-E 6992	AB	Yellow 2X	
	T-E 6999W	A	White 2X	
	T-E Binmaster	C	Yellow 4X	
	T-E M20W	C	White 4X	
Golden Harvest	H2650	AB	Yellow 2X	Columbiana Seed Co. Eldred, Ill.62027
	H2660W	AC	White 2X	
	H2666	AB	Yellow 2X	
	H2740A	C	Yellow SpX	
	XC8014	C	Yellow SpX	
Golden Hybrids	SX104	A	Yellow 2X	Williams Grain Co. P.O.Box 147, Goldengate, Ill.62843
Gutwein	72	C	Yellow 2X	Fred Gutwein & Sons, Inc. Route # 1, Box 40 Francesville, Ind.47946
	86	A	Yellow 2X	
	88A	A	Yellow 2X	
Hulting	X770	BC	Yellow 2X	Hulting Hybrids, Div. of Ferry Morse Seeds Box 24 Geneseo, Ill. 61254
	X880	ABC	Yellow 2X	
	X980	ABC	Yellow 2X	
	X990	BC	Yellow 2X	
	Exp.74174	C	Yellow 2X	
Mason	5850	A	White 2X	Mason Hybrid Corn Co., Inc. 1017 W. Main St. P.O.Box 4 Princeton, Ky.42445
	7766	B	Yellow 2X	
	8869	A	Yellow 2X	
	9998	C	Yellow SpX	
McNair	X170	A	Yellow 2X	McNair Seed Co. P.O.Box 706 Laurinburg, N.C.28352
	X194	A	Yellow 2X	
	X233	C	White 2X	
Migro	M-600	C	Yellow 2X	Migro Hybrids P.O.Box 7 Mitchell, Ind.47446
	M-0601	B	Yellow 2X	
	M-5045	AC	Yellow 4X	
	M-6666	B	Yellow 2X	
	M-7072	AB	Yellow 2X	
	M-7074	AB	Yellow 2X	
	M-Exp.-3416	B	Yellow 2X	
Muncy Chief	H764	B	Yellow 4X	Muncy Chief Hybrids Market & High Streets Muncy, Pa.17756
	SX878	A	Yellow 2X	
	SX808B	A	Yellow 2X	

(Continued)

TABLE 1 (continued)

HYBRID		TEST	COLOR	CROSS**	SOURCE OF HYBRID
Northrup-King	PX65	B	Yellow	2X	Northrup-King & Co. 1500 Jackson St.N.W. Minneapolis, Minn. 55402
	PX74	AB	Yellow	2X	
	PX76	B	Yellow	2X	
	PX79	ABC	Yellow	2X	
	PX91	C	Yellow	2X	
	PX95	C	Yellow	2X	
	PX675	AB	Yellow	3X	
	PX715	C	Yellow	3X	
	PX718W	C	Yellow	3X	
	PX723	C	White	3X	
O's Gold	TX105A	C	Yellow	2X	O's Gold Seed Co. P.O.Box 460 Parkersburg, Ia. 50665
	SX5500	AC	Yellow	2X	
P.A.G.	SX17A	AC	Yellow	2X	P.A.G. Seeds Box 2187 Loop Station Minneapolis, Minn. 55402
	SX98	A	Yellow	2X	
	340	A	Yellow	2X	
	644W	AC	White	3X	
	7545	A	Yellow	3X	
Pioneer Brand	511A	A	White	4X	Pioneer Hi-Bred, Inc. 221 N. Main St. Tipton, Ind. 46072
	3145	BC	Yellow	2X(Mod)	
	3147	BC	Yellow	2X(Mod)	
	3161	A	Yellow	3X(Mod)	
	3179	C	Yellow	2X(Mod)	
	3184	A	Yellow	2X	
	3364	C	Yellow	2X(Mod)	
	3368A	A	Yellow	2X	
	3369A	AB	Yellow	2X(Mod)	
	3535	AB	Yellow	2X	
Premier	SX633	A	Yellow	2X	Premier Hybrids Route # 15, Box 223X Action, Ind.46259
	SX64L-I	B	Yellow	2X(Mod)	
	SX688	A	Yellow	2X	
	SX695-I	B	Yellow	2X(Mod)	
Princeton	SX840	C	Yellow	2X	Princeton Farms P.O.Box 319 Princeton, Ind.47670
	SX850	A	Yellow	2X	
	SX910	AC	White	2X	
	960	A	White	4X	
Ring Around	RA1502	B	Yellow	2X	Ring Around Products, Inc. Research Division P.O.Box 1629 Plainview, TX. 79072
	RA2502	A	Yellow	2X(Mod)	
	RA2601	C	Yellow	2X(Mod)	
	RA2602W	AC	White	2X(Mod)	
	SX2766	A	Yellow	2X(Mod)	
	RA3502	B	Yellow	3X	
	RA3602	C	Yellow	3X	
Security	SS112	A	Yellow	2X	Security Seed Co. P.O.Box 630 Williamsburg, Ia.52361
	SS115	B	Yellow	2X(Mod)	
	SS120	A	Yellow	2X(Mod)	
	SS120A	C	Yellow	2X(Mod)	
	SS125	C	Yellow	2X(Mod)	

(Continued)



TABLE 1 (continued)

HYBRID		TEST	COLOR	CROSS**	SOURCE OF HYBRID
Seed Kem	SKX66	B	Yellow	2X	Seed Kem, Inc. 526 N.W. Fourth St. Evansville, Ind.47701
	SKX68	C	Yellow	2X	
	SKX76	A	Yellow	2X	
	SK71AW	C	White	2X(Mod)	
	SKX86	AB	Yellow	2X	
	SKX9800	A	Yellow	2X	
S.S. Hybrids	86	A	Yellow	2X	S. S. Hybrids Camden, Ind.46917
	7100	A	Yellow	2X	
So. States	S.S.727	A	Yellow	2X	Southern States Coop, Inc. 2600 Durham St. Richmond, Va.23220
	S.S.750	B	Yellow	SpX	
	S.S.760	C	Yellow	2X	
	S.S.775	A	Yellow	2X	
	S.S.795P	A	Yellow	3X	
	S.S.950W	AC	White	3X	
Stewarts	SX52	B	Yellow	2X	Stewarts Hybrids Princeville, Ill 61559
	SX71K	AB	Yellow	2X	
	SX77	AB	Yellow	2X	
Super Crost	S67	B	Yellow	2X(Mod)	Edw. J. Funk & Sons, Inc. P.O.Box 67 Kentland, Ind.47951
	S85	B	Yellow	2X	
	5440	A	Yellow	2X	
	6880	AB	Yellow	2X	
	7772	B	Yellow	2X(Mod)	
Trojan	TXS113	AB	Yellow	2X	Trojan Seed Co. Box367 Windfall, Ind.46076
	TXS114	AB	Yellow	2X	
	TXS115A	AB	Yellow	2X	
	MDM.116	C	Yellow	2X	
	TXS119	A	Yellow	2X	
	TX119A	B	Yellow	3X	
Vorix	V2532	A	Yellow	2X	Vorix Seeds, Inc. Box 457 Windfall, Ind. 46076
	V2601	C	Yellow	2X	
	V2632	C	Yellow	2X	
	V2642	A	Yellow	2X	
Wilstar	6663	A	Yellow	2X	Helena Chemical Co. P.O. Box 641 Hopkinsville, Ky.42240
	7770	B	Yellow	2X	
	7774	A	Yellow	2X	
Zimmerman	Z11W	AC	White	2X	Zimmerman's Hybrids, Inc. Route # 2 Evansville, Ind.47712
	Z24Y	AB	Yellow	2X	
	Z52W	AC	White	3X	
K.A.E.S.	Ky 105	BC	Yellow	4X	Kentucky Agricultural Experiment Station University of Kentucky Lexington, Kentucky 40506
	Ky 5921W	C	White	4X	

\* A = Performance Test - Normal Population, B = Performance Test - High Population,  
C = Corn Virus Test - Normal Population.

\*\* 2X = Single Cross, 2X(Mod) = Modified Single Cross, 3X = Three-way Cross,  
4X = Double Cross, SpX = Special Cross.

TABLE 2.-AGRONOMIC INFORMATION PERTAINING TO 1976 TEST LOCATIONS

Location and Cooperator	Soil Type	Fertilizer lb/A	Herbicide	Insecticide	Planting Date	Harvest Date	Comments
(1) Mayfield, Ky. Berthal Johnson	Collins Silt Loam	N 172 P <sub>2</sub> O <sub>5</sub> 92 K <sub>2</sub> O 120	Aatrex and Eradicane	Furadan 15 lb/A	April 22	Oct. 1	
(2) Princeton, Ky. Western Ky. Substation	Huntington & Lindsides Silt Loam	N- 150 P <sub>2</sub> O <sub>5</sub> None K <sub>2</sub> O 60	Princep and Eradicane	Furadan 15 lb/A	April 28	Oct. 5	Johnsongrass Control Program S.W.Corn Borer
(3) Henderson, Ky. James McConathy	Wakeland Silt Loam	N 175 P <sub>2</sub> O <sub>5</sub> 92 K <sub>2</sub> O 120	Aatrex and Eradicane	Furadan 15 lb/A	April 27	Oct.13	
(4) Hartford, Ky. Dane Milligan	Melvin Silt Loam	N 200 P <sub>2</sub> O <sub>5</sub> 86 K <sub>2</sub> O 80	Aatrex and Sutan +	Furadan 15 lb/A	April 27	Oct.18	
(5) Russellville, Ky. Charles Noe	Pembroke Silt Loam	N 123 P <sub>2</sub> O <sub>5</sub> 100 K <sub>2</sub> O 100	Aatrex and Eradicane	Furadan 15 lb/A	April 20	Oct.22	Corn Viruses
(6) Franklin, Ky. Bob Wade	Crider Silt Loam	N 120 P <sub>2</sub> O <sub>5</sub> 60 K <sub>2</sub> O 60	Aatrex, Lasso and Paraquat	Furadan 15 lb/A	May 20	Oct.28	No-till Fescue Sod
(7) Elizabethtown, Ky. Walker Thomas and Guy Williams	Crider Silt Loam	N 120 P <sub>2</sub> O <sub>5</sub> 120 K <sub>2</sub> O None	Aatrex and Paraquat	Furadan 15 lb/A	May 3	Nov. 1	No-till Fescue Sod V. Poor Stand
(8) Lexington, Ky. K.A.E.S. Spindletop Farm	Lanton Silt Loam	N 150 P <sub>2</sub> O <sub>5</sub> None K <sub>2</sub> O 60	Princep and Eradicane	Furadan 15 lb/A	May 4	Nov.10	
(9) Quicksand, Ky. Robinson Substation	Philo Silt Loam	N 120 P <sub>2</sub> O <sub>5</sub> 120 K <sub>2</sub> O 120	Aatrex	Furadan 15 lb/A	May 10	Nov.16	



TABLE 3.—ANNUAL SUMMARY, NORMAL POPULATION, MAYFIELD, KY.

