



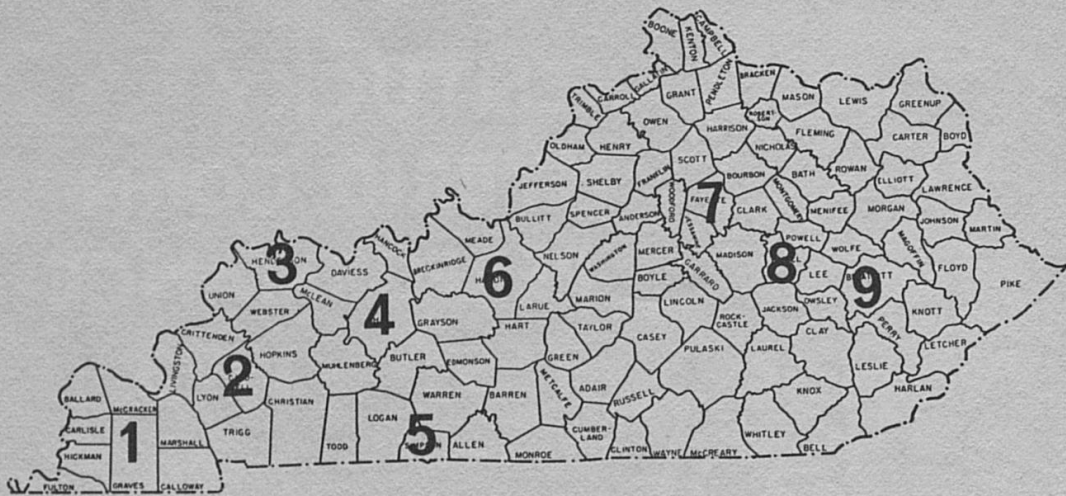
# KENTUCKY HYBRID CORN PERFORMANCE TEST — 1973

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PROGRESS REPORT 212

UNIVERSITY OF KENTUCKY  
COLLEGE OF AGRICULTURE  
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Lexington

## TESTING LOCATIONS OF THE 1973 KENTUCKY HYBRID CORN PERFORMANCE TRIALS



*(Locations identified in Table 3.)*

### ACKNOWLEDGMENTS

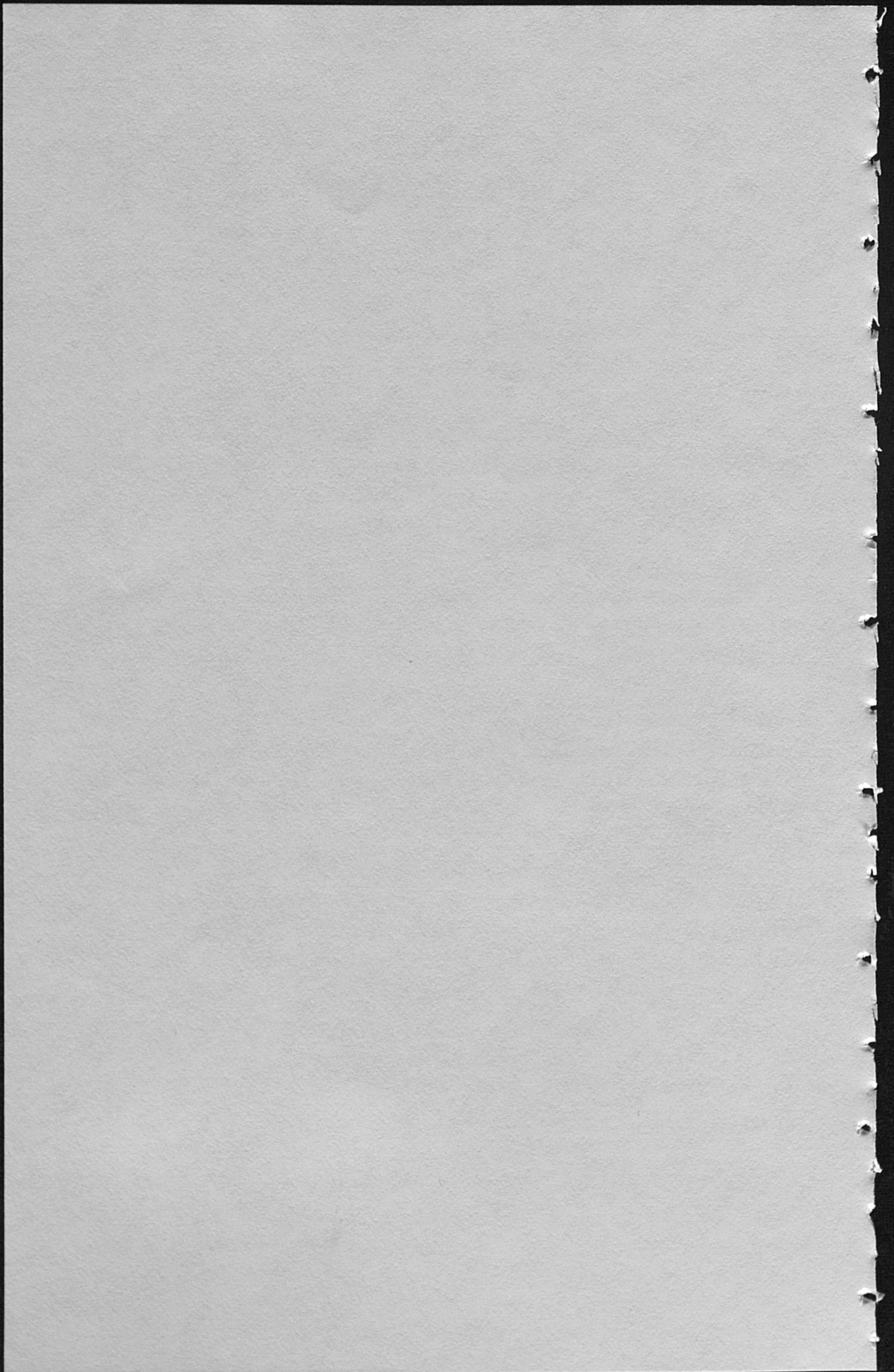
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# Kentucky Hybrid Corn Performance Test 1973

*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. This information can be a valuable aid to corn growers as they select hybrids for use in the following season.

## PRESENTATION OF DATA

Complete 1973 data are presented for each location where a test was conducted. Two-year and three-year yield averages (1972 and 1973 data) are also included in each of these tables. Readers are encouraged to consider these multiple-year averages and the average over all locations in 1973 (Tables 12, 13, and 14) since these are better estimates of a hybrid's relative yield ability than data gathered at one location in one year. Data from 1972 and 1971 are used in the 2- and 3-year summaries over all locations in Tables 13 and 14.

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.

## TESTING PROCEDURE

### SELECTION OF HYBRIDS

Ky 105 and Ky 5921W (Table 1) were again included as check varieties to compare performance over years. Seed of each commercial hybrid (Table 2) was obtained from dealers in Kentucky whenever possible.

Those hybrids grown in the corn virus test and high population tests are indicated in column 2 of Table 2. 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; thus, not all hybrids will appear in the virus or high-population test results.

#### LOCATION OF TESTS

The map on page 2 shows the location for each test. The Lexington and Princeton locations had both normal and high population tests, while all other locations had only the normal population. The Irvine 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 test at Elizabethtown was planted in a fescue sod and at Franklin in winter wheat, using recommended no-tillage practices. The test areas were treated with herbicide and supplemented by post-emergence cultivation when necessary. Table 3 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 an appropriate balanced lattice design. A separate randomization was used for each location. Yields presented in Tables 4 through 22 are adjusted for block and replication differences when shown applicable by statistical analyses.



## PLANTING

All plots were planted with a two-row no-till corn 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. Population was varied by planting different numbers of kernels per row. A normal population test had 20,000 kernels planted per acre, while the high population test had 26,000 kernels planted 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. Later, acre 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 remaining in each plot at harvest and the number of lodged plants were recorded immediately prior to harvest.

## CORN VIRUS

In addition to maize dwarf mosaic virus, a second virus has been found in Kentucky corn fields. Both the new virus and maize dwarf mosaic virus overwinter in Johnsongrass, and both are probably present in most areas where maize dwarf mosaic virus had previously been determined as the major disease. For this reason, the Irvine, Ky. test (Tables 20-22) will be referred to as the "corn virus test" with the understanding that resistance to both maize dwarf mosaic and the newly discovered virus is being evaluated.

TABLE 1.—PEDIGREES OF EXPERIMENT STATION HYBRIDS TESTED  
IN 1973.

Hybrid	Color	Cross	Pedigree
Ky 105	Yellow	4X	(T8 x C121E) (38-11 x Oh 7B)
Ky 5921W	White	4X	(CI64 x 33-16) (Ky 201 x CI66)



TABLE 2.—HYBRIDS TESTED IN 1973.

Hybrid *		Test**	Color	Cross <sup>+</sup>	Source of Hybrid
Asgrow	RX 100	A	Yellow	2X	Asgrow Seed Co.
	RX 115	AC	"	2X	Des Moines, Ia.
	RX 132	C	"	3X	50310
Bo-Jac	X1A	A	Yellow	2X	Bo-Jac Hybrid Corn Co.
	X7L	BC	"	2X	Route # 2
	X62	B	"	2X(Mod)	Mt. Pulaski, Ill.
	X83	AC	"	2X	62548
	X87L	BC	"	2X(Mod)	
	X91	BC	"	2X(Mod)	
	X4858	B	"	2X	
	8371	C	"	4X	
B & B	9-2	A	Yellow	2X	Broadbent Hybrids
	10-3	A	"	3X	Route # 1
	11-7	A	"	2X	Cadiz, Ky. 42211
Coker	56	C	Yellow	4X	Cokers Pedigreed Seed Co. P.O.Box 340 Hartsville, S.C. 29550
Dekalb	XL43	B	Yellow	2X	Dekalb Agr. Research Inc.
	XL64	AB	"	2X	Dekalb, Ill. 60015
	XL70	C	"	2X	
	XL72A	A	"	2X	
	XL74	A	"	2X	
	XL80	A	"	2X	
	XL85A	A	"	2X	
	1002	C	"	4X	
	XL390W	A	White	3X	
	Super Crost	S85	A	Yellow	2X
7772		A	"	2X(Mod)	P.O. Box 67
8282		B	"	2X(Mod)	Kentland, Ind. 47951
8442		B	"	2X(Mod)	
Funk	G-4628	A	Yellow	2X	Funk Seeds International, Inc.
	G-4646	AB	"	2X(Mod)	1300 W. Washington
	G-4648	A	"	2X(Mod)	Bloomington, Ill.
	G-4761	C	"	3X	61701
	G-4762	C	"	3X	
	G-4808	C	"	2X	
	G-4864	A	"	3X	
	G-5757	A	"	4X	
	Exp. 26205	B	"	3X	

(Footnotes appear at end of table.)

(continued)

TABLE 2.--(continued)

Hybrid*		Test**	Color	Cross <sup>+</sup>	Source of Hybrid
Gutwein	80	A	Yellow	2X	Fred Gutwein & Sons, Inc. R.R. 1, Box 40 Francesville, Ind. 47946
	86	A	"	2X	
	89	B	"	2X	
Holden	1020	C	Yellow	3X	Holdens Foundation Seeds Williamsburg, Ia. 52361
	1022	C	"	2X(Mod)	
	1028	C	"	2X(Mod)	
Hulting	X770	BC	Yellow	2X	"Hulting Hybrids"-Div. of Ferry-Morse Box 24 Geneseo, Ill. 61254
	X877	AC	"	2X	
	X8775	C	"	3X	
	X9880	AB	"	3X	
McNair	X180	ABC	Yellow	2X	McNair Seed Co. P.O. Box 706 Laurinburg, N.C. 28352
	X190	ABC	"	2X	
	X210	ABC	"	2X	
	X300	BC	"	2X	
	225	BC	White	4X	
	X233	B	"	2X	
Migro	M-0711	AB	Yellow	2X	Migro Hybrids Box 7 Mitchell, Ind. 47446
	M-5045	B	"	4X	
	M-6646	B	"	2X	
	M-6666	B	"	2X	
	M-7072	AB	"	2X	
	M-7701	A	"	2X	
	Exp. 7070	B	"	2X	
	Exp. 7090	B	"	2X	
Moews	SM822	A	Yellow	2X	Moews Seed Co. P.O.Box 277 Granville, Ill. 61326
	101W	A	White	2X	
Muncy Chief	SX550	B	Yellow	2X	Muncy Chief Hybrids Market & High Streets Muncy, Pa. 17756
	SX662	AB	"	2X	
	H764	B	"	4X	
	3X898	A	"	3X	
Northrup-King	PX50A	B	Yellow	2X	Northrup, King & Co. 1500 Jackson St., N.E. Minneapolis, Minn. 55413
	PX74	B	"	2X	
	PX76	B	"	2X	
	PX77	A	"	2X	
	PX616	A	"	2X	
	PX670	A	"	3X	
	NK1922	C	"	3X	
	NK1923	C	"	3X	
	NK1925	C	"	3X	

(continued)



TABLE 2.--(continued)

Hybrid*	Test**	Color	Cross <sup>+</sup>	Source of Hybrid	
P.A.G.	SX17A	C	Yellow	2X	P.A.G. Seeds Box 2187 Loop Station Minneapolis, Minn. 55402
	SX39	A	"	2X	
	SX92	A	"	2X	
	SX98	A	"	2X	
	SX520	A	"	2X	
	SX70W	A	White	2X	
	644W	A	"	3X	
Pioneer Brand	3147	C	Yellow	2X(Mod)	Pioneer Hi-Bred, Inc. 221 N. Main St. Tipton, Ind. 46072
	3179	C	"	2X(Mod)	
	3334A	A	"	2X	
	3368	A	"	2X(Mod)	
	3369A	A	"	2X	
	3571	AB	"	2X	
	Ex p.0366A	B	"	"	
	511A	A	White	4X	
Princeton	SX-650	C	Yellow	2X	Princeton Farms P.O.Box 319 Princeton, Ind. 47670
	SX-836	A	"	2X	
	SX-850	A	"	2X	
	SX-935	C	White	SP	
	990-A	A	"	4X	
Rickard	R600	A	Yellow	4X	F. W. Rickard Seeds Inc. Winchester, Ky.40391
	R606	A	"	4X	
Southern States	SS698	A	Yellow	SP	Southern States Coop.,Inc. 2600 Durham St. Richmond, Va. 23220
	SS750	A	"	SP	
	SS775	A	"	2X	
	SS866	C	"	4X	
Stewart	SX54	B	Yellow	2X	Stewart Hybrids Princeville, Ill.61559
	SX58	A	"	2X	
	SX71	A	"	2X	
S.S. Hybrids	JX86	A	Yellow	2X	S.S. Hybrids Camden, Ind. 46917
	JX87	A	"	2X	
Stull	707	AB	Yellow	2X	Stull Hybrids Inc. P.O.Box 7 Sebree, Ky. 42455
	720	A	"	2X	
	809	B	"	2X	
	809A	AC	"	3X	
	877	B	"	2X	
	911	C	"	3X	
	Exp.8092	B	"	2X	
	Exp.8233	B	"	3X	
	450W	C	White	4X	
	555W	C	"	4X	
	560W	C	"	3X	
	850W	A	"	2X	

(continued)

TABLE 2.--(continued)

Hybrid*		Test**	Color	Cross <sup>+</sup>	Source of Hybrid
Taylor-Evans	Mastermaker	A	Yellow	2X	Taylor-Evans Seed Co. P.O. Box 68 Tulia, Tx. 79088
	Binmaster	A	"	4X	
	(Exp. 6930)				
	Exp. 6935	A	"	2X	
	VR-20-Y	C	"	4X	
	M-20-W	AC	White	4X	
Thompson	SX10Y	A	Yellow	2X	Thompson Hybrid Seed Corn R.R.#2, Box 150 Hillsboro, Ky. 41049
	T120Y	A	"	4X	
Trojan	X54	C	Yellow	2X	Trojan Seed Co. Windfall, Ind. 46076
	MDM111	C	"	2X	
	TX113	AB	"	3X	
	TXS113	AB	"	2X	
	TX117	AB	"	3X	
	TXS124	A	"	2X	
	X2722	C	"	2X (Mod)	
	X3524	C	"	3X	
Voris	V2502	AB	Yellow	2X	Voris Seeds, Inc. Box 457 Windfall, Ind. 46076
	V2562	B	"	2X	
	V2622	A	"	2X	
	V2632	C	"	2X	
Zimmerman	Z24	AC	Yellow	2X	Zimmerman's Hybrids R.R.#2 Evansville, Ind. 47712
	Z10	A	White	2X	
	Z11	AC	"	2X	

\* NOTE: The names Pioneer, Dekalb, Funk, P.A.G., etc. refer to the company while the number in the second column is the hybrid designation.

\*\* A = Performance test-Normal population, B = Performance test-High population, C = Corn virus test-Normal population.

+ 2X = Single cross, 3X = Three-way cross, 4X = Double cross, SP = Special Cross.



TABLE 3.—AGRONOMIC INFORMATION PERTAINING TO 1973 TEST LOCATIONS.