HYBRID	1976 RESULTS			1976 RESULTS			1976 RESULTS		
	3-YR YIELD BU/AC	2-YR YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % MOIST	AVG % MOIST	STAND	AVG % MOIST	TOTAL LODGED
YELLOW									
ADLERS 87X	160.9	160.9	203.3	22.0	91.4	0.5			76.7
PIONEER BRAND 3368A	165.7	165.7	201.5	22.0	90.5	1.0			85.2
GOLDEN HYBRIDS SX104	163.1	163.1	199.6	20.1	91.4	1.0			94.3
GUTWEIN 86	153.6	151.8	198.8	20.2	96.7	0.0			82.9
NORTHROP-KING PX79	160.3	160.3	197.3	19.2	93.8	0.5			87.6
DENNIS 37	151.5	151.5	194.9	19.6	98.1	0.5			78.6
PIONEER BRAND 3365A	162.6	163.7	194.1	20.4	87.1	0.5			80.5
ZIMMERMAN Z24Y	167.4	165.3	192.6	20.9	94.3	1.4			95.2
COKER 16	155.5	157.0	191.2	20.5	89.5	0.0			89.5
SECURITY SS112	150.5	150.8	189.6	20.0	84.8	0.0			80.5
HULTING X980	161.7	161.0	189.5	22.4	95.7	1.4			80.5
PIONEER BRAND 3161			189.4	18.8	92.9	0.0			78.1
PREMIER SX633			188.7	25.2	83.8	0.0			76.7
FUNK'S G4848			187.4	20.6	98.6	0.0			85.2
MIGRO M-7072	160.6	158.9	187.8	20.6	98.6	0.0			91.0
FUNK'S G4520			187.6	19.9	92.4	0.0			81.9
ASGROW RX 90			187.4	19.5	91.4	0.0			78.6
SO. STATES SS775	158.5	148.7	187.0	20.0	90.0	2.7			86.2
MCNAIR X119			185.5	22.4	86.7	1.8			82.0
MIGRO M-7074	158.4	156.7	185.5	25.0	86.2	0.0			80.5
BO-JAC X83			185.3	21.2	95.7	0.0			86.2
P-A-G SX 17A			184.2	19.2	91.9	0.0			82.0
NORTHROP-KING PX675			184.1	18.9	89.5	0.0			81.0
SO. STATES SS727			183.4	22.9	89.5	0.0			81.0
COKER 18			182.6	20.8	97.6	1.0			75.2
SEED KEM SKX-9800			182.6	21.3	91.9	0.0			86.2
MCNAIR X194			182.5	19.8	90.5	2.7			82.0
NORTHROP-KING PX74	141.0	140.7	182.5	19.8	90.5	2.7			86.2
P-A-G 7545			181.9	21.7	91.9	0.0			82.0
S S HYBRIDS 7100			181.5	21.9	80.0	0.0			87.3
VORIS SEEDS V2642	153.0	153.0	181.1	23.0	82.9	0.0			87.3
PIONEER BRAND 3184			180.9	22.0	90.0	1.0			91.9
TROJAN TXS 113	146.5	138.9	180.7	19.6	96.7	0.0			93.3
P-A-G SX 98	146.7	150.3	179.7	21.3	81.0	0.6			87.1
SO. STATES SS795P			179.6	21.4	93.3	0.0			93.8
MUNCY CHIEF SX8088			179.4	20.9	91.0	1.5			89.5
HULTING X880			177.5	20.3	84.8	2.2			83.8
DEKALB XL372			177.0	20.9	91.9	0.5			83.8
SUPER CROST 5440	145.9	146.1	176.2	20.2	82.9	1.1			82.9
PREMIER 688			176.1	22.6	84.8	0.0			88.6
RING AROUND RA2502			176.0	21.2	92.9	0.0			83.3
BO-JAC X91			175.9	26.0	83.3	0.0			90.0
SECURITY SS120			149.7	175.7	24.4	80.5			90.0
GOLDEN HARVEST H2666			149.0	175.6	22.0	0.0			81.4
DEKALB XL78	157.1	151.1	174.9	22.2	93.3	0.6			79.0
PRINCETON SX 850	153.6	154.7	174.6	19.8	91.9	0.5			66.2
GOLDEN ACRES T-E 6992			172.7	19.0	92.9	1.0			86.0
STEMART SX 71K	147.2	136.8	172.6	19.5	85.7	0.0			87.1
FUNK'S G4507			141.1	172.6	19.3	4.6			87.1
WHITE									
ZIMMERMAN 711W	168.5	164.7	215.0	25.6	91.9	0.5			91.9
ZIMMERMAN 752W			211.7	24.1	93.3	2.1			93.3
PIONEER BRAND 511A	162.4	160.5	208.5	26.9	87.1	7.2			87.1
FUNK'S G4747W			193.0	25.6	93.8	5.3			93.8
SO. STATES SS950W			189.7	24.2	89.5	0.5			89.5
GOLDEN HARVEST H2660W	156.6	147.6	186.0	26.9	83.8	0.0			83.8
DEKALB XL390A			184.5	22.9	82.9	0.0			82.9
P-A-G 644W	142.7	130.2	182.2	21.9	82.9	2.6			82.9
ASGROW RX 95W			180.6	22.0	88.6	2.2			88.6
PRINCETON SX 910	161.4	153.8	178.4	25.7	83.3	0.0			83.3
GOLDEN ACRES T-E 6999H			177.7	22.7	90.0	1.6			90.0
PRINCETON 960			169.1	22.8	81.4	1.9			81.4
MASON 5850			161.4	25.3	79.0	1.2			79.0
RING AROUND RA2602W			153.1	28.2	66.2	1.3			66.2
WHITE AVERAGE	158.3	154.4	185.1	24.6	86.0	1.9			86.0
GRAND AVERAGE	150.8	146.6	177.8	21.5	87.1	0.9			87.1

TABLE 4.—ANNUAL SUMMARY, NORMAL POPULATION, PRINCETON, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS			1976 RESULTS		
			YIELD BU/AC	AVG % MOIST	TOTAL LODGED	YIELD BU/AC	AVG % MOIST	TOTAL LODGED
YELLOW								
PREMIER SX633			207.7	20.9	91.4	156.7	21.2	90.5
DENNIS 37		173.0	196.3	21.4	90.0	156.7	19.9	82.9
FUNK'S G4520			192.0	20.6	86.7	156.4	21.0	90.0
GOLDEN HYBRIDS SX104		147.6	191.6	22.2	84.8	155.3	23.4	76.7
VORIS SEEDS V2532		164.0	187.3	19.4	92.9	155.3	20.2	81.4
P-A-G SX 17A			185.8	21.6	80.5	155.3	22.1	82.9
NORTHROP-KING PX74	138.1	155.3	184.6	18.9	90.5	154.9	20.1	84.3
PIONEER BRAND 3161	138.8	146.7	184.3	21.2	85.2	153.3	18.7	81.4
ASGROW RX 90			182.3	22.2	87.1	152.9	19.7	94.3
MICRO M-7072	134.9	151.4	180.7	20.2	95.2	151.3	20.2	89.0
S S HYBRIDS 86	136.4	154.2	179.5	20.6	95.2	150.0	22.9	85.7
TROJAN TXS 119			179.1	23.4	87.6	150.0	22.9	85.7
GOLDEN HARVEST H2666		153.5	176.7	22.3	89.0	149.8	20.9	91.0
PIONEER BRAND 3184			173.4	24.0	84.3	148.6	20.8	91.0
MICRO M-5045		145.2	171.4	17.8	91.4	147.9	23.8	88.6
BO-JAC X83	143.0		170.2	19.3	94.8	147.3	20.1	83.8
HULTING X880		157.8	170.1	21.1	79.5	141.9	17.6	88.1
SO-STATES S5775	132.8	145.4	170.0	20.7	92.9	141.8	20.3	77.6
SO-STATES S5727			169.5	22.4	85.7	141.0	22.1	77.1
MICRO M-7074		143.0	168.2	20.5	86.7	140.3	20.9	79.0
WILSTAR 6663			168.1	21.5	83.3	137.9	24.3	77.1
SECURITY S5112			168.1	21.9	86.7	137.5	21.8	85.2
PIONEER BRAND 3369A	142.6	149.2	167.5	20.5	81.9	135.6	22.0	78.6
SUPER CROST 5440	137.9	142.4	167.5	20.3	83.3	135.2	20.6	67.6
FUNK'S G4507		149.2	167.2	21.2	92.4	133.2	20.6	83.8
RING AROUND RA2502			167.2	22.2	82.4	117.3	20.7	76.2
ZIMMERMAN Z24Y	144.9	156.4	167.1	22.2	93.3	109.6	22.3	71.4
STEWART SX 77			166.5	20.9	74.3			
FUNK'S G4848			166.2	26.2	81.0			
TROJAN TXS 114	133.2	134.2	165.6	20.6	73.8	161.2	21.2	85.4
VORIS SEEDS V2642			139.6	21.7	91.4			
MICRO M-7074			136.7	23.1	97.1			
GUTWEIN 86	124.9	134.2	162.9	19.6	92.4			
HULTING X980	125.4	135.4	162.8	22.5	87.6			
SO-STATES S5795P			162.5	21.1	93.3			
WILSTAR 7174			162.2	21.2	90.0			
DEKALB XL72AA			161.3	20.6	78.0			
PIONEER BRAND 3535	129.5	136.0	161.1	17.3	86.2			
NORTHROP-KING PX675			160.4	21.3	85.7			
PIONEER BRAND 3368A		139.8	159.6	19.9	91.4			
STEWART SX 71K	121.1	120.7	159.1	19.3	81.9			
DEKALB XL80	132.2	135.9	158.7	23.5	73.3			
PRINCETON SX 850	130.1	136.0	158.5	21.8	85.7			
SEED KEM SKX-9800			158.5	21.4	90.5			
DEKALB XL372			158.0	21.0	85.7			
TROJAN TXS 115A	136.2	138.1	157.8	21.4	79.0			
GOLDEN ACRES T-E 6968	126.5	130.6	157.8	22.6	94.3			
PREMIER 688			157.6	22.5	79.0			
COKER 16	118.9	134.2	156.9	20.4	86.7			
WHITE								
SO-STATES SS950W			187.3	25.0	83.8			
ZIMMERMAN Z52W			175.5	24.4	92.9			
ZIMMERMAN Z11W	140.7	141.0	171.8	23.9	98.1			
GOLDEN HARVEST H2660W	138.3	148.3	171.7	23.9	87.6			
FUNK'S G4747W			169.2	25.4	85.7			
PRINCETON SX 910	137.2	144.8	166.3	26.1	86.7			
DEKALB XL390A			164.9	21.8	71.9			
PRINCETON 960			159.9	25.5	87.6			
PIONEER BRAND 511A	117.5	127.2	151.6	24.8	82.4			
RING AROUND RA2602W			140.0	24.3	63.8			
MASON 5850			139.0	25.7	82.9			
GOLDEN ACRES T-E 6959W			137.0	21.6	83.3			
ASGROW RX 95W			135.8	20.3	82.4			
P-A-G 644W	113.1	123.1	134.8	22.9	91.9			
WHITE AVERAGE	129.4	138.8	157.5	24.0	84.4			
GRAND AVERAGE	129.4	139.6	160.6	21.6	85.2			



TABLE 5.—ANNUAL SUMMARY, NORMAL POPULATION, HENDERSON, KY.