Location and Cooperator	Soil Type	Fertilizer Applied	Herbicide Treatment	Planting Date	Harvest Date	Comments
(1) Mayfield, Ky. Berthal Johnson	Collins Silt Loam	N-100 lbs/A P- 22 lbs/A K- 25 lbs/A	AAtrex and Lasso Broadcast	May 22	Oct. 16	Furadan applied at all locations
(2) Princeton, Ky. Western Ky. Substation	Huntington & Lindsie Silt Loam	N-150 lbs/A P- None K- 50 lbs/A	AAtrex and Sutan Preplant	May 10 " 15	Sept. 21 " 26	
(3) Henderson, Ky. James McConathy	Wakeland Silt Loam	N-100 lbs/A P- 40 lbs/A K-100 lbs/A	AAtrex and Sutan Preplant	June 8	Oct. 17 " 18	
(4) Hartford, Ky. Walter & Earl Campbell	Stendal Silt Loam	N-200 lbs/A P- 35 lbs/A K- 66 lbs/A	AAtrex and Sutan Preplant	June 9	Oct. 22	
(5) Franklin, Ky. Bob Wade	Pembroke Silt Loam	N-190 lbs/A P- 20 lbs/A K- 18 lbs/A	AAtrex, Paraquat, and Surfactant	May 9	Sept. 18 " 19	No-till Small Grain
(6) Elizabethtown, Ky. Morris Ray Cave and A. C. Summers	Crider Silt Loam	N-200 lbs/A P- 44 lbs/A K- 83 lbs/A	AAtrex, Paraquat, and Surfactant	May 16	Sept. 27 "	No-till Fescue Sod
(7) Lexington, Ky. Ky. A.E.S. Spindletop Farm	Lanton Silt Loam	N-150 lbs/A P- None K- 50 lbs/A	AAtrex and Sutan Preplant	May 18	Oct. 2 thru Oct. 9	
(8) Irvine, Ky. A. C. Arvin	Elk Silt Loam	N- 12 lbs/A P- 5 lbs/A K- 10 lbs/A	2,4-D Post-emergence	May 17	Oct. 11	Corn Viruses
(9) Quicksand, Ky. Robinson Substation	Philo Silt Loam	N-250 lbs/A P- 53 lbs/A K-100 lbs/A	AAtrex and Princep Broadcast	June 12	Oct. 24 " 25	

TABLE 4.--ANNUAL SUMMARY, NORMAL POPULATION, MAYFIELD, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1973 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
T-E EXP. 6935		149.5	169.5	17.7	94.8	1.1
ZIMMERMAN 224			167.3	16.1	95.8	1.1
MIGRO M-7701		155.0	162.7	17.0	94.8	2.7
MCNAIR X190			153.8	19.3	88.5	0.6
FUNK'S G4648			151.4	16.8	89.1	2.4
MIGRO M-7072			149.4	16.3	92.2	2.3
SUPER CROST 7772			148.7	16.3	88.5	0.6
PIONEER BRAND 3369A	166.6	152.2	145.5	16.3	87.5	2.4
GUTWEIN 80			142.3	16.6	81.8	0.7
BO-JAC X1-83		142.8	144.5	16.2	90.6	11.1
NORTHROP-KING PX77			144.0	15.9	93.2	1.7
S S HYBRIDS JX-87			143.6	17.0	86.5	1.2
STEWART SX 71	141.3	128.8	143.4	17.9	85.9	1.1
HULTING X9880			143.4	19.0	87.0	0.0
P-A-G SX 98			143.0	19.1	84.9	0.0
ASGROW RX 115		148.3	142.8	16.9	86.5	12.0
TROJAN TXS 113			141.0	16.3	84.9	1.9
P-A-G SX 92			140.8	17.8	89.1	1.7
DEKALB XL80			139.8	17.9	83.9	2.5
DEKALB XL72A		141.3	139.5	18.1	88.0	0.0
DEKALB XL74		131.8	138.8	15.5	87.0	1.2
DEKALB XL85A	153.2	135.4	138.6	18.5	81.3	3.3
T-E MASTERMAKER	124.1	98.3	138.2	19.9	88.5	2.4
GUTWEIN 86			137.9	15.5	87.0	0.0
S S HYBRIDS JX-86			136.6	17.5	74.0	0.0
TROJAN TX 113			136.3	18.4	85.9	1.2
MUNCY CHIEF 3X898			135.0	17.7	78.6	0.7
PIONEER BRAND 3368	162.2	148.2	135.0	16.6	81.3	0.7
HULTING X877		123.4	134.0	15.8	87.0	1.8
STULL'S SX707			133.2	16.8	85.9	1.7
STEWART SX 58			132.0	17.1	75.5	0.0
ASGROW RX 100	133.7	142.0	131.9	19.5	87.5	0.6
PIONEER BRAND 3571	127.0	124.8	131.7	14.5	88.0	0.0
MUNCY CHIEF SX662		125.8	131.5	16.5	89.6	2.3
MCNAIR X210		138.3	131.3	17.5	88.5	0.6
BO-JAC X1A			131.2	15.3	81.3	4.6
FUNK'S G4628			130.9	19.1	83.3	1.9
PIONEER BRAND 3334A			130.6	15.7	76.0	0.0
VORIS SEEDS V2502			129.5	14.9	93.8	0.0
VORIS SEEDS V2622			128.8	16.9	89.6	0.0
NORTHROP-KING PX670		123.2	127.6	15.5	88.5	3.4
DEKALB XL64	112.6	97.2	127.0	16.6	89.6	1.8
PRINCETON SX 836	147.7	134.4	124.9	19.5	83.3	1.3
MIGRO M-0711	141.3	124.8	124.8	19.2	88.0	0.6
P-A-G SX 520		128.0	123.9	15.7	89.1	1.2
MOEWS SM822			123.7	16.4	78.1	4.3
B & B 11-7			123.1	18.0	90.1	11.7
T-E EXP. 6930		113.5	122.3	18.6	78.6	0.7
B & B 10-3			122.3	16.4	85.4	2.5
FUNK'S G4864			120.9	18.8	81.3	1.3
TROJAN TX 117			120.6	16.0	80.7	0.0
TROJAN TXS 124			120.4	16.1	88.0	6.3
THOMPSON SX10Y			120.0	16.4	72.4	0.0
FUNK'S G5757	128.2	107.1	118.8	17.4	82.3	2.0
RICKARD R-600			118.5	15.9	85.9	2.5
STULL'S SX720			118.0	16.4	85.4	0.0
SO.STATES SS750		113.5	117.2	15.6	89.6	5.3
SO.STATES SS698		103.1	116.6	16.9	87.0	3.6
FUNK'S G4646	132.6	115.1	114.3	18.1	78.1	0.8
PRINCETON SX 850	146.4	128.2	113.0	15.9	78.6	0.0
SO.STATES SS775			111.6	16.2	87.5	3.0
NORTHROP-KING PX616	130.4	130.4	111.1	14.8	80.7	0.6
B & B 9-2			111.0	15.9	82.8	3.6
STULL'S 809A SP			106.8	16.7	77.1	4.7
RICKARD R-606			104.4	15.8	75.0	1.3
MCNAIR X180			103.7	15.1	75.5	0.9
P-A-G SX 39	143.0	121.6	103.0	17.7	64.1	2.4
KENTUCKY 105	99.5	101.3	102.8	17.4	83.3	7.9
SUPER CROST S85			100.0	18.8	62.5	0.0
THOMPSON T-120Y		103.3	94.7	17.2	60.4	1.2
YELLOW AVERAGE	136.9	127.3	130.0	17.0	84.2	2.1
WHITE						
KENTUCKY 5921W	136.3	137.5	142.2	16.7	91.7	4.0
MOEWS 101N	166.3	151.0	141.3	17.7	90.6	4.1
DEKALB XL390W		139.7	136.8	17.6	91.7	2.2
PIONEER BRAND 511A	157.5	139.9	134.7	18.5	79.7	5.5
P-A-G 644W	142.1	138.4	124.0	18.2	85.4	2.4
P-A-G SX 70W		143.2	123.1	18.4	91.7	0.6
PRINCETON 990-A			122.6	17.6	87.5	7.4
STULL'S 850W SX	148.7	135.4	118.8	18.0	81.3	12.1
ZIMMERMAN Z11			113.5	20.4	56.3	0.8
ZIMMERMAN Z10			108.8	17.1	75.5	7.9
T-E M-20-W			96.1	17.2	56.3	0.0
WHITE AVERAGE	150.2	140.7	123.8	17.9	80.7	4.3
GRAND AVERAGE	139.5	129.7	129.2	17.1	83.7	2.4



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

HYBRID	3-YR	2-YR	YIELD BU/AC	1973 RESULTS		
	YIELD BU/AC	YIELD BU/AC		AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
RICKARD R-600			166.8	19.6	85.9	0.0
MIGRO M-7072			158.8	20.4	85.9	0.0
P-A-G SX 98			158.1	21.4	85.9	0.0
P-A-G SX 520		141.1	156.3	20.4	82.3	0.6
BO-JAC X1-83		149.2	151.7	19.4	90.1	0.0
T-E EXP. 6935		149.6	151.3	21.6	89.6	1.8
ZIMMERMAN Z24			150.2	19.9	91.1	0.0
DEKALB XL72A		131.8	147.4	21.1	82.8	0.0
MIGRO M-7701		141.6	146.6	21.0	83.9	1.8
MCNAIR X190			146.5	22.3	84.4	0.0
P-A-G SX 39	144.2	141.7	144.5	21.8	79.7	0.0
S S HYBRIDS JX-86			144.0	20.6	83.9	0.0
PIONEER BRAND 3368	146.1	142.3	142.6	20.8	77.1	0.7
SO. STATES SS750		141.0	140.7	20.4	90.1	0.0
FUNK'S G4628			140.4	22.8	78.1	1.2
B & B 10-3			137.4	19.9	85.4	0.6
B & B 9-2			137.3	21.7	81.3	0.0
MCNAIR X210		126.6	136.7	22.6	81.3	0.0
DEKALB XL80			136.0	24.0	79.2	0.0
PIONEER BRAND 3571	125.2	125.7	135.8	17.5	87.0	0.6
VORIS SEEDS V2622			134.5	20.8	82.8	0.0
STULL'S SX720			134.3	20.3	82.3	0.0
STEWART SX 71	138.4	128.2	133.8	20.3	83.9	0.0
FUNK'S G4648			133.8	24.1	83.3	0.7
DEKALB XL85A	145.0	141.9	133.3	22.8	80.7	0.7
FUNK'S G4864			132.4	23.5	83.3	0.0
T-E MASTERMAKER	128.3	112.4	131.1	23.4	76.0	0.0
ASGROW RX 115		138.3	130.5	22.5	84.9	0.0
MUNCY CHIEF 3X898			130.1	21.9	79.2	0.7
B & B 11-7			130.0	21.3	74.5	1.0
PRINCETON SX 850	140.0	129.5	129.7	19.4	76.6	0.7
STULL'S 809A SP			129.5	21.7	81.3	1.2
MOEWS SM822			129.4	21.3	71.9	2.9
NORTHRUP-KING PX77			126.8	19.5	79.7	0.6
MUNCY CHIEF SX662		114.7	126.7	22.1	82.3	1.2
NORTHRUP-KING PX670		116.7	125.7	20.4	88.5	0.6
RICKARD R-606			125.6	21.8	84.9	0.0
ASGROW RX 100	128.2	131.8	124.2	21.8	71.9	0.0
PIONEER BRAND 3369A	141.6	132.5	123.6	19.7	78.1	0.0
FUNK'S G4646	130.3	121.9	121.7	21.7	74.5	0.7
BO-JAC X1A			121.2	19.8	70.3	1.3
PIONEER BRAND 3334A			120.2	21.4	84.4	0.0
SUPER CROST 7772			119.7	20.2	77.6	0.0
GUTWEIN 80		134.0	119.5	21.9	72.9	0.8
HULTING X9880			118.8	22.5	66.7	1.4
P-A-G SX 92			118.4	23.9	81.3	1.2
HULTING X877		123.4	117.5	23.8	82.3	0.0
SO. STATES SS698		116.2	116.6	19.7	80.7	0.0
DEKALB XL74		131.4	116.4	21.1	81.8	0.0
TROJAN TX 117			116.0	21.0	74.0	0.0
MIGRO M-0711	134.8	121.3	114.3	21.8	71.4	0.0
STEWART SX 58			113.8	23.2	69.8	0.0
MCNAIR X180			112.6	20.7	76.6	0.8
FUNK'S G5757	125.9	116.3	112.4	24.2	77.6	1.3
KENTUCKY 105	82.8	99.3	111.4	22.1	77.6	2.0
S S HYBRIDS JX-87			111.2	21.2	68.8	3.1
DEKALB XL64	118.0	117.0	110.2	21.8	77.6	0.0
THOMPSON SX10Y			110.0	20.7	64.6	0.0
PRINCETON SX 836	120.3	114.3	108.1	19.9	78.1	0.0
SUPER CROST S85			106.0	22.8	65.1	0.7
TROJAN TXS 124			104.9	20.4	81.8	1.8
SO. STATES SS775			102.0	20.7	66.1	3.7
THOMPSON T-120Y		98.0	99.4	23.7	71.4	0.0
NORTHRUP-KING PX616	109.8	109.8	95.0	20.3	66.7	3.4
TROJAN TXS 113			93.2	20.6	63.0	0.0
STULL'S SX707			89.6	21.2	84.9	0.0
T-E EXP. 6930		84.7	89.4	23.6	58.9	0.7
VORIS SEEDS V2502			88.7	19.2	71.9	0.0
TROJAN TX 113			87.1	23.3	64.6	0.0
GUTWEIN 86			87.1	20.6	60.4	6.3
YELLOW AVERAGE						
	128.7	125.8	124.9	21.4	78.2	0.7
WHITE						
PIONEER BRAND 511A	147.2	142.9	141.4	22.2	82.3	0.0
P-A-G 644W	148.0	141.0	136.8	22.8	84.4	0.0
P-A-G SX 70W		145.7	135.8	24.3	87.0	0.6
KENTUCKY 5921W	103.3	122.3	132.3	23.1	80.7	0.0
STULL'S 850W SX	146.8	135.6	131.7	23.8	82.8	2.5
ZIMMERMAN Z10			127.8	27.2	68.2	0.0
DEKALB XL390W		141.0	126.1	24.3	79.7	0.7
ZIMMERMAN Z11			117.5	24.2	58.9	0.0
T-E M-20-W			115.6	24.5	74.0	0.0
PRINCETON 990-A			113.9	22.0	80.7	0.6
MOEWS 101N	138.8	126.2	102.7	24.8	81.3	4.0
WHITE AVERAGE						
	136.8	136.4	125.6	23.9	78.2	0.8
GRAND AVERAGE						
	129.8	127.7	125.0	21.7	78.2	0.7

TABLE 6.--ANNUAL SUMMARY, NORMAL POPULATION, HENDERSON, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	YIELD BU/AC	1973 RESULTS		
				AVG % MOIST	AVG % STAND	TOTAL % LOGGED
YELLOW						
PIONEER BRAND 3369A	157.6	162.9	180.7	20.2	94.8	0.5
BO-JAC X1-83		157.0	176.6	19.9	92.2	0.0
DEKALB XL80			174.0	22.0	93.8	5.1
ZIMMERMAN Z24			172.8	20.5	96.9	0.0
S S HYBRIDS JX-87			170.0	21.1	92.2	0.0
T-E EXP. 6935		157.0	169.4	21.1	94.8	1.1
FUNK'S G4628			169.1	21.1	93.8	0.6
MIGRO M-7072			168.4	20.2	91.1	0.0
MIGRO M-7701		153.6	168.3	23.4	90.1	1.7
TROJAN TXS 113			167.4	21.0	94.3	1.1
BO-JAC X1A			164.5	20.5	96.4	1.1
B & B 11-7			164.0	21.3	89.6	1.2
ASGROW RX 115		151.9	163.7	22.5	90.6	0.0
SUPER CROST 7772			163.4	20.7	94.3	1.7
MCNAIR X190			163.2	22.8	89.6	2.3
PIONEER BRAND 3368	146.6	145.3	162.6	20.2	85.9	0.0
SO.STATES S5775			162.4	20.3	94.3	0.0
PRINCETON SX 850			161.9	20.3	94.8	0.5
T-E MASTERMAKER	148.9	154.0	160.5	23.9	90.6	1.2
P-A-G SX 39	127.2	124.8	160.0	22.7	88.5	0.0
PRINCETON SX 836	142.6	145.7	159.3	18.8	91.7	1.1
P-A-G SX 92	137.1	148.5	158.9	23.9	91.7	2.3
TROJAN TX 113			158.4	21.5	94.3	0.0
P-A-G SX 98			157.8	22.2	87.5	2.4
DEKALB XL72A		140.2	157.4	23.1	91.7	0.0
S S HYBRIDS JX-86			156.9	20.2	89.6	3.5
TROJAN TX 117			156.8	21.2	85.9	1.8
GUTWEIN 80		151.8	155.7	20.9	88.0	1.2
RICKARD R-600			155.4	20.7	89.6	4.0
DEKALB XL85A	138.9	145.0	155.2	23.0	85.4	0.6
SO.STATES S5750		135.6	155.2	20.4	93.8	1.1
B & B 9-2			155.0	19.6	94.8	0.5
NORTHROP-KING PX77			154.0	19.0	99.0	0.0
STEWART SX 71	140.0	138.2	153.7	20.1	86.5	1.1
HULTING X9880			152.9	22.4	93.2	1.6
FUNK'S G4864			152.6	22.2	91.7	0.0
GUTWEIN 86			152.4	20.5	93.8	7.8
ASGROW RX 100	126.2	138.6	152.1	21.4	85.9	0.0
STEWART SX 58			150.7	21.9	85.9	1.3
RICKARD R-606			149.8	20.6	92.2	1.6
FUNK'S G4648			148.9	23.2	91.1	1.8
VORIS SEEDS V2622			148.9	21.7	91.1	0.0
B & B 10-3			148.8	20.2	91.1	0.0
PIONEER BRAND 3571	127.0	133.5	148.3	16.9	90.6	0.0
P-A-G SX 520		135.5	148.0	20.7	91.7	5.1
FUNK'S G4646	136.4	134.5	147.2	22.4	90.1	1.2
MCNAIR X210		132.3	147.0	23.3	88.0	2.4
STULL'S SX720			146.7	21.5	92.7	1.7
STULL'S SX707			145.0	19.3	91.7	0.6
MUNCY CHIEF 3X898			142.3	22.6	89.1	2.8
MOEWS SM822			142.2	20.9	87.0	6.5
PIONEER BRAND 3334A			142.2	20.7	87.5	3.0
MIGRO M-0711	140.5	145.0	140.6	21.8	89.6	2.4
MUNCY CHIEF SX662		133.8	139.7	21.7	93.2	2.2
VORIS SEEDS V2502			139.6	17.5	94.3	0.5
DEKALB XL74		129.4	139.4	19.3	91.1	2.9
HULTING X877		131.5	139.1	22.5	87.0	2.8
T-E EXP. 6930		125.4	136.6	23.9	91.7	0.6
DEKALB XL64	119.6	116.1	136.5	20.6	92.7	0.0
SO.STATES S5698		123.7	136.4	20.3	94.8	1.6
FUNK'S G5757	126.0	132.1	135.5	22.5	89.1	0.6
MCNAIR X180			134.9	20.7	87.0	0.0
SUPER CROST S85			134.3	22.4	76.0	2.8
NORTHROP-KING PX670		127.4	133.6	20.2	93.8	2.2
NORTHROP-KING PX616	135.4	142.1	133.5	19.5	95.3	5.9
STULL'S 809A SP			132.9	21.7	96.4	1.1
KENTUCKY 105	93.7	126.0	132.5	22.3	92.2	0.5
TROJAN TXS 124			125.4	20.3	91.1	0.0
THOMPSON T-120Y		122.8	120.6	21.7	85.9	3.4
THOMPSON SX10Y			120.3	21.5	79.2	3.3
YELLOW AVERAGE	134.0	138.8	151.6	21.2	90.9	1.5
WHITE						
ZIMMERMAN Z11			157.3	25.8	80.2	2.0
PIONEER BRAND 511A	131.4	144.1	149.1	25.1	90.6	7.4
P-A-G 644W	133.3	142.2	149.1	23.7	93.8	1.7
P-A-G SX 70W		145.9	148.4	23.9	87.0	0.0
KENTUCKY 5921W	103.6	133.3	142.8	23.3	89.6	1.2
STULL'S 850W SX	144.0	145.9	141.7	21.5	95.8	0.5
ZIMMERMAN Z10			140.2	24.6	77.6	0.7
PRINCETON 990-A			139.2	20.3	90.6	7.1
DEKALB XL390W		141.0	136.3	22.9	92.7	2.8
MOEWS 101N	138.5	140.4	131.1	24.3	93.8	1.7
T-E M-20-W			129.5	24.4	83.9	5.7
WHITE AVERAGE	130.2	141.8	142.3	23.6	88.7	2.8
GRAND AVERAGE	133.2	139.3	150.3	21.5	90.6	1.7