HYBRID	3-YR			2-YR			1976 RESULTS			1976 RESULTS		
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % MOIST	AVG % MOIST	AVG % MOIST	STAND	TOTAL LODGED
YELLOW												
PIONEER BRAND 3368A	183.6	206.0	20.7	95.2	1.6	172.9	17.7	97.6	2.9			
COKER 18	189.6	203.5	24.3	92.9	3.5	172.9	20.5	80.5	1.2			
GOLDEN HYBRIDS SX104	201.2	19.9	19.8	91.0	0.6	171.0	21.8	93.3	3.1			
SO. STATES S5727	200.2	201.1	19.8	97.6	1.4	171.0	21.7	77.1	0.0			
PREMIER SX633	170.3	199.5	18.7	89.5	1.0	145.9	19.3	88.0	1.1			
BO-JAC X83	183.3	198.6	18.9	93.3	0.5	155.8	21.3	88.1	1.7			
ZIMMERMAN 224Y	170.2	198.4	21.0	95.2	1.4	156.7	21.3	80.5	2.9			
VORIS SEEDS V2532	158.4	193.9	18.6	100.0	0.5	168.7	21.1	79.0	0.6			
P-A-G SX 17A	172.5	198.0	22.6	87.6	4.7	159.2	21.0	80.5	2.3			
HULTING X980	178.5	193.7	18.5	90.5	1.0	147.7	22.1	78.1	3.7			
PRINCETON SX 850	167.0	193.7	19.1	94.8	1.6	167.9	18.6	84.8	1.1			
NORTHROP-KING PX74	157.5	193.2	19.0	94.3	1.0	162.5	20.5	89.5	1.0			
ASGROW RX 90	192.9	192.9	19.3	94.8	0.0	142.3	19.7	83.3	2.7			
FUNK'S G4520	160.8	191.7	20.0	86.7	0.0	153.7	19.8	87.1	1.1			
GUTWEIN 86	171.1	191.5	19.1	88.6	1.1	164.3	18.5	86.2	0.0			
FUNK'S G4848	170.1	191.1	22.6	77.1	0.5	161.7	17.8	85.2	2.8			
DENNIS 37	158.9	189.7	20.3	91.0	0.0	143.6	19.3	71.4	0.7			
GOLDEN ACRES T-E 6992	176.8	187.0	19.4	93.8	1.0	160.1	19.3	86.7	0.0			
PIONEER BRAND 3161	165.4	185.9	21.8	90.5	1.1	145.3	18.0	86.7	0.0			
NORTHROP-KING PX79	170.7	185.2	18.7	91.4	0.0	133.1	19.9	74.8	1.2			
MIGRO M-7072	165.4	185.1	21.6	92.4	2.0	147.1	18.4	91.4	3.1			
TROJAN TXS 119	156.6	184.5	21.3	88.2	0.6	140.1	19.3	77.6	1.4			
SO. STATES S5795P	168.9	184.2	20.1	93.8	1.4	149.7	19.8	82.9	1.8			
SUPER CROST 5440	183.9	184.0	22.2	88.1	2.3	141.4	21.6	67.1	0.7			
GOLDEN HARVEST H2650	160.8	183.6	20.8	86.7	1.1	147.8	19.5	78.6	4.8			
PIONEER BRAND 3184	160.8	182.8	20.0	95.7	1.0	131.6	21.3	70.0	2.0			
P-A-G 7545	171.2	182.7	20.1	87.1	1.1	177.2	20.2	87.0	1.4			
ADLERS 87X	163.0	182.6	18.4	83.3	1.1							
SECURITY S5112	165.0	182.2	19.5	83.3	1.7							
MCNAIR X194	168.4	182.1	19.6	93.3	1.5	220.5	22.4	99.5	5.3			
S S HYBRIDS 86	152.7	182.1	20.0	84.8	1.2	188.2	22.8	97.6	2.9			
PREMIER 688	163.0	182.0	18.9	85.2	1.1	171.4	19.3	92.4	1.6			
FUNK'S G4507	165.0	181.1	20.1	86.7	1.1	172.3	24.4	84.8	2.3			
COKER 16	164.9	180.0	21.5	87.1	0.5	167.2	23.6	90.0	2.1			
MUNCY CHIEF SX808B	176.9	179.8	20.8	82.4	0.0	175.0	24.0	92.4	1.1			
SEED KEM SKX-9800	152.4	177.0	21.1	86.2	0.5	195.4	24.0	85.2	3.3			
GOLDEN HARVEST H2666	155.5	176.8	20.8	82.4	0.0	184.8	22.1	82.4	1.7			
PIONEER BRAND 3369A	168.7	179.6	19.0	74.8	1.9	151.7	18.9	82.4	2.7			
GOLDEN ACRES T-E 6968	154.7	178.5	18.9	97.1	0.5	181.5	19.9	88.6	2.7			
DEKALB XL78	163.8	177.0	19.9	86.2	1.0	177.4	20.3	92.9	5.2			
WILSTAR 6663	163.8	176.3	21.5	79.5	1.2	172.1	22.3	85.7	2.7			
SEED KEM SKX-86	174.3	177.0	20.0	86.2	1.0	163.7	17.8	90.0	1.1			
SECURITY S5120	174.9	176.3	21.5	92.9	1.5	171.2	21.7	87.6	3.1			
BO-JAC X91	164.5	174.3	22.7	80.5	1.6	128.8	23.8	56.2	0.0			
WILSTAR 7774	173.6	174.3	19.8	92.4	1.5							
RING AROUND SX2766	164.5	174.1	22.2	82.4	1.0	184.7	22.8	87.5	2.5			
ACCO UC 9451	173.6	173.6	18.0	78.1	0.0	163.0	178.4	87.1	1.6			
NORTHROP-KING PX675	173.0	173.0	18.0	85.7	1.1							

TABLE 6.—ANNUAL SUMMARY, NORMAL POPULATION, HARTFORD, KY.

HYBRID	1976 RESULTS				1976 RESULTS				1976 RESULTS						
	3-YR YIELD BU/AC	2-YR YIELD BU/AC	YIELD BU/AC	AVG % STAND	MOIST	AVG % STAND	LODGED	TOTAL %	3-YR YIELD BU/AC	2-YR YIELD BU/AC	YIELD BU/AC	AVG % STAND	MOIST	AVG % STAND	LODGED
YELLOW															
COKER 18			186.5	21.9	92.9	0.5									
ZIMMERMAN 224Y		166.4	181.8	18.3	95.7	0.0									
SO. STATES S5727	158.2		181.0	20.1	90.5	0.0									
P-A-G SX 17A			179.3	18.6	96.7	1.0									
GUTWEIN 86	148.8	172.3	179.3	19.0	90.5	1.7									
TROJAN TXS 114	149.9	175.9	175.9	18.0	81.0	1.7									
DENNIS 37		172.5	175.7	18.5	95.2	0.5									
FUNK'S G4848			174.7	23.9	80.5	0.0									
NORTHROP-KING PX74	152.1	164.2	174.3	18.2	93.8	0.5									
PREMIER SX633			173.2	18.6	89.0	0.0									
HULTING X980	152.9	165.7	172.1	21.1	92.4	0.5									
GOLDEN HYBRIDS SX104			168.0	18.6	84.3	0.0									
VORIS SEEDS V2532		168.2	168.1	19.5	91.0	0.0									
SECURITY SS112			167.3	20.2	81.4	0.0									
SECURITY SS120			158.6	16.3	24.1	0.0									
S S HYBRIDS 86	154.2	162.1	167.2	19.0	95.2	0.0									
HULTING X880		168.4	167.0	20.4	81.0	0.0									
STEWART SX 71K	141.4	155.7	166.8	19.8	86.2	0.0									
BO-JAC X83	155.1	167.9	166.7	19.1	90.5	0.5									
DEKALB XL72AA			166.2	18.8	86.7	1.0									
MIGRO M-702	150.8	163.9	165.4	19.8	87.1	1.9									
GOLDEN HARVEST H2666		158.6	165.2	20.3	89.5	0.0									
WILSTAR 6663			165.1	19.0	90.5	0.0									
COKER 16	137.9	153.8	164.5	18.8	90.0	1.6									
PIONEER BRAND 3184			164.3	19.4	84.3	0.0									
RING AROUND RA2502			163.8	21.6	95.2	2.4									
MENAIR X194			163.6	19.9	87.1	1.1									
MIGRO M-7074		158.8	162.6	22.3	87.1	1.6									
S S HYBRIDS 7100			162.4	20.7	78.6	0.6									
WILSTAR 7774			161.6	21.1	84.8	0.5									
SUPER CROST 5440	150.1	163.4	161.3	19.0	79.0	1.8									
ADLERS 87X		149.0	161.0	21.4	91.4	1.5									
FUNK'S G4507		158.1	160.6	19.2	83.3	0.0									
SO. STATES S5795P			160.1	20.6	96.7	2.0									
GOLDEN ACRES T-E 6968	148.8	153.2	159.9	19.1	97.1	0.0									
VORIS SEEDS V2642		145.8	159.8	19.6	87.6	0.0									
MIGRO M-5045		144.4	159.5	17.3	97.1	1.4									
PIONEER BRAND 3161	144.7	151.0	159.1	20.8	94.8	0.0									
TROJAN TXS 119			159.0	21.4	85.7	0.0									
ASGROW RX 90			156.9	19.4	89.0	0.0									
PIONEER BRAND 3369A	158.6	162.6	156.7	18.9	83.3	0.5									
PIONEER BRAND 3535	137.6	147.8	155.7	17.6	89.5	0.5									
SUPER CROST 6880			155.6	19.7	84.8	1.7									
STEWART SX 77			155.3	19.5	77.6	3.5									
SEED KEM SKX-86		152.6	155.2	18.7	95.2	1.5									
NORTHROP-KING PX79		161.9	153.8	18.6	91.4	0.0									
P-A-G 7545			153.7	19.5	79.9	1.1									
DEKALB XL80	137.6	150.7	152.8	21.4	79.5	0.0									
DEKALB XL72B	142.2	148.8	151.6	19.1	83.8	1.7									
YELLOW AVERAGE	144.1	154.0	156.5	19.9	87.0	0.7									
WHITE															
ZIMMERMAN 211W		172.3	175.8	23.3	94.3	1.1									
DEKALB XL390A		150.6	174.8	21.3	82.9	0.0									
P-A-G 644W		139.1	173.0	21.5	91.4	1.1									
ZIMMERMAN 252W		168.9	172.1	22.5	91.0	0.0									
PRINCETON SX 910		156.2	170.7	20.9	83.8	1.1									
SO. STATES S9950W			169.7	24.0	92.4	1.1									
PRINCETON 960			167.2	20.5	84.8	2.2									
GOLDEN HARVEST H2660W	134.6	145.6	163.8	22.0	77.6	0.5									
ASGROW RX 95W			162.9	20.3	86.7	1.6									
FUNK'S G4747W		160.4	155.6	22.0	95.2	0.0									
PIONEER BRAND 511A		149.1	151.6	23.6	76.2	3.1									
RING AROUND RA2602W			150.9	23.1	71.4	2.8									
GOLDEN ACRES T-E 6959W			146.3	20.8	92.4	1.0									
MASON 5850			145.1	19.6	85.7	1.1									
WHITE AVERAGE	144.9	158.5	163.1	21.8	86.1	1.2									
GRAND AVERAGE	144.2	154.7	157.6	20.2	86.9	0.8									



TABLE 7.—ANNUAL SUMMARY, NORMAL POPULATION, NO-TILL, FRANKLIN, KY.