TABLE 7.—ANNUAL SUMMARY, NORMAL POPULATION, HARTFORD, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1973 RESULTS				
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	
YELLOW							
MIGRO M-7072			160.5	18.3	92.7	4.6	
MCNAIR X190			149.6	20.7	85.9	1.3	
PIONEER BRAND 3368	142.2	128.8	148.5	18.6	82.8	5.7	
PIONEER BRAND 3369A	157.1	136.9	147.2	18.5	92.7	6.0	
ASGROW RX 100	135.7	138.9	146.6	20.3	88.5	5.8	
FUNK'S G4628			145.9	20.8	91.1	0.6	
BO-JAC X1-83		140.3	144.2	18.2	93.2	12.7	
T-E MASTERMAKER	125.9	107.2	142.5	20.3	89.6	4.0	
BO-JAC X1A			141.3	16.8	91.1	12.0	
T-E EXP. 6935		133.8	141.0	20.0	88.5	12.0	
S S HYBRIDS JX-87			140.4	21.0	92.2	16.7	
PRINCETON SX 836	144.0	127.3	140.3	17.6	87.5	5.4	
NORTHROP-KING PX77			139.4	20.2	94.3	0.0	
P-A-G SX 520		137.8	139.3	18.9	92.7	0.0	
MOEWS SM822			138.9	19.6	90.6	7.0	
HULTING X877		119.7	136.9	18.3	90.6	9.1	
DEKALB XL80			136.3	20.1	93.2	6.9	
P-A-G SX 98		128.7	136.0	20.8	90.6	3.4	
DEKALB XL72A			134.6	20.8	92.2	4.5	
S S HYBRIDS JX-86			134.2	18.2	84.4	10.6	
PRINCETON SX 850	137.0	119.4	133.8	19.2	83.9	3.1	
DEKALB XL74		128.0	133.2	18.1	89.6	2.9	
TROJAN TXS 124			133.0	17.8	96.9	19.5	
MUNCY CHIEF SX662		117.2	132.4	20.2	92.7	3.4	
MIGRO M-7701		137.8	132.0	20.1	95.3	17.0	
T-E EXP. 6930		115.4	131.6	19.7	83.9	9.2	
SUPER CROST S85			130.0	21.2	82.3	2.9	
SO.STATES S5750		129.8	130.0	19.0	89.6	5.2	
SUPER CROST 7772			128.8	19.4	96.9	9.8	
FUNK'S G4648			128.1	18.9	89.6	4.1	
MIGRO M-0711	129.0	112.9	126.7	20.4	87.5	1.8	
DEKALB XL85A	128.3	119.1	126.2	22.1	93.8	22.3	
TROJAN TXS 113			125.5	18.5	89.6	5.7	
TROJAN TX 113			125.1	18.8	91.7	4.0	
MCNAIR X180			124.9	17.1	94.3	12.9	
SO.STATES S5698		116.4	124.8	18.8	93.8	6.1	
STEWART SX 71	148.9	127.3	124.7	19.5	91.7	8.0	
DEKALB XL64	129.7	116.5	123.7	18.6	82.3	6.8	
STULL'S SX707			123.6	19.0	88.5	3.0	
MUNCY CHIEF 3X898			123.5	20.1	84.4	8.6	
THOMPSON T-120Y		109.7	122.9	19.7	84.9	9.7	
B & B 11-7			122.8	21.2	86.5	10.0	
RICKARD R-606			122.6	19.0	91.1	1.7	
FUNK'S G4864			122.2	20.1	90.1	5.9	
STEWART SX 58			121.9	19.7	78.1	0.7	
VORIS SEEDS V2622			121.2	20.4	95.3	11.2	
TROJAN TX 117			121.1	18.6	93.2	1.1	
P-A-G SX 92			121.0	21.5	92.7	4.4	
P-A-G SX 39	128.8	116.4	120.1	20.8	89.1	6.2	
PIONEER BRAND 3571	125.1	123.2	119.8	15.3	90.1	1.1	
SO.STATES S5775			119.4	20.2	88.0	5.2	
B & B 9-2			118.9	17.2	95.3	4.4	
GUTWEIN 86			118.7	17.9	89.6	4.7	
GUTWEIN 80		105.6	118.5	21.6	89.6	22.2	
PIONEER BRAND 3334A			118.0	17.8	85.4	11.5	
ASGROW RX 115		100.4	117.5	20.0	88.5	8.6	
NORTHROP-KING PX616	116.1	115.8	116.1	16.5	87.0	5.4	
ZIMMERMAN Z24			115.3	17.4	91.1	18.0	
MCNAIR X210		95.6	115.2	22.4	89.1	4.5	
HULTING X9880			114.2	21.1	90.6	9.8	
STULL'S 809A SP			114.1	19.5	90.6	7.6	
FUNK'S G4646	114.6	111.0	111.2	20.2	78.6	5.7	
STULL'S SX720			111.1	20.0	92.2	3.4	
FUNK'S G5757	122.9	105.2	111.0	22.5	84.4	14.6	
B & B 10-3			110.3	20.6	83.3	3.8	
NORTHROP-KING PX670		106.7	106.0	17.5	87.0	3.6	
VORIS SEEDS V2502			103.8	17.8	91.1	1.7	
THOMPSON SX10Y			103.3	18.5	75.0	0.7	
RICKARD R-600			99.1	19.7	92.7	3.4	
KENTUCKY 105	75.3	73.8	88.7	20.6	94.8	10.4	
YELLOW AVERAGE	128.8	118.8	126.4	19.4	89.4	6.9	
WHITE							
ZIMMERMAN Z11			139.5	23.0	71.9	0.0	
PIONEER BRAND 511A	127.7	123.8	138.9	21.0	94.8	13.5	
DEKALB XL390W			102.1	124.4	20.2	89.6	11.0
P-A-G 644W	120.0	108.9	123.6	21.2	93.2	2.8	
P-A-G SX 70W		100.5	121.5	22.6	88.5	22.5	
ZIMMERMAN Z10			120.6	21.4	88.0	10.1	
T-E M-20-W			113.9	21.3	86.5	6.5	
STULL'S 850W SX	113.6	104.4	111.3	20.2	89.6	35.5	
PRINCETON 990-A			104.6	19.8	90.1	19.8	
MOEWS 101N	108.3	97.6	101.3	22.3	91.7	25.5	
KENTUCKY 5921W	99.2	97.7	101.3	19.4	83.3	16.3	
WHITE AVERAGE	113.8	105.0	118.3	21.1	87.9	14.9	
GRAND AVERAGE	125.2	116.4	125.3	19.7	89.2	8.0	