HYBRID	3-YR			2-YR			1976 RESULTS			1976 RESULTS			
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	STAND	TOTAL % LOGGED	YIELD BU/AC	AVG % MOIST	TOTAL % LOGGED
YELLOW													
PIONEER BRAND 3535	117.0	118.6	147.4	16.6	15.1	15.1	15.1	100.0	100.0	100.0	121.9	17.7	16.4
TRQJAN TXS 114	129.3	114.4	144.0	17.3	11.4	11.4	11.4	100.0	100.0	100.0	121.8	18.0	14.5
DEKALB XL72AA			143.1	16.2	12.1	12.1	12.1	100.0	100.0	100.0	121.7	17.7	14.5
VORIS SEEDS V2532			142.5	16.5	8.6	8.6	8.6	100.0	100.0	100.0	120.8	18.0	39.8
TRQJAN TXS 113	121.9	118.9	142.5	17.1	9.0	9.0	9.0	100.0	100.0	100.0	120.1	17.7	20.7
SO. STATES SS775	118.4	114.8	142.2	16.1	11.4	11.4	11.4	100.0	100.0	100.0	120.0	17.3	18.7
STEWART SX 77			141.5	16.5	7.8	7.8	7.8	100.0	100.0	100.0	120.0	18.4	7.1
ZIMMERMAN 224Y	130.2	118.7	140.7	17.1	21.4	21.4	21.4	100.0	100.0	100.0	119.9	17.7	18.9
WILSTAR 6663			139.7	16.6	19.9	19.9	19.9	100.0	100.0	100.0	118.9	18.0	17.7
HULTING X980	128.8	122.2	139.5	17.1	12.3	12.3	12.3	100.0	100.0	100.0	118.9	18.3	17.1
NORTHROP-KING PX74	116.4	110.2	139.0	16.9	11.3	11.3	11.3	100.0	100.0	100.0	117.7	17.3	13.4
FUNK'S G4520			138.8	17.7	8.5	8.5	8.5	100.0	100.0	100.0	117.7	17.1	21.2
HULTING X880			136.4	17.0	10.8	10.8	10.8	100.0	100.0	100.0	116.9	18.3	11.8
TRQJAN TXS 119			135.7	17.9	12.9	12.9	12.9	100.0	100.0	100.0	116.2	16.7	22.1
P-A-G SX 17A			135.4	16.5	9.4	9.4	9.4	100.0	100.0	100.0	116.2	16.7	22.1
SO. STATES SS727			135.3	17.8	12.2	12.2	12.2	100.0	100.0	100.0	116.1	17.0	11.5
SECURITY SS112			135.0	17.1	8.6	8.6	8.6	100.0	100.0	100.0	115.7	16.0	24.3
ASGROW RX 90			134.4	16.3	8.6	8.6	8.6	100.0	100.0	100.0	115.6	16.7	11.6
P-A-G 340			134.0	17.8	3.6	3.6	3.6	100.0	100.0	100.0	114.0	19.5	20.5
SUPER CROST 5440	117.0	113.4	133.9	15.9	13.3	13.3	13.3	100.0	100.0	100.0	111.7	16.3	22.7
SO. STATES SS795P			133.9	16.9	14.1	14.1	14.1	100.0	100.0	100.0	110.9	16.4	14.0
GOLDEN ACRES T-E 6968	119.9	116.5	133.6	16.9	20.5	20.5	20.5	100.0	100.0	100.0	109.8	16.8	30.8
PIONEER BRAND 3368A			133.6	17.3	31.0	31.0	31.0	100.0	100.0	100.0	109.8	17.8	21.1
MCNAIR X170			133.2	18.2	12.4	12.4	12.4	100.0	100.0	100.0	107.7	20.3	15.1
NORTHROP-KING PX79			132.6	15.5	7.4	7.4	7.4	100.0	100.0	100.0	104.9	16.7	23.4
SEED KEM SKX-86			132.4	17.1	15.4	15.4	15.4	100.0	100.0	100.0	104.0	17.6	23.7
MCNAIR X194			132.4	19.4	11.8	11.8	11.8	100.0	100.0	100.0	96.5	18.8	11.8
DEKALB XL78	115.4	106.4	132.3	17.9	26.3	26.3	26.3	100.0	100.0	100.0	92.9	18.7	26.5
SECURITY SS120			131.9	18.9	8.1	8.1	8.1	100.0	100.0	100.0	92.9	18.7	26.5
RING AROUND RA2502			130.3	18.2	15.6	15.6	15.6	100.0	100.0	100.0	126.3	17.5	15.9
SUPER CROST 6R80			130.3	17.8	23.4	23.4	23.4	100.0	100.0	100.0	119.9	17.0	17.2
P-A-G SX 98			129.6	17.0	12.9	12.9	12.9	100.0	100.0	100.0	117.4	18.0	32.9
NORTHROP-KING PX675	119.1	121.5	129.6	16.4	11.0	11.0	11.0	100.0	100.0	100.0	117.4	17.8	27.4
MIGRO M-7074			129.1	19.1	6.1	6.1	6.1	100.0	100.0	100.0	104.5	18.4	20.1
GOLDEN HARVEST H2666			129.1	17.8	9.8	9.8	9.8	100.0	100.0	100.0	104.5	19.3	13.4
VORIS SEEDS V2642			127.8	18.6	11.6	11.6	11.6	100.0	100.0	100.0	106.4	18.6	24.9
DEKALB XL372			127.6	16.9	9.8	9.8	9.8	100.0	100.0	100.0	114.6	18.6	15.8
COKER 16	114.5	112.1	127.5	17.0	19.4	19.4	19.4	100.0	100.0	100.0	112.1	19.0	15.8
FUNK'S G4507			127.5	17.2	11.8	11.8	11.8	100.0	100.0	100.0	111.4	16.8	29.0
PIONEER BRAND 3184			126.6	18.5	7.3	7.3	7.3	100.0	100.0	100.0	109.0	19.6	83.3
RING AROUND SX2766			125.7	19.1	34.2	34.2	34.2	100.0	100.0	100.0	107.1	18.9	99.0
BO-JAC X91			125.6	20.1	11.5	11.5	11.5	100.0	100.0	100.0	106.2	19.4	18.3
DENNIS 37			125.4	16.7	7.5	7.5	7.5	100.0	100.0	100.0	103.3	18.4	32.8
PRINCETON SX 850	121.8	112.6	125.2	16.6	21.7	21.7	21.7	100.0	100.0	100.0	98.6	20.8	100.0
GOLDEN ACRES T-E 6992			124.9	17.1	18.5	18.5	18.5	100.0	100.0	100.0	95.7	19.1	23.6
MASON 8869			124.8	16.7	8.4	8.4	8.4	100.0	100.0	100.0	110.3	18.8	90.3
WILSTAR 7774	115.4	96.8	123.9	20.8	18.7	18.7	18.7	100.0	100.0	100.0	110.2	17.7	16.9
COKER 18			123.3	19.1	16.7	16.7	16.7	100.0	100.0	100.0	123.8	17.7	16.9
BO-JAC X83	131.0	105.8	122.1	16.3	21.2	21.2	21.2	100.0	100.0	100.0	117.8	110.2	123.8
WHITE AVERAGE			110.3	18.8	90.3	90.3	90.3	100.0	100.0	100.0	126.3	17.5	15.9
GRAND AVERAGE			117.8	110.2	123.8	123.8	123.8	100.0	100.0	100.0	117.8	110.2	123.8

TABLE 8.—ANNUAL SUMMARY, NORMAL POPULATION, LEXINGTON, KY.

HYBRID	1976 RESULTS				1977 RESULTS			
	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL LODGED	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL LODGED
SECURITY 55112	186.0	21.6	90.5	0.5	153.8	158.5	26.2	85.2
PREMIER SX633	184.8	21.1	92.4	5.2	155.6	158.4	20.9	89.5
S S HYBRIDS 7100	180.5	22.0	86.7	5.0	156.1	158.2	23.7	83.3
DENNIS 37	179.4	21.0	96.7	1.0	163.1	156.1	21.5	91.9
COKER 18	178.4	21.4	96.7	4.9	152.3	156.0	23.2	81.4
FUNK'S G4848	177.9	27.1	85.7	3.8	154.2	156.0	23.2	87.6
GOLDEN HYBRIDS SX104	176.1	23.3	95.2	6.0	152.0	154.2	24.0	80.5
VORTS SEEDS V2532	175.8	20.7	96.2	2.5	150.6	153.5	22.3	85.2
PIONEER BRAND 3184	174.7	22.2	81.9	1.7	150.4	153.3	20.9	87.1
P-A-G SX 17A	174.4	21.6	90.5	8.4	143.3	153.3	22.3	87.1
SO. STATES S5795P	174.4	22.1	95.7	4.0	143.3	153.3	21.5	86.7
DEKALB XL724A	174.3	20.1	91.9	1.5	137.6	152.9	22.0	88.1
FUNK'S G4520	173.5	21.0	89.5	3.8	137.6	152.3	21.6	91.0
NORTHROP-KING PX74	171.5	20.6	94.3	5.5	137.6	152.3	21.6	91.0
RING AROUND RA2502	170.6	22.1	92.6	6.4	125.9	152.3	21.6	91.0
ZIMMERMAN 224Y	170.2	22.4	90.5	4.2	125.9	152.3	21.6	91.0
WILSTAR 6663	170.2	21.0	91.9	4.6	125.9	152.3	21.6	91.0
MCNAIR X194	169.6	20.7	93.8	4.5	125.9	152.3	21.6	91.0
GUTWEIN 86	169.5	21.8	91.0	7.4	125.9	152.3	21.6	91.0
GOLDEN ACRES T-F 6992	169.4	20.8	89.5	7.0	125.9	152.3	21.6	91.0
PIONEER BRAND 3369A	168.4	22.2	99.0	2.9	125.9	152.3	21.6	91.0
HULTING X980	167.9	21.2	89.1	4.4	125.9	152.3	21.6	91.0
ASGROW RX 90	167.5	21.4	86.2	3.5	125.9	152.3	21.6	91.0
BO-JAC X83	167.4	21.6	75.7	6.4	125.9	152.3	21.6	91.0
STEWART SX 77	167.1	21.2	87.6	10.5	125.9	152.3	21.6	91.0
PRINCETON SX 850	166.9	23.7	90.0	5.3	125.9	152.3	21.6	91.0
BO-JAC X91	166.5	24.1	87.6	4.9	125.9	152.3	21.6	91.0
WILSTAR 7774	165.5	23.0	90.5	6.2	125.9	152.3	21.6	91.0
S S HYBRIDS 86	165.4	23.2	91.0	5.6	125.9	152.3	21.6	91.0
PIONEER BRAND 3161	165.4	21.3	92.9	4.6	125.9	152.3	21.6	91.0
FUNK'S G4507	165.0	21.3	92.9	4.6	125.9	152.3	21.6	91.0
P-A-G SX 98	164.2	22.8	85.2	6.0	125.9	152.3	21.6	91.0
SO. STATES S5727	163.8	21.5	88.6	7.0	125.9	152.3	21.6	91.0
DEKALB XL78	163.5	21.2	93.3	6.6	125.9	152.3	21.6	91.0
PREMIER 688	163.3	22.1	76.7	12.5	125.9	152.3	21.6	91.0
PIONEER BRAND 3535	162.9	19.9	91.9	3.6	125.9	152.3	21.6	91.0
PICTURE BRAND 110	162.5	22.0	92.4	8.2	125.9	152.3	21.6	91.0
TROJAN TXS 114	162.2	20.9	84.8	6.8	125.9	152.3	21.6	91.0
MIGRO M-7072	162.1	21.3	96.2	3.4	125.9	152.3	21.6	91.0
NORTHROP-KING PX675	161.9	19.6	92.9	5.4	125.9	152.3	21.6	91.0
MIGRO M-7074	161.5	24.8	95.2	6.5	125.9	152.3	21.6	91.0
SO. STATES S5775	160.2	15.9	93.3	7.7	125.9	152.3	21.6	91.0
NORTHROP-KING PX79	159.7	21.3	89.5	1.0	125.9	152.3	21.6	91.0
HULTING X880	159.4	15.9	83.8	5.6	125.9	152.3	21.6	91.0
GOLDEN HARVEST H2666	153.8	22.4	88.6	6.9	125.9	152.3	21.6	91.0
PIONEER BRAND 3368A	152.6	15.2	86.2	11.9	125.9	152.3	21.6	91.0
SUPER CROST 5440	152.1	19.3	88.6	9.2	125.9	152.3	21.6	91.0
DEKALB XL372	151.5	160.8	87.6	3.3	125.9	152.3	21.6	91.0
DEKALB XL80	151.1	158.7	80.0	7.6	125.9	152.3	21.6	91.0
GRAND AVERAGE	163.1	157.6	88.5	7.0	125.9	152.3	21.6	91.0



TABLE 9.—ANNUAL SUMMARY, NORMAL POPULATION, QUICKSAND, KY.

HYBRID	1976 RESULTS				1974 RESULTS				
	3-YR YIELD BU/AC	2-YR YIELD BU/AC	YIELD BU/AC	AVG % MOIST	3-YR YIELD BU/AC	2-YR YIELD BU/AC	YIELD BU/AC	AVG % MOIST	TOTAL LODGED
YELLOW									
SECURITY S5112			185.4	20.1	140.5	132.6	116.1	20.1	78.1
NORTHUP-KING PX79		154.7	179.2	21.5			115.5	20.4	88.6
DENNIS 37		163.7	176.6	20.4			115.4	19.4	91.0
PIONEER BRAND 3184			172.3	21.8			115.3	22.0	94.3
VORIS SEEDS V2532		156.3	170.5	20.6	126.6	108.7	112.9	19.6	90.0
FUNK'S G4520			169.2	20.6			110.8	19.8	94.8
FUNK'S G4848			168.8	26.3			108.2	22.5	88.1
FUNK'S G4507		153.9	161.2	20.8			107.4	18.5	86.2
PREMIER SX633			159.8	21.1			104.2	21.1	85.7
NORTHUP-KING PX675			156.6	20.4			103.9	21.2	84.8
SEED KEM SKX-86		127.5	154.0	20.9			103.1	21.5	100.0
P-A-G SX 17A			153.5	19.2			103.0	22.5	85.7
SO. STATES S5727			152.7	20.0			101.3	22.0	86.2
STEWART SX 77			152.6	21.4			98.5	21.0	87.6
ZIMMERMAN Z24Y		142.7	151.0	19.8	114.0	108.6	96.1	21.4	88.1
S S HYBRIDS 86		131.7	150.7	20.2			90.0	18.7	91.0
TROJAN TXS 114		144.7	149.5	22.3			87.1	20.1	88.6
PIONEER BRAND 3535		140.4	148.4	18.9			86.8	18.9	81.4
ASGROW RX 90			146.9	20.0			85.0	19.5	89.5
DEKALB XL72AA			146.0	19.9			81.4	20.3	88.6
FUNK'S G4525			145.1	16.7			78.8	19.5	88.6
PIONEER BRAND 3365A		144.4	145.1	20.3			77.5	18.9	80.0
GOLDEN HYBRIDS SX104		141.0	144.5	22.1			73.6	17.3	86.2
S S HYBRIDS 7100			140.3	22.9			72.5	18.4	88.1
WILSTAR 6663			139.1	19.5			70.2	17.8	81.9
SO. STATES S5775		144.2	139.0	20.3			60.2	18.0	90.0
DEKALB XL72B		148.1	139.0	21.6			34.9	18.7	76.7
GOLDEN ACRES T-E 6968		144.8	138.2	20.7					
ACCO UC 9451			134.2	22.2					
HULTING X880		149.5	137.3	21.4					
DEKALB XL80		130.4	137.3	22.5					
PRINCETON SX 850		129.4	137.2	21.2					
CKKER 16		138.4	136.5	19.6					
MIGRO M-7072		148.7	136.1	21.4					
DEKALB XL78		145.1	135.3	21.6					
SUPER CROST 5440		149.6	132.8	20.7					
NORTHUP-KING PX74		139.5	132.1	21.3					
TROJAN TXS 115A		139.4	127.9	20.9					
GOLDEN HARVEST H2666			127.7	21.5					
MIGRO M-5045			126.1	17.9					
MASON 8869		120.3	125.8	19.7					
PIONEER BRAND 3161		136.6	123.3	22.4					
SEED KEM SKX-76			131.7	19.7					
MCNAIR X170			123.0	21.2					
SO. STATES S5795P			121.7	19.9					
MCNAIR X194			120.8	19.9					
SECURITY S5120		123.7	118.7	21.8					
RING AROUND SX2766			117.4	22.9					
PREMIER 688			117.3	23.0					
YELLOW AVERAGE					134.0	127.7	125.5	20.6	88.7
WHITE									
ZIMMERMAN Z11W					156.6	146.8	192.4	24.2	96.7
SO. STATES S5950M							190.5	24.0	89.0
FUNK'S G4747M							188.2	23.7	96.7
ZIMMERMAN Z52M							179.9	22.2	88.6
GOLDEN HARVEST H2660M					153.5	158.7	177.8	22.6	95.7
RING AROUND RA2602M							163.3	23.8	81.9
PRINCETON SX 910					158.0	152.7	163.1	24.6	82.4
MASON 5850							155.9	22.3	90.5
DEKALB XL390A							126.7	21.9	91.5
P-A-G 644W					137.8	147.5	142.2	21.8	90.0
PRINCETON 960							142.2	22.2	89.0
ASGROW RX 95W							136.7	20.0	79.5
PIONEER BRAND 511A					139.2	132.6	132.1	22.2	80.0
GOLDEN ACRES T-E 6999W							126.2	22.7	91.0
WHITE AVERAGE					149.0	150.9	160.1	22.7	88.8
GRAND AVERAGE					136.3	131.3	130.9	20.9	88.7

TABLE 10.—ANNUAL SUMMARY, NORMAL POPULATION, ALL NON-VIRUS LOCATIONS, 1976

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					YELLOW				
DENNIS 37	176.9	19.7	91.4	3.7	FUNK'S G4525	149.5	17.7	91.6	8.4
PREMIER SX633	175.9	19.6	90.4	4.2	STEWART SX 71K	149.4	19.7	86.5	13.6
SECURITY SS112	173.5	19.9	88.0	2.1	DEKALB XL372	149.1	19.2	88.8	5.3
P-A-G SX 17A	173.1	19.4	91.3	6.5	WILSTAR 7774	149.0	21.3	85.8	8.0
VORIS SEEDS V2532	173.0	19.7	92.9	2.5	ACCO UC 9451	148.7	21.7	79.7	6.5
ZIMMERMAN Z24Y	171.8	19.9	95.1	7.7	SEED KEM SKX-9800	148.4	20.6	90.3	10.3
GOLDEN HYBRIDS SX104	171.7	20.6	89.7	6.9	PREMIER 688	148.1	21.4	85.0	8.3
FUNK'S G4520	171.5	19.8	88.4	3.3	BO-JAC X91	147.6	23.0	88.3	5.2
SO. STATES SS727	169.6	20.1	91.8	3.6	MASON 8865	147.6	19.9	87.6	5.6
NORTHROP-KING PX74	168.2	19.2	91.1	5.2	VORIS SEEDS V2642	147.5	20.9	87.1	12.0
PIONEER BRAND 3184	168.0	21.2	86.7	2.5	MIGRO M-5045	147.4	17.7	91.9	6.5
FUNK'S G4848	167.9	24.5	83.0	4.5	MENAIR X170	146.8	20.1	88.8	4.9
ASGROW RX 90	167.0	19.7	90.4	3.5	TROJAN TXS 115A	146.7	19.8	81.6	5.6
NORTHROP-KING PX79	166.3	19.4	91.4	2.4	DEKALB XL80	145.8	21.3	78.6	5.6
HULTING X880	163.1	20.5	85.0	8.1	P-A-G 7545	145.4	19.8	90.5	13.1
FUNK'S G4507	162.3	19.7	89.6	4.3	DEKALB XL72B	145.1	19.9	78.8	3.9
MIGRO M-7072	162.1	20.3	93.2	5.5	P-A-G SX 98	144.9	20.8	82.0	8.0
PIONEER BRAND 3369A	161.9	19.7	85.0	10.4	RING AROUND SX2766	144.6	22.0	87.9	13.1
WILSTAR 6663	161.4	19.8	89.5	8.2	MUNCY CHIEF SX8088	144.5	21.1	89.1	5.9
HULTING X980	161.3	21.1	93.5	12.0	SUPER CROST 6880	142.9	19.5	84.4	10.5
STEWART SX 77	161.2	20.1	79.0	4.0	GOLDEN HARVEST H2650	142.6	21.2	81.7	8.5
BO-JAC X83	161.1	19.6	90.1	5.4	P-A-G 340	139.4	19.4	83.6	3.3
DEKALB XL72AA	161.0	19.0	87.6	3.4	FUNK'S G4628	139.4	20.9	81.8	9.7
PIONEER BRAND 3161	160.2	21.6	91.1	5.8	MUNCY CHIEF SX878	136.5	21.3	83.3	15.8
TROJAN TXS 114	159.5	19.6	83.7	3.8	SEED KEM SKX-76	134.4	19.6	86.3	7.7
COKER 16	159.3	19.6	88.2	4.9	GUTWEIN 88A	119.5	21.3	79.9	10.1
SO. STATES SS795P	159.3	20.3	94.3	9.0	O'S GOLD SX5500	117.4	20.7	71.5	9.8
SUPER CROST 5440	159.2	19.3	85.0	4.8	YELLOW AVERAGE	155.0	20.3	87.8	6.8
SO. STATES SS775	159.1	19.4	92.4	4.6	WHITE				
NORTHROP-KING PX675	159.1	19.0	90.4	3.7	SO. STATES SS950M	177.2	23.2	91.6	6.7
GOLDEN HARVEST H2666	159.1	21.0	88.5	5.2	ZIMMERMAN Z11M	176.6	23.6	94.2	6.4
S S HYBRIDS 86	158.6	20.0	92.4	5.4	ZIMMERMAN Z52M	172.9	23.1	91.8	5.3
MENAIR X194	157.8	20.6	89.9	6.3	FUNK'S G4747M	170.9	22.9	93.1	9.6
PIONEER BRAND 3368A	156.9	19.9	91.8	13.2	GOLDEN HARVEST H2660M	165.2	23.2	85.6	8.0
PRINCETON SX 850	156.3	20.1	89.9	9.8	PRINCETON SX 910	165.1	23.7	84.6	5.5
S S HYBRIDS 7100	156.2	21.8	82.6	5.4	DEKALB XL390A	164.4	21.7	81.8	7.0
SEED KEM SKX-86	156.0	19.9	92.2	4.6	PIONEER BRAND 511A	155.5	23.4	85.9	16.2
GUTWEIN 86	156.0	18.9	92.0	10.5	ASGROW RX 95M	152.7	19.9	85.6	16.8
DEKALB XL78	155.1	20.7	82.7	3.9	PRINCETON 960	152.3	22.5	85.8	6.7
PIONEER BRAND 3535	155.1	18.1	87.0	10.8	P-A-G 644M	151.3	21.7	92.8	10.7
TROJAN TXS 119	155.0	21.0	87.2	4.7	MASON 5850	147.0	22.5	87.6	4.5
GOLDEN ACRES T-E 6568	154.9	19.2	95.0	8.1	GOLDEN ACRES T-E 6999	146.2	21.5	88.2	12.6
RING AROUND RA2502	154.4	21.2	86.2	5.5	RING AROUND RA2602M	141.8	23.8	70.9	6.5
SECURITY SS120	153.9	22.5	93.4	4.5	WHITE AVERAGE	159.9	22.6	87.1	8.8
MIGRO M-7074	153.5	22.6	91.4	10.6	GRAND AVERAGE	155.8	20.7	87.7	7.1
GOLDEN ACRES T-E 6992	153.4	19.5	90.5	7.6					
COKER 18	152.7	21.2	89.1	4.7					
ADLERS 87X	151.5	20.7	88.4	7.6					
TROJAN TXS 113	149.7	19.7	91.8	4.7					