TABLE 8.—ANNUAL SUMMARY, NORMAL POPULATION, NO-TILL, FRANKLIN, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1973 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
GUTWEIN 86			185.7	23.2	78.6	0.0
DEKALB XL85A	160.9	156.1	174.7	23.9	88.0	0.0
RICKARD R-600			172.5	22.4	85.4	0.0
ZIMMERMAN Z24			168.7	21.9	73.4	0.0
BO-JAC X1A			164.1	23.5	78.6	0.0
FUNK'S G4628			162.0	26.8	85.4	0.0
STULL'S 809A SP			159.7	24.9	68.8	0.0
SUPER CROST 7772			159.6	23.8	85.4	0.0
HULTING X9880			159.2	23.4	87.5	0.0
STEWART SX 71	169.3	157.2	158.6	25.5	77.6	0.0
DEKALB XL80			158.5	24.8	81.8	0.0
ASGROW RX 115		150.4	157.5	25.1	82.3	0.0
FUNK'S G4864			156.7	24.7	82.3	0.0
SO.STATES SS775			156.1	25.5	81.3	0.0
MIGRO M-7072			155.9	24.3	77.1	0.8
BO-JAC X1-83		156.9	155.7	23.1	80.2	0.0
RICKARD R-606			155.0	22.8	73.4	0.0
MCNAIR X190			154.1	26.2	78.1	0.0
PRINCETON SX 850	160.0	158.5	153.9	22.5	74.5	0.0
MUNCY CHIEF SX662		147.1	153.2	22.9	81.8	0.0
P-A-G SX 92			153.1	24.6	73.4	0.0
FUNK'S G4646	145.9	141.4	153.1	23.7	85.4	0.0
PIONEER BRAND 3369A	167.3	165.8	151.4	21.9	74.5	0.0
B & B 11-7			150.9	22.6	79.7	0.6
P-A-G SX 520		146.3	150.7	21.5	75.5	0.0
HULTING X877		145.2	150.3	22.8	74.5	0.0
P-A-G SX 98			149.8	24.6	80.2	1.4
VORIS SEEDS V2622			149.6	22.5	72.4	0.0
P-A-G SX 39	158.0	153.4	148.8	24.9	72.9	0.9
KENTUCKY 105	99.6	129.3	145.9	26.2	79.2	3.3
ASGROW RX 100	125.0	142.1	145.7	26.2	83.9	0.0
S S HYBRIDS JX-86			143.2	22.8	68.2	0.0
STULL'S SX707			142.8	24.2	78.6	0.0
SUPER CROST S85			142.5	24.1	78.1	2.1
TROJAN TX 117			142.2	24.4	78.6	0.7
T-E EXP. 6930		142.4	142.1	24.4	78.1	0.0
VORIS SEEDS V2502			140.9	21.6	85.4	0.0
NORTHROP-KING PX616	140.6	140.6	139.9	22.7	70.8	0.0
DEKALB XL72A			139.4	24.0	92.2	0.0
GUTWEIN 80			139.4	24.1	70.3	0.6
B & B 10-3			139.0	23.3	83.3	0.7
FUNK'S G4648			138.3	26.5	77.1	0.0
TROJAN TXS 124			137.0	22.7	73.4	0.0
FUNK'S G5757	152.6	144.1	136.5	24.3	78.1	2.0
THOMPSON T-120Y		137.2	136.0	24.0	68.2	0.7
DEKALB XL74		127.8	134.9	23.4	81.3	0.6
S S HYBRIDS JX-87			134.7	25.2	83.3	0.7
STEWART SX 58			133.8	23.0	69.3	0.0
NORTHROP-KING PX77			132.4	21.2	69.3	0.0
PIONEER BRAND 3368	147.1	136.7	132.4	25.3	62.5	0.0
T-E EXP. 6935		148.8	132.3	26.0	75.5	0.7
MOEWS SM822			130.4	22.9	68.8	2.2
MCNAIR X210		132.9	130.3	25.0	65.6	0.0
SO.STATES SS698		129.4	130.3	23.6	81.3	0.0
B & B 9-2			129.8	23.1	88.0	1.2
STULL'S SX720			129.7	24.2	77.1	0.0
MUNCY CHIEF 3X898			127.8	23.7	68.2	0.0
SO.STATES SS750		137.8	125.6	23.5	76.0	0.0
TROJAN TXS 113			125.0	24.7	62.5	0.0
TROJAN TX 113			123.7	24.0	70.3	0.0
DEKALB XL64	130.4	123.4	122.6	24.3	76.6	0.0
THOMPSON SX10Y			121.1	23.3	66.1	0.0
MIGRO M-7701		142.9	120.5	23.1	64.6	0.0
PRINCETON SX 836	149.5	136.0	119.8	23.7	63.0	0.0
T-E MASTERMAKER	118.8	104.3	118.5	24.9	68.2	0.0
PIONEER BRAND 3571	138.9	139.8	118.1	20.8	74.0	0.0
MIGRO M-0711	146.5	137.7	110.3	24.9	74.5	0.6
NORTHROP-KING PX670		121.2	105.6	24.0	71.4	0.0
MCNAIR X180			102.4	24.2	58.3	0.0
PIONEER BRAND 3334A			96.9	24.2	47.9	0.0
YELLOW AVERAGE						
	144.4	141.2	141.7	23.9	75.7	0.3
WHITE						
MOEWS 101N	154.4	153.0	162.4	25.8	84.9	0.0
P-A-G SX 70W		162.7	155.1	24.6	84.9	0.0
PIONEER BRAND 511A	145.3	138.8	148.3	27.3	75.5	3.4
ZIMMERMAN Z10			146.9	24.9	79.7	0.0
STULL'S 850W SX	145.2	139.5	145.7	27.1	77.6	1.3
PRINCETON 990-A			139.9	23.0	70.8	3.0
KENTUCKY 5921W	113.9	134.4	136.0	24.6	80.7	0.0
T-E M-20-W			128.4	24.4	76.0	0.6
DEKALB XL390W		128.6	123.3	24.6	69.3	0.0
P-A-G 644W	135.1	123.2	122.4	24.7	77.6	0.0
ZIMMERMAN Z11			96.0	28.0	36.5	0.0
WHITE AVERAGE						
	138.8	140.0	136.8	25.4	74.0	0.8
GRAND AVERAGE						
	143.1	141.0	141.0	24.1	75.4	0.3



TABLE 9.—ANNUAL SUMMARY, NORMAL POPULATION, NO-TILL, ELIZABETHTOWN, KY.

HYBRID	2-YR YIELD BU/AC	1973 RESULTS			
		YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
BO-JAC X1-83	150.1	143.3	21.8	83.6	6.6
GUTWEIN 86		141.5	19.4	85.9	2.8
T-E EXP. 6935	150.3	138.0	22.3	83.6	13.9
ZIMMERMAN Z24		133.5	20.1	86.7	7.2
S S HYBRIDS JX-87		132.0	22.8	75.0	1.9
MIGRO M-7701	145.6	129.3	21.8	78.9	9.9
P-A-G SX 39	132.1	128.1	23.0	71.1	3.2
PIONEER BRAND 3369A	142.5	125.1	20.2	78.9	3.1
S S HYBRIDS JX-86		124.3	19.7	80.5	2.8
MCNAIR X190		123.7	21.9	71.1	4.4
SO.STATES S5775		123.4	19.0	81.3	1.0
ASGROW RX 115	134.7	123.2	22.0	82.8	9.4
DEKALB XL72A	134.9	122.9	22.2	82.8	2.1
FUNK'S G4864		122.8	23.7	84.4	7.6
MIGRO M-7072		122.2	19.6	78.9	4.9
ASGROW RX 100	133.6	121.6	21.8	89.1	5.3
MOEWS SM822		120.5	21.4	71.1	5.4
B & B 11-7		120.1	21.7	86.7	3.6
DEKALB XL80		117.4	22.4	76.6	2.1
STEWART SX 58		116.5	21.8	70.3	0.0
PIONEER BRAND 3571	122.5	116.3	16.3	78.1	1.8
FUNK'S G4646	126.1	115.6	20.1	79.7	3.9
PIONEER BRAND 3334A		114.1	20.2	82.8	1.9
STEWART SX 71	125.0	113.4	19.7	83.6	9.3
DEKALB XL85A	119.7	113.1	21.7	78.9	2.0
SUPER CROST S85		112.6	22.6	77.3	3.8
TROJAN TX 113		112.0	19.3	83.6	1.8
MCNAIR X180		111.2	17.8	84.4	3.7
STULL'S SX720		110.9	20.8	85.2	2.7
HULTING X9880		110.9	22.4	78.9	5.0
T-E MASTERMAKER	102.2	110.4	21.8	63.3	1.1
TROJAN TXS 124		110.2	20.8	74.2	2.1
PRINCETON SX 850	127.3	110.1	19.4	87.5	1.8
HULTING X877	127.1	110.0	20.6	78.1	2.0
TROJAN TX 117		109.8	21.9	83.6	1.0
BO-JAC X1A		108.0	19.9	68.0	2.1
B & B 10-3		107.9	21.0	80.5	7.1
FUNK'S G4648		107.5	19.3	89.1	5.3
NORTHROP-KING PX670	131.2	107.5	18.4	81.3	8.7
FUNK'S G5757	119.3	107.4	22.6	79.7	0.9
PIONEER BRAND 3368	121.6	106.6	20.8	74.2	7.3
MUNCY CHIEF SX662	105.2	105.1	20.6	79.7	2.9
PRINCETON SX 836	122.7	105.1	17.5	79.7	4.9
P-A-G SX 98		105.0	24.5	71.1	8.8
VORIS SEEDS V2622		104.3	20.7	79.7	5.8
KENTUCKY 105	115.7	103.5	21.3	79.7	27.5
FUNK'S G4628		103.4	23.8	78.9	0.0
SO.STATES S5750	137.4	103.1	19.9	79.7	8.2
NORTHROP-KING PX616	112.0	103.0	19.1	63.3	5.1
SUPER CROST 7772		102.8	21.6	75.0	2.5
VORIS SEEDS V2502		102.6	19.0	80.5	3.9
T-E EXP. 6930	115.0	102.5	23.7	73.4	6.2
SO.STATES S5698	122.9	102.3	18.3	85.2	9.1
TROJAN TXS 113		100.0	20.6	77.3	5.0
RICKARD R-606		99.5	19.3	81.3	3.8
RICKARD R-600		99.2	19.8	68.0	1.2
THOMPSON T-120Y	122.5	98.6	21.7	78.9	7.9
STULL'S 809A SP		98.4	19.4	81.3	6.3
MUNCY CHIEF 3X898		97.9	22.0	73.4	10.7
P-A-G SX 92		97.6	22.4	71.9	5.1
DEKALB XL64	101.5	96.0	20.8	79.7	2.0
P-A-G SX 520	121.5	95.6	18.8	81.3	0.0
B & B 9-2		95.5	22.4	73.4	4.3
GUTWEIN 80	116.2	94.0	21.4	73.4	2.7
THOMPSON SX10Y		84.7	20.3	63.3	4.7
DEKALB XL74	116.6	83.1	20.1	53.9	7.9
MCNAIR X210	106.5	82.0	23.3	64.1	7.4
MIGRO M-0711	105.1	80.1	22.9	47.7	1.5
NORTHROP-KING PX77		79.1	19.5	64.8	2.3
STULL'S SX707		74.8	19.8	70.3	4.0
YELLOW AVERAGE	120.8	109.3	20.9	77.2	4.8
WHITE					
DEKALB XL390W	131.0	114.8	22.5	88.3	6.2
PIONEER BRAND 511A	112.9	107.8	22.3	82.8	16.5
ZIMMERMAN Z10		104.4	24.8	78.1	8.0
T-E M-20-W		103.5	25.4	74.2	8.3
ZIMMERMAN Z11		103.5	24.9	61.7	6.4
P-A-G SX 70W	125.6	102.2	26.3	62.5	21.9
P-A-G 644W	119.5	101.6	22.7	72.7	7.0
STULL'S 850W SX	125.3	99.0	24.5	86.7	4.5
MOEWS 101N	116.4	98.0	24.8	78.9	13.3
PRINCETON 990-A		88.2	21.2	78.1	8.0
KENTUCKY 5921W	100.6	87.2	21.1	83.6	11.3
WHITE AVERAGE	118.8	100.9	23.7	77.1	10.1
GRAND AVERAGE	120.5	108.2	21.3	77.1	5.5