TABLE 11.—TWO-YEAR SUMMARY, NORMAL POPULATION, ALL NON-VIRUS LOCATIONS, 1975 AND 1976

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
<b>YELLOW</b>				
DENNIS 37	158.9	19.4	88.6	5.9
ZIMMERMAN Z24Y	157.4	19.5	91.2	6.9
VORIS SEEDS V2532	157.0	19.4	88.7	4.3
GOLDEN HYBRIDS SX104	156.0	20.6	88.5	7.6
NORTHROP-KING PX79	153.6	19.1	89.5	4.4
PIONEER BRAND 3369A	153.0	19.7	85.1	7.7
MIGRO M-7072	153.0	20.1	89.5	6.2
HULTING X880	151.5	19.9	84.9	7.6
BO-JAC X83	150.6	19.9	86.8	5.1
FUNK'S G4507	148.5	19.4	88.6	5.9
NORTHROP-KING PX74	147.4	18.8	85.7	5.4
PIONEER BRAND 3161	146.9	20.9	87.7	6.9
MIGRO M-7074	146.7	22.3	88.5	6.0
PIONEER BRAND 3368A	146.7	20.1	85.0	9.1
SUPER CROST 5440	146.7	19.1	86.7	5.2
S S HYBRIDS 86	146.6	20.0	89.5	6.8
HULTING X980	146.2	21.0	87.7	8.7
PRINCETON SX 850	145.1	19.8	86.5	8.7
ACCO UC 9451	144.0	21.1	83.0	8.4
SO.STATES SS775	143.9	19.7	88.7	5.6
GOLDEN HARVEST H2666	143.5	20.5	86.1	5.8
COCKER 16	143.4	19.6	86.6	5.5
SECURITY SS120	143.1	22.1	81.6	5.7
DEKALB XL78	143.1	20.7	89.4	6.4
GUTWEIN 86	142.3	19.1	87.7	11.6
ADLERS 87X	142.1	20.7	87.4	7.3
VORIS SEEDS V2642	140.7	20.7	86.2	8.2
P-A-G SX 98	138.2	20.7	81.8	6.7
GOLDEN ACRES T-E 6968	137.9	19.7	88.8	6.5
SEED KEM SKX-86	137.9	20.0	87.8	4.9
MCAIR X170	137.8	19.7	88.0	4.5
PIONEER BRAND 3535	137.4	17.9	85.7	4.2
TROJAN TXS 114	135.5	19.2	83.1	8.9
DEKALB XL80	133.8	20.9	81.5	9.9
TROJAN TXS 113	133.3	19.4	86.8	5.4
TROJAN TXS 115A	133.2	19.2	78.9	6.0
DEKALB XL72B	132.2	20.0	77.0	4.8
MIGRO M-5045	131.0	17.7	87.8	8.4
FUNK'S G4628	130.8	20.7	81.5	9.0
STEWART SX 71K	129.5	19.7	80.4	10.7
MASON 8869	128.7	20.3	83.7	5.3
GUTWEIN 88A	125.6	21.1	80.7	8.5
MUNCY CHIEF SX878	121.0	21.2	77.2	15.0
<b>YELLOW AVERAGE</b>	<b>142.4</b>	<b>20.0</b>	<b>85.7</b>	<b>7.0</b>
<b>WHITE</b>				
ZIMMERMAN Z52W	155.6	22.7	88.6	7.5
FUNK'S G4747W	155.4	22.7	89.2	9.3
ZIMMERMAN Z11W	154.8	22.8	90.2	8.2
PRINCETON SX 910	149.9	23.0	83.4	6.8
GOLDEN HARVEST H2660W	147.3	22.6	83.6	8.6
DEKALB XL390A	140.1	21.5	76.0	6.7
PIONEER BRAND 511A	139.0	22.9	86.8	17.0
P-A-G 644W	136.1	21.2	86.9	15.5
<b>WHITE AVERAGE</b>	<b>147.3</b>	<b>22.4</b>	<b>85.6</b>	<b>9.9</b>
<b>GRAND AVERAGE</b>	<b>143.1</b>	<b>20.4</b>	<b>85.7</b>	<b>7.5</b>

TABLE 12.—THREE-YEAR SUMMARY, NORMAL POPULATION, ALL NON-VIRUS  
LOCATIONS, 1974, 1975 AND 1976

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
ZIMMERMAN Z24Y	157.1	20.3	89.4	7.7
PICNEER BRAND 3369A	154.2	20.5	84.9	7.6
BO-JAC X83	150.9	20.7	86.4	4.8
MIGRO M-7072	149.6	21.1	88.2	5.9
S S HYBRIDS 86	145.8	20.9	88.1	7.0
SUPER CROST 5440	145.5	20.1	85.8	4.2
DEKALB XL78	145.3	21.7	88.9	7.0
SO.STATES SS775	145.2	20.6	87.2	4.8
PIONEER BRAND 3161	145.0	21.6	86.4	6.9
TROJAN TXS 114	144.2	20.6	85.1	7.5
PRINCETON SX 850	143.2	20.7	86.9	8.2
NORTHROP-KING PX74	143.2	19.8	84.6	4.8
HULTING X980	142.9	21.8	86.7	8.2
GUTWEIN 86	142.8	20.1	87.0	9.7
GOLDEN ACRES T-E 6968	141.8	20.7	86.7	5.6
COKER 16	139.4	20.5	86.0	5.5
TROJAN TXS 115A	138.4	20.1	81.6	5.3
DEKALB XL80	137.6	22.1	82.5	10.1
DEKALB XL72B	137.1	20.8	80.8	4.6
PIONEER BRAND 3535	136.8	18.6	85.5	4.1
P-A-G SX 98	136.5	21.8	81.7	6.2
TROJAN TXS 113	136.0	20.3	86.9	4.6
FUNK'S G4628	134.2	21.8	83.2	7.5
GUTWEIN 88A	134.2	22.3	83.7	8.1
STEWART SX 71K	133.0	20.5	81.9	9.3
MASON 8869	132.6	21.4	85.0	6.9
MUNCY CHIEF SX878	126.9	22.2	79.2	14.5
YELLOW AVERAGE	141.5	20.9	85.2	6.9
WHITE				
ZIMMERMAN Z11W	155.7	24.0	89.8	7.5
PRINCETON SX 910	151.2	24.0	84.8	7.0
GOLDEN HARVEST H2660W	147.2	23.7	82.8	7.4
PICNEER BRAND 511A	139.1	24.1	86.2	16.5
P-A-G 644W	131.4	23.0	84.5	13.5
WHITE AVERAGE	144.9	23.8	85.6	10.4
GRAND AVERAGE	142.0	21.3	85.3	7.5



TABLE 13.—ANNUAL SUMMARY, HIGH POPULATION, HARTFORD, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
MIGRO M-EXP-3416			190.8	19.0	87.3	0.0
HULTING X880		161.1	189.3	17.7	92.5	0.3
PREMIER 695-I			187.7	22.0	82.8	0.0
MIGRO M-7074			184.8	22.5	94.1	0.8
TROJAN TXS 114	136.5	143.4	183.6	18.3	82.9	0.0
RING AROUND RA1502			182.4	19.0	86.4	0.6
STEWART SX 77			180.9	18.6	84.1	0.0
GOLDEN HARVEST H2650			180.4	20.0	82.8	1.2
NORTHRUP-KING PX74	128.8	143.3	175.9	18.0	92.2	1.9
BO-JAC X56		143.3	174.3	17.8	98.6	0.0
MIGRO M-0601			172.2	19.3	96.2	0.9
ASGROW RX 100		138.5	171.6	20.1	92.5	0.5
BO-JAC X7L	133.4	141.6	171.5	19.3	96.6	0.0
FUNK'S G4737			171.1	19.6	94.3	0.5
PIONEER BRAND 3145			170.7	23.6	91.7	0.0
TROJAN TXS 115A	130.4	137.7	170.2	16.8	90.2	0.8
PIONEER BRAND 3147			170.1	22.0	76.0	0.0
BO-JAC X622A			169.8	20.0	86.7	1.0
TROJAN TX 119A			169.2	18.8	90.7	0.0
DEKALB XL72AA			168.8	18.3	87.5	0.9
ZIMMERMAN Z24Y			167.5	17.4	97.3	0.6
NORTHRUP-KING PX79	127.2	135.4	167.3	16.9	89.4	0.7
GOLDEN ACRES T-E 6992			166.8	18.9	89.6	0.6
ADLERS 62X		132.0	166.4	20.8	87.0	0.9
BO-JAC X57			165.8	19.6	83.2	0.6
HULTING X980	124.3	132.7	165.4	19.8	91.6	1.6
DEKALB XL72B	129.8	136.7	162.5	17.8	85.7	0.6
FUNK'S G4507			162.1	19.4	82.6	0.4
SEED KEM SKX-86		122.3	161.8	17.7	95.7	1.5
STEWART SX 52		127.4	161.7	19.9	96.9	1.9
PIONEER BRAND 3369A			161.2	17.4	91.3	0.5
KENTUCKY 105			160.7	19.5	88.6	5.7
TROJAN TXS 113	115.7	121.2	160.2	17.0	92.8	0.0
FUNK'S G4776			159.0	19.5	86.9	0.6
DEKALB XL78	131.8	132.2	158.0	19.3	92.9	1.2
ACCO UC 9451		112.5	157.8	20.4	83.9	0.8
PIONEER BRAND 3535	118.3	124.2	155.9	16.3	91.6	0.8
RING AROUND RA3502			155.8	17.5	93.2	2.1
MIGRO M-6666			155.5	17.6	95.2	0.0
SUPER CROST 6880			155.1	19.4	82.4	2.0
GOLDEN ACRES T-E 6968			154.1	18.7	93.6	0.9
WILSTAR 7770			153.5	16.7	92.6	1.3
COKER 16	118.4	123.9	153.3	17.3	94.9	1.1
SUPER CROST S85	115.8	124.5	153.2	21.0	85.2	1.1
NORTHRUP-KING PX76	114.6	120.9	151.9	17.7	90.3	0.5
HULTING X990			149.8	16.7	91.1	0.7
STEWART SX 71K	114.6	121.0	149.6	17.2	88.7	0.0
HULTING X770	102.2	103.8	149.1	15.4	91.7	2.4
MIGRO M-7072			146.8	17.7	95.7	0.0
NORTHRUP-KING PX65		113.9	146.3	17.6	85.9	0.3
GOLDEN HARVEST H2666			146.1	18.5	89.5	0.0
FUNK'S G4520			145.7	18.8	87.2	0.3
MASON 7766		117.1	145.5	18.6	87.3	0.9
FUNK'S G4525			145.4	17.8	92.8	1.6
SO. STATES S5750	105.3	112.6	145.1	17.8	94.4	0.6
PREMIER 64L-I			145.0	18.7	93.2	1.5
DEWINE D-5500			143.9	17.2	94.7	1.0
SECURITY S5115			143.2	18.0	81.0	0.0
SEED KEM SKX-66	111.2	117.8	141.9	18.2	80.7	0.3
NORTHRUP-KING PX675			141.0	17.2	84.1	0.3
DEKALB XL65A			141.0	17.9	91.5	1.1
SUPER CROST S67			138.4	17.4	87.6	0.8
SUPER CROST 7772			138.0	19.1	95.7	0.5
MUNCY CHIEF H764	102.4	106.9	130.1	17.4	91.9	2.5
YELLOW AVERAGE	120.0	127.7	160.3	18.6	89.8	0.8
GRAND AVERAGE			160.3	18.6	89.8	0.8

TABLE 14.—ANNUAL SUMMARY, HIGH POPULATION, LEXINGTON, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
BO-JAC X56		180.6	201.2	19.9	97.9	1.7
SUPER CROST 6880			194.8	20.3	77.4	4.2
MIGRO M-EXP-3416			191.9	22.6	88.3	2.2
PIONEER BRAND 3147			190.6	22.3	75.0	6.6
ACCO UC 9451		173.3	189.6	21.0	89.8	7.4
DEKALB XL78	178.8	175.8	188.6	20.8	94.3	4.7
RING AROUND RA1502			188.2	20.1	95.1	4.7
DEKALB XL72AA			186.4	19.1	90.3	2.4
HULTING X880		170.1	185.6	20.6	89.3	2.9
NORTHROP-KING PX74	160.1	173.5	184.6	18.6	89.1	2.7
PIONEER BRAND 3535	169.0	173.1	183.1	18.0	90.2	4.3
FUNK'S G4520			183.0	19.3	87.8	4.1
MIGRO M-6666			182.0	20.5	94.5	5.5
HULTING X980	167.1	172.4	181.4	20.7	90.7	7.5
NORTHROP-KING PX79	167.8	168.0	179.1	18.5	92.6	4.0
ASGROW RX 100		171.1	178.5	22.8	97.5	11.1
PIONEER BRAND 3145			178.3	22.2	86.9	8.4
MIGRO M-7072			178.2	19.8	97.1	6.3
GOLDEN HARVEST H2666			178.0	21.7	91.7	7.4
TROJAN TXS 114	178.9	170.7	177.1	19.4	89.9	6.2
BO-JAC X622A			176.7	20.7	88.0	6.8
ZIMMERMAN Z24Y			175.9	19.3	92.4	12.4
COKER 16	172.9	173.5	175.8	18.7	93.6	6.8
PIONEER BRAND 3369A			174.8	19.7	88.4	14.2
BO-JAC X57			174.7	20.9	85.8	4.4
TROJAN TXS 113	164.6	162.8	174.5	19.1	94.7	2.3
FUNK'S G4507			174.4	20.1	96.2	4.9
STEWART SX 52		159.7	174.2	19.5	90.2	5.9
NORTHROP-KING PX76	172.0	158.7	173.9	20.7	93.6	5.5
PREMIER 64L-I			173.9	20.5	90.0	5.8
SUPER CROST S85	165.6	163.1	173.8	21.9	93.1	5.8
DEKALB XL72B	158.8	163.4	172.0	19.9	84.8	5.9
WILSTAR 7770			171.8	20.6	92.3	2.9
SUPER CROST S67			171.7	18.6	93.7	4.0
BO-JAC X7L	173.2	166.9	171.0	21.4	92.5	2.8
NORTHROP-KING PX675			170.0	19.2	89.2	5.2
SECURITY SS115			170.0	19.9	92.9	4.3
RING AROUND RA3502			169.3	21.2	84.7	1.5
GOLDEN HARVEST H2650			168.4	21.9	86.5	8.0
ADLERS 62X		161.6	168.2	19.6	87.9	13.5
PREMIER 695-I			167.7	21.7	79.5	6.2
DEWINE D-5500			166.8	20.0	90.7	5.5
FUNK'S G4776			166.6	22.0	89.3	17.0
TROJAN TXS 115A	162.4	157.4	166.4	18.8	86.7	3.9
SEED KEM SKX-86		157.9	165.3	20.3	90.2	8.4
GOLDEN ACRES T-E 6992			164.0	19.5	88.7	6.0
FUNK'S G4737			163.9	21.2	98.0	9.1
HULTING X770	154.5	155.9	163.7	16.8	99.3	10.3
MASON 7766		162.0	163.2	19.7	96.9	4.7
MIGRO M-0601			163.0	19.2	98.1	4.6
MIGRO M-7074			162.8	22.2	92.6	8.0
DEKALB XL65A			162.4	20.2	95.3	16.4
TROJAN TX 119A			162.2	20.1	96.2	3.9
GOLDEN ACRES T-E 6968			160.4	20.9	94.2	7.2
HULTING X990			160.4	19.3	91.2	5.7
SUPER CROST 7772			159.7	20.8	90.0	6.0
SEED KEM SKX-66	151.1	150.4	158.7	18.8	87.4	5.6
STEWART SX 71K	153.0	147.4	158.5	19.8	90.7	14.7
FUNK'S G4525			157.8	16.6	96.8	7.7
STEWART SX 77			157.5	20.6	95.8	11.9
SO. STATES SS750	150.8	155.2	157.2	19.1	91.4	7.9
NORTHROP-KING PX65		148.6	156.3	17.6	86.8	4.0
MUNCY CHIEF H764	145.1	145.9	150.6	19.0	94.0	28.4
KENTUCKY 105			145.5	19.8	92.5	28.0
YELLOW AVERAGE	163.6	163.8	172.1	20.1	91.1	7.2
GRAND AVERAGE			172.1	20.1	91.1	7.2



TABLE 15.—ANNUAL SUMMARY, HIGH POPULATION, HARTFORD AND  
LEXINGTON, KY., 1976

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LCDGED
KENTUCKY 105	153.1	19.7	90.6	16.9
STEWART SX 77	169.2	19.6	90.0	5.9
PIONEER BRAND 3369A	168.0	18.6	89.9	7.4
SO. STATES SS750	151.2	18.5	92.9	4.3
PIONEER BRAND 3147	180.3	22.1	75.5	3.3
ASGROW RX 100	175.1	21.5	95.0	5.8
TROJAN TXS 113	167.3	18.0	93.7	1.2
HULTING X770	156.4	16.1	95.5	6.3
MIGRO M-7072	162.5	18.7	96.4	3.2
MUNCY CHIEF H764	140.3	18.2	93.0	15.5
SUPER CROST 7772	148.8	19.9	92.9	3.3
SUPER CROST S85	163.5	21.4	89.2	3.4
ZIMMERMAN Z24Y	171.7	18.3	94.8	6.5
BO-JAC X7L	171.3	20.3	94.6	1.4
MIGRO M-6666	168.7	19.1	94.8	2.8
NORTHRUP-KING PX76	162.9	19.2	91.9	3.0
PIONEER BRAND 3535	169.5	17.1	90.9	2.5
NORTHRUP-KING PX74	180.3	18.3	90.6	2.3
COKER 16	164.6	18.0	94.2	3.9
DEKALB XL72B	167.2	18.9	85.2	3.3
DEKALB XL78	173.3	20.1	93.6	2.9
FUNK'S G4737	167.5	20.4	96.2	4.8
HULTING X980	173.4	20.3	91.2	4.6
SEED KEM SKX-66	150.3	18.5	84.0	3.0
GOLDEN ACRES T-E 6968	157.2	19.8	93.9	4.1
TROJAN TXS 115A	168.3	17.8	88.4	2.4
TROJAN TXS 114	180.4	18.8	86.4	3.1
STEWART SX 71K	154.1	18.5	89.7	7.4
NORTHRUP-KING PX79	173.2	17.7	91.0	2.4
SUPER CROST S67	155.1	18.0	90.7	2.4
PIONEER BRAND 3145	174.5	22.9	89.3	4.2
MIGRO M-7074	173.8	22.4	93.4	4.4
NORTHRUP-KING PX675	155.5	18.2	86.6	2.7
ACCO UC 9451	173.7	20.7	86.9	4.1
ADLERS 62X	167.3	20.2	87.4	7.2
BO-JAC X56	187.8	18.9	98.3	0.9
FUNK'S G4507	168.3	19.7	89.4	2.7
FUNK'S G4525	151.6	17.2	94.8	4.7
GOLDEN ACRES T-E 6992	165.4	19.2	89.1	3.3
GOLDEN HARVEST H2666	162.0	20.1	90.6	3.7
HULTING X880	187.5	19.2	90.9	1.6
MASON 7766	154.4	19.1	92.1	2.8
NORTHRUP-KING PX65	151.3	17.6	86.3	2.2
PREMIER 695-I	177.7	21.9	81.2	3.1
PREMIER 64L-I	159.4	19.6	91.6	3.7
SECURITY SS115	156.6	18.9	87.0	2.1
SEED KEM SKX-86	163.6	19.0	93.0	5.0
STEWART SX 52	168.0	19.7	93.6	3.9
BO-JAC X622A	173.2	20.4	87.3	3.9
BO-JAC X57	170.3	20.3	84.5	2.5
DEKALB XL72AA	177.6	18.7	88.9	1.7
DEKALB XL65A	151.7	19.1	93.4	8.7
FUNK'S G4520	164.3	19.1	87.5	2.2
FUNK'S G4776	162.8	20.8	88.1	8.8
GOLDEN HARVEST H2650	174.4	21.0	84.6	4.6
HULTING X990	155.1	18.0	91.2	3.2
MIGRO M-0601	167.6	19.3	97.2	2.8
MIGRO M-EXP-3416	191.3	20.8	87.8	1.1
RING AROUND RA1502	185.3	19.6	90.8	2.7
RING AROUND RA3502	162.6	19.4	88.9	1.8
SUPER CROST 6880	175.0	19.8	79.9	3.1
WILSTAR 7770	162.6	18.6	92.5	2.1
DEWINE D-5500	155.4	18.6	92.7	3.2
TROJAN TX 119A	165.7	19.5	93.5	2.0
GRAND AVERAGE	166.2	19.4	90.4	4.0