TABLE 10.—ANNUAL SUMMARY, NORMAL POPULATION, LEXINGTON, KY.

HYBRID	3-YR	2-YR	YIELD BU/AC	1973 RESULTS		
	YIELD BU/AC	YIELD BU/AC		AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
NORTHROP-KING PX77			172.7	18.1	91.1	7.5
GUTWEIN 86			169.4	17.9	87.0	0.6
ZIMMERMAN Z24			169.1	17.9	89.6	4.0
SO. STATES SS750		158.9	166.9	19.1	91.7	4.0
DEKALB XL80			165.5	20.2	88.5	6.0
P-A-G SX 520		162.2	161.7	18.4	89.1	1.8
PRINCETON SX 850	168.5	154.8	161.2	20.0	92.7	9.5
PIONEER BRAND 3369A	176.3	163.3	158.7	18.5	77.6	4.8
PIONEER BRAND 3368	173.3	161.6	158.5	19.1	88.5	2.3
TROJAN TXS 124			157.3	19.7	93.8	8.3
P-A-G SX 39	157.8	142.5	157.1	20.8	91.7	5.6
TROJAN TXS 113			157.0	18.4	90.1	7.0
T-E EXP. 6935		168.6	156.9	20.6	88.0	4.7
HULTING X877		150.4	156.6	18.4	92.7	13.3
MIGRO M-7701		155.9	156.6	20.7	87.0	8.9
TROJAN TX 113			154.7	19.4	90.6	3.5
DEKALB XL85A	159.7	145.4	153.9	21.8	92.2	18.0
SUPER CROST 7772			153.9	18.7	86.5	11.5
S S HYBRIDS JX-86			153.4	18.7	81.8	15.3
GUTWEIN 80		129.0	152.6	21.8	87.0	10.1
MCNAIR X210		142.4	151.9	20.5	90.1	9.6
RICKARD R-606			151.8	18.4	83.9	5.1
P-A-G SX 92			151.5	21.5	89.6	6.4
DEKALB XL74		154.6	151.5	19.4	92.2	9.8
B & B 9-2			150.1	19.3	85.9	3.8
FUNK'S G4864			150.1	20.4	91.7	9.4
STEWART SX 71	168.8	153.0	150.0	19.8	93.2	11.5
BO-JAC X1A			148.6	20.3	81.3	5.7
PRINCETON SX 836	163.3	144.8	148.5	18.3	88.0	10.7
SO. STATES SS775			147.7	18.6	80.7	1.8
MCNAIR X190			147.5	20.4	87.0	5.2
STULL'S SX707			147.3	19.5	94.3	7.2
S S HYBRIDS JX-87			147.0	20.6	86.5	23.1
RICKARD R-600			146.9	21.0	91.7	13.1
BO-JAC X1-83		163.6	146.4	19.5	80.2	8.1
MUNCY CHIEF SX662		149.0	146.0	18.6	90.1	7.0
HULTING X9880			145.3	19.9	84.9	9.7
ASGROW RX 115		149.2	145.0	21.3	83.3	7.7
MOEWS SM822			145.0	20.3	80.2	7.9
VORIS SEEDS V2622			143.8	20.9	93.2	10.8
B & B 10-3			143.3	19.9	90.1	10.5
FUNK'S G4646	156.8	145.2	143.3	21.0	85.4	19.4
B & B 11-7			142.6	21.3	80.7	10.2
NORTHROP-KING PX670		140.0	141.9	18.9	92.2	11.1
MIGRO M-7072			140.9	19.7	90.6	19.6
FUNK'S G5757	152.7	134.1	139.9	20.9	85.9	9.8
FUNK'S G4628			137.7	20.0	88.5	10.9
PIONEER BRAND 3571	142.4	129.0	136.6	17.6	87.0	6.6
TROJAN TX 117			136.5	20.7	91.1	5.7
P-A-G SX 98			136.2	21.0	88.0	6.6
SO. STATES SS698		137.8	136.1	21.6	94.8	6.0
DEKALB XL64	159.8	146.6	135.5	17.5	83.9	6.8
ASGROW RX 100	147.1	148.6	133.2	20.2	89.1	20.0
STULL'S SX720			133.2	20.6	77.1	10.4
PIONEER BRAND 3334A			132.0	21.2	93.2	3.9
STEWART SX 58			130.9	20.8	81.3	2.5
T-E MASTERMAKER	132.3	115.7	130.0	20.7	89.1	6.6
DEKALB XL72A		132.9	129.2	21.0	87.0	5.6
VORIS SEEDS V2502			128.7	17.8	93.8	7.4
THOMPSON SX10Y			126.0	18.9	71.9	1.9
MCNAIR X180			125.6	16.7	83.3	34.5
KENTUCKY 105	114.6	115.6	124.5	22.2	80.2	20.0
NORTHROP-KING PX616	148.8	130.0	122.5	19.2	80.7	23.0
STULL'S 809A SP			120.9	19.9	80.2	29.9
MUNCY CHIEF 3X898			118.1	20.5	72.9	10.8
SUPER CROST S85			117.9	20.3	77.1	4.5
FUNK'S G4648			117.8	22.2	84.4	15.1
MIGRO M-0711	143.0	132.1	115.8	21.9	85.4	8.6
THOMPSON T-120Y		129.4	114.4	21.0	83.3	24.4
T-E EXP. 6930		125.6	114.2	21.2	75.0	4.7
YELLOW AVERAGE						
WHITE	154.1	144.1	143.7	19.9	86.7	9.7
P-A-G 644W	157.4	145.5	147.9	20.9	95.8	11.9
P-A-G SX 70W		144.5	144.7	22.8	87.5	24.0
PRINCETON 990-A			143.6	19.7	85.9	16.0
MOEWS 101N	172.9	150.4	140.1	21.1	82.8	13.3
DEKALB XL390W		150.5	138.9	21.8	96.9	16.1
KENTUCKY 5921W	135.0	127.4	134.5	20.4	84.4	14.0
ZIMMERMAN Z10			121.0	20.5	79.2	21.4
STULL'S 850W SX	153.0	133.1	119.3	22.1	85.9	48.9
T-E M-20-W			118.0	19.8	77.1	17.1
ZIMMERMAN Z11			116.1	25.9	50.0	7.9
PIONEER BRAND 511A	140.9	121.4	109.7	20.9	80.2	11.0
WHITE AVERAGE						
	151.8	139.0	130.4	21.4	82.3	18.3
GRAND AVERAGE						
	153.5	143.2	141.9	20.1	86.1	10.8



TABLE 11.—ANNUAL SUMMARY, NORMAL POPULATION, QUICKSAND, KY.