TABLE 16.—TWO-YEAR SUMMARY, HIGH POPULATION, 1975 AND 1976

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LCDGED
HULTING X880	165.6	19.7	90.6	7.0
BO-JAC X56	162.0	19.4	93.5	4.6
NORTHRUP-KING PX74	158.4	18.8	87.1	8.1
TROJAN TXS 114	157.1	19.5	85.3	7.9
DEKALB XL78	156.0	20.2	90.7	9.2
ASGROW RX 100	154.8	21.8	90.8	13.7
BO-JAC X7L	154.2	20.8	91.5	8.9
HULTING X980	152.5	21.2	88.5	11.6
NORTHRUP-KING PX79	151.7	18.4	90.8	7.6
DEKALB XL72B	150.0	20.1	80.1	4.4
COKER 16	148.7	19.4	90.7	5.3
PIONEER BRAND 3535	148.6	17.8	90.3	6.3
TROJAN TXS 115A	147.6	18.6	84.2	3.7
ADLERS 62X	146.8	20.3	86.9	14.4
SUPER CROST S85	143.8	21.7	87.2	7.4
STEWART SX 52	143.5	20.0	90.9	9.0
ACCO UC 9451	142.9	21.2	87.9	9.8
TROJAN TXS 113	142.0	19.2	90.4	5.3
SEED KEM SKX-86	140.1	19.9	90.0	5.9
NORTHRUP-KING PX76	139.8	19.8	89.5	4.5
MASON 7766	139.6	20.0	91.3	7.9
STEWART SX 71K	134.2	19.2	84.1	12.7
SEED KEM SKX-66	134.1	19.2	84.2	6.2
SO. STATES SS750	133.9	19.1	90.5	9.4
NORTHRUP-KING PX65	131.2	17.8	84.8	6.9
HULTING X770	129.9	17.3	88.8	14.2
MUNCY CHIEF H764	126.4	18.9	89.5	19.5
GRAND AVERAGE	145.8	19.6	88.5	8.6

TABLE 17.—THREE-YEAR SUMMARY, HIGH POPULATION, 1974, 1975 AND 1976

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LCDGED
TROJAN TXS 114	157.7	21.1	86.1	9.3
DEKALB XL78	155.3	21.8	90.3	10.2
BO-JAC X7L	153.3	22.1	91.3	10.8
NORTHRUP-KING PX79	147.5	19.8	88.9	9.3
TROJAN TXS 115A	146.4	19.8	84.5	5.4
HULTING X980	145.7	22.3	87.0	13.9
COKER 16	145.7	20.5	89.9	7.0
NORTHRUP-KING PX74	144.4	20.1	85.7	8.5
DEKALB XL72B	144.3	21.2	81.9	6.1
PIONEER BRAND 3535	143.7	18.7	88.7	9.0
NORTHRUP-KING PX76	143.3	20.8	88.6	6.0
SUPER CROST S85	140.7	22.5	87.7	8.4
TROJAN TXS 113	140.1	20.2	89.7	6.6
STEWART SX 71K	133.8	20.2	85.3	13.1
SEED KEM SKX-66	131.1	20.0	83.4	7.1
HULTING X770	128.3	18.7	88.2	17.1
SO. STATES SS750	128.1	20.3	90.9	11.1
MUNCY CHIEF H764	123.8	20.0	88.8	19.9
GRAND AVERAGE	141.8	20.6	87.6	9.9



TABLE 18.—CORN VIRUS TEST, NORMAL POPULATION,  
RUSSELLVILLE, KY., 1976

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LCDGFD
<b>YELLOW</b>				
NORTHRUP-KING PX95	183.6	19.3	82.9	10.9
P-A-G SX 17A	170.7	17.4	86.7	2.4
FUNK'S G4848	166.1	19.1	68.6	2.0
DEKALB XL394	165.2	19.6	85.2	5.7
BO-JAC X83	163.1	17.4	90.5	1.6
FUNK'S EXP 27792	162.0	20.2	84.3	8.4
PICNEEP BRAND 3179	161.7	17.2	76.7	8.5
NORTHRUP-KING PX715	159.1	18.2	87.6	12.9
PIONEER BRAND 3145	159.0	20.4	77.1	2.5
NORTHRUP-KING PX79	158.4	15.5	85.7	1.7
NORTHRUP-KING PX91	157.0	18.0	79.5	5.7
SECURITY SS120A	154.6	17.3	74.8	3.4
PIONEER BRAND 3147	149.6	18.2	64.3	7.7
COKER 18	147.2	18.8	79.5	6.7
COKER 56	146.9	21.1	92.4	6.2
SECURITY SS125	146.4	22.0	81.9	5.1
HULTING EXP 74174	146.4	18.6	80.0	11.9
GUTWEIN 72	146.2	16.5	91.4	10.2
HULTING X770	143.4	15.4	80.5	5.4
HULTING X880	143.4	17.0	80.0	5.6
T-E BINMASTER	142.7	18.5	71.4	7.3
RING AROUND RA3602	142.1	19.6	75.7	2.6
BO-JAC X52A	142.1	16.4	86.7	10.3
ADLERS 62X	142.1	17.4	74.8	9.6
FUNK'S G4776	141.4	19.4	71.4	4.3
O'S GOLD TX105A	140.7	18.2	79.0	12.6
PIONEER BRAND 3364	139.6	17.3	81.0	6.5
MIGRO M-5045	139.2	16.2	85.2	6.0
HULTING X990	138.0	16.5	84.3	7.8
SEED KEM SKX-68	137.8	15.3	84.8	9.0
PRINCETON SX 840	137.8	18.4	68.1	4.3
HULTING X980	136.9	17.6	73.3	5.9
ADLERS 87X	136.0	19.2	84.8	3.1
DEKALB XL72B	133.6	16.8	72.9	5.4
KENTUCKY 105	133.3	17.9	76.7	14.9
TROJAN MDM 116	133.2	15.7	79.0	5.1
ADLERS 66X	131.6	16.7	65.7	6.9
GOLDEN HARVEST XC8014	128.3	17.9	75.2	14.4
MIGRO M-600	126.6	16.1	78.6	3.5
FUNK'S G4525	124.3	16.1	63.3	0.7
FUNK'S EXP 26630	123.7	17.3	64.8	5.9
VORIS SEEDS V2632	123.5	16.4	78.1	8.6
MASON 9998	121.6	16.8	76.7	6.2
NORTHRUP-KING PX723	121.3	19.4	65.7	7.3
VORIS SEEDS V26-1	120.7	18.8	80.0	10.9
SO. STATES SS760	114.9	16.2	61.0	9.3
PING AROUND RA 2601	110.1	22.0	56.7	4.3
GOLDEN HARVEST H2740A	101.3	17.9	65.2	6.6
O'S GCLD SX5500	82.3	17.3	49.5	2.8
<b>YELLOW AVERAGE</b>	<b>140.4</b>	<b>17.8</b>	<b>76.6</b>	<b>6.6</b>
<b>WHITE</b>				
ZIMMERMAN Z52W	167.7	20.3	82.4	6.3
SO. STATES SS950W	154.1	20.6	81.4	10.9
FUNK'S G4747W	153.1	20.7	84.8	6.2
GOLDEN HARVEST H2660W	151.1	20.3	79.5	10.1
PRINCETON SX 910	149.8	20.3	73.8	10.5
SEED KEM SK-71AW	146.7	19.8	73.8	8.4
NORTHRUP-KING PX718W	144.9	19.4	69.5	8.7
ZIMMERMAN Z11W	141.4	19.5	75.7	10.7
KENTUCKY 5921W	131.9	16.7	68.1	4.6
T-E M-20-W	131.1	17.1	80.0	9.1
P-A-G 644W	129.6	17.4	67.1	8.7
RING AROUND RA2602W	126.5	20.2	62.9	6.3
MCNAIF X233	112.0	18.7	55.7	10.3
<b>WHITE AVERAGE</b>	<b>141.5</b>	<b>19.3</b>	<b>73.4</b>	<b>8.5</b>
<b>GRAND AVERAGE</b>	<b>140.7</b>	<b>18.1</b>	<b>76.0</b>	<b>7.0</b>

TABLE 19.—TWO-YEAR SUMMARY, CORN VIRUS TEST, NORMAL POPULATION,  
1974 AND 1976

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
PIONEER BRAND 3147	1.0	144.9	22.4	68.1	3.8
P-A-G SX 17A	1.0	149.3	20.4	86.8	3.3
MIGRO M-600	1.0	125.4	19.4	79.9	4.9
VORIS SEEDS V2632	1.3	115.2	19.7	81.0	5.8
PICNEER BRAND 3145	1.3	138.5	23.5	83.9	2.6
PIONEER BRAND 3179	1.7	137.2	20.7	79.7	7.1
NORTHRUP-KING PX91	1.7	144.3	21.0	84.6	3.7
KENTUCKY 105	2.0	115.0	21.5	84.4	9.7
COKER 56	2.0	113.9	25.5	82.6	8.5
DEKALB XL72B	2.0	120.9	20.8	77.1	5.0
HULTING X770	2.7	113.1	18.4	73.3	7.8
BC-JAC X83	3.7	130.9	20.2	87.7	5.4
YELLOW AVERAGE	1.8	129.1	21.1	80.8	5.6
WHITE					
PRINCETON SX 910	1.0	131.0	23.4	84.0	6.1
ZIMMERMAN Z11W	1.3	119.9	23.5	84.2	6.5
ZIMMERMAN Z52W	1.3	142.8	23.5	84.4	5.3
KENTUCKY 5921W	2.7	112.5	20.5	73.1	5.1
WHITE AVERAGE	1.6	126.5	22.7	81.4	5.8
GRAND AVERAGE	1.7	128.4	21.5	80.9	5.7



TABLE 20.—THREE-YEAR SUMMARY, CORN VIRUS TEST, NORMAL POPULATION,  
1973, 1974 AND 1976

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
P-A-G SX 17A	1.3	115.0	20.7	86.9	2.2
VOPIS SEEDS V2632	1.3	99.1	18.8	85.1	4.8
PIONEER BRAND 3147	1.3	114.6	23.1	73.3	4.1
PIONEER BRAND 3179	1.8	111.7	21.0	78.9	5.4
KENTUCKY 105	2.3	88.3	22.0	83.4	6.9
COKER 56	2.3	92.8	24.7	80.8	7.7
HULTING X770	2.5	95.0	17.9	76.5	11.9
BO-JAC X83	2.8	112.2	19.8	87.8	5.5
YELLOW AVERAGE	1.9	103.6	21.0	81.6	6.1
WHITE					
ZIMMERMAN Z11W	1.7	93.8	24.1	74.7	4.3
KENTUCKY 5921W	3.1	82.9	21.6	76.0	3.8
WHITE AVERAGE	2.4	88.3	22.9	75.4	4.1
GRAND AVERAGE	2.0	100.5	21.4	80.3	5.7

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