HYBRID	3-YR	2-YR	1973 RESULTS			
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
DEKALB XL80			181.8	24.1	96.9	5.4
DEKALB XL85A	133.9	160.1	180.4	23.6	93.2	1.1
FUNK'S G4864			180.1	23.9	93.2	1.2
ASGROW RX 115		139.3	179.7	23.1	92.7	1.7
PIONEER BRAND 3369A	143.2	169.2	177.7	21.6	92.2	0.0
ZIMMERMAN Z24			176.9	21.5	93.2	0.6
STEWART SX 71	138.6	143.3	175.7	21.5	91.7	1.1
MIGRO M-7701		150.9	175.1	24.5	92.2	3.5
MIGRO M-7072			171.9	21.5	96.4	0.0
P-A-G SX 520		151.1	171.8	21.7	96.9	5.3
P-A-G SX 92			169.4	23.6	94.3	1.6
SO.STATES SS775			165.2	23.9	91.7	0.0
GUTWEIN 80		127.1	165.2	22.9	86.5	2.4
KENTUCKY 105	88.6	122.0	164.7	24.4	94.3	8.5
PRINCETON SX 850	138.5	154.5	162.4	22.6	91.7	2.2
RICKARD R-600			162.4	22.6	90.6	0.6
S S HYBRIDS JX-87			161.0	24.6	95.8	1.1
NORTRUP-KING PX616	158.2	158.2	159.4	20.6	96.9	4.9
MCNAIR X210			145.7	23.8	92.7	2.3
ASGROW RX 100	118.5	148.1	158.4	23.8	91.7	3.4
S S HYBRIDS JX-86			158.1	21.3	91.7	2.3
P-A-G SX 39	131.0	152.7	157.8	23.5	90.1	1.2
PIONEER BRAND 3571	119.9	149.5	157.2	18.0	92.2	0.6
B & B 9-2			157.2	20.7	91.1	5.2
RICKARD R-606			156.9	22.0	90.1	5.0
STULL'S SX707			155.9	20.7	94.3	1.7
SO.STATES SS750		146.0	155.9	21.3	97.9	0.5
MUNCY CHIEF 3X898			155.5	23.2	87.0	0.6
TROJAN TXS 113			155.1	23.2	93.8	0.5
MUNCY CHIEF SX662		145.5	154.0	23.5	92.2	0.5
PIONEER BRAND 3368	132.5	156.9	152.0	21.6	88.5	0.0
STULL'S 809A SP			150.9	23.5	92.7	9.6
BO-JAC X1-83		152.8	150.3	21.5	93.8	6.3
SUPER CROST 7772			150.2	22.9	98.4	1.6
THOMPSON T-120Y		146.9	149.3	22.4	87.5	4.8
DEKALB XL74		139.2	149.2	22.1	91.7	0.0
BO-JAC X1A			148.9	22.3	89.6	9.6
SO.STATES SS698		132.2	148.6	20.8	94.3	0.5
T-E EXP. 6935		154.4	148.4	23.9	91.7	2.3
VORIS SEEDS V2502			147.5	20.6	94.8	0.5
STULL'S SX720			147.0	23.8	94.8	1.6
NORTRUP-KING PX77			145.5	22.3	96.9	1.6
T-E MASTERMAKER	92.9	107.4	145.3	22.6	93.8	0.0
FUNK'S G4646	116.4	120.3	145.1	23.8	86.5	0.0
FUNK'S G4648			144.7	22.9	97.9	3.2
MCNAIR X180			141.4	21.1	89.6	11.7
NORTRUP-KING PX670		125.6	141.3	21.4	94.8	1.6
TROJAN TX 113			140.8	21.8	95.8	0.5
P-A-G SX 98			140.3	23.2	90.1	1.1
HULTING X877		133.3	138.5	22.2	95.8	1.1
GUTWEIN 86			137.2	20.7	92.2	1.8
FUNK'S G5757	118.9	127.1	137.0	25.1	88.5	4.1
VORIS SEEDS V2622			135.9	22.1	87.5	5.2
B & B 11-7			135.4	23.1	91.1	5.2
PRINCETON SX 836	112.7	123.7	135.2	22.0	88.0	3.6
FUNK'S G4628			134.6	23.2	86.5	1.7
TROJAN TX 117			134.5	22.5	89.6	1.8
MCNAIR X190			133.9	23.1	93.2	0.6
THOMPSON SX10Y			132.0	22.9	81.3	0.6
STEWART SX 58			130.8	23.0	82.3	3.3
MOEWS SM822			130.7	21.6	76.6	2.1
B & B 10-3			130.5	22.8	89.6	5.9
PIONEER BRAND 3334A			125.4	19.7	95.3	2.7
DEKALB XL72A		116.2	121.2	23.5	95.3	0.0
T-E EXP. 6930		106.7	120.7	22.4	87.0	11.9
TROJAN TXS 124			118.1	20.6	92.2	10.2
DEKALB XL64	82.2	98.3	116.6	20.9	91.7	6.3
MIGRO M-0711	108.1	120.4	115.6	23.3	88.5	1.8
SUPER CROST S85			115.1	22.8	82.8	4.4
HULTING X9880			114.6	23.8	92.2	12.9
YELLOW AVERAGE	120.9	138.3	149.2	22.5	91.6	3.0
WHITE						
ZIMMERMAN Z11			182.0	27.7	82.3	0.7
P-A-G 644W	130.1	144.4	174.8	23.8	96.4	7.5
PRINCETON 990-A			167.8	23.2	96.9	9.7
ZIMMERMAN Z10			166.0	26.8	88.5	1.2
PIONEER BRAND 511A	114.8	130.6	161.6	24.9	90.6	5.8
DEKALB XL390W		143.0	160.9	26.6	94.3	0.0
MOEWS 101N	133.8	145.4	157.1	26.4	93.8	0.6
KENTUCKY 5921W	96.2	118.7	153.7	25.3	93.2	6.7
STULL'S 850W SX	128.7	144.9	147.5	26.4	96.4	2.1
T-E M-20-W			142.4	26.4	82.8	3.7
P-A-G SX 70W		123.7	132.7	25.3	89.6	0.6
WHITE AVERAGE	120.7	135.8	158.8	25.7	91.3	3.5
GRAND AVERAGE	119.4	137.8	150.5	22.9	91.6	3.1

TABLE 12.—ANNUAL SUMMARY, NORMAL POPULATION,  
ALL NON-VIRUS LOCATIONS, 1973.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
ZIMMERMAN Z24	156.7	19.4	89.9	3.7
MIGRO M-7072	153.5	20.1	88.5	4.0
BO-JAC X1-83	151.6	19.9	88.2	5.6
PIONEER BRAND 3369A	151.2	19.6	84.8	2.1
DEKALB XL80	151.2	21.9	87.2	3.6
T-E EXP. 6935	150.8	21.6	88.5	4.3
MIGRO M-7701	148.9	21.5	86.1	5.5
DEKALB XL85A	146.9	22.2	87.0	6.2
MCNAIR X190	146.6	22.1	85.3	1.7
ASGROW RX 115	145.0	21.7	86.6	4.7
STEWART SX 71	144.2	20.6	86.9	3.8
S S HYBRIDS JX-86	143.8	19.9	81.8	4.4
P-A-G SX 520	143.4	19.5	87.6	1.8
S S HYBRIDS JX-87	142.5	21.6	85.5	6.2
PIONEER BRAND 3368	142.3	20.4	80.4	1.8
FUNK'S G4864	142.2	22.1	87.4	3.0
GUTWEIN 86	141.2	19.5	84.2	3.0
BO-JAC X1A	141.0	19.8	82.7	4.7
SUPER CROST 7772	140.9	20.4	88.4	3.5
P-A-G SX 98	140.8	22.0	85.4	2.7
PRINCETON SX 850	140.7	19.9	84.9	2.2
FUNK'S G4628	140.5	22.1	86.0	2.2
RICKARD R-600	140.1	20.2	87.0	3.2
P-A-G SX 39	139.9	21.9	81.3	2.4
ASGROW RX 100	139.2	21.9	85.8	4.3
P-A-G SX 92	138.8	22.4	86.1	2.8
SO.STATES S5750	136.8	19.9	88.9	2.8
NORTHROP-KING PX77	136.7	19.5	87.0	1.7
DEKALB XL72A	136.5	21.7	89.3	1.5
GUTWEIN 80	136.3	21.4	81.5	5.2
B & B 11-7	136.1	21.3	84.8	5.5
MUNCY CHIEF SX662	136.1	20.8	88.0	2.4
SO.STATES S5775	136.0	20.6	84.0	1.9
HULTING X877	135.4	20.5	86.3	3.9
T-E MASTERMAKER	134.6	22.2	83.2	1.9
FUNK'S G4648	133.8	21.8	87.6	4.0
VORIS SEEDS V2622	133.4	20.8	86.8	4.0
RICKARD R-606	133.2	20.0	84.1	2.3
TROJAN TXS 113	133.0	20.4	82.1	2.5
PIONEER BRAND 3571	133.0	17.1	86.2	1.3
MOEWS SM822	132.6	20.5	78.3	4.8
HULTING X9880	132.4	21.8	85.4	5.1
B & B 9-2	131.9	19.9	87.2	2.8
MCNAIR X210	131.6	22.3	83.2	3.2
FUNK'S G4646	131.4	21.4	82.4	4.0
DEKALB XL74	130.8	19.9	84.9	3.0
PRINCETON SX 836	130.1	19.8	82.5	3.3
B & B 10-3	129.9	20.5	86.3	3.7
TROJAN TX 113	129.8	20.9	84.6	1.4
TROJAN TX 117	129.7	20.7	84.6	1.5
STULL'S SX720	128.9	21.0	85.9	2.5
STEWART SX 58	128.8	21.3	76.8	1.0
MUNCY CHIEF 3X898	128.8	21.4	79.3	4.1
STULL'S 809A SP	126.7	21.0	83.6	7.6
STULL'S SX707	126.5	20.1	86.8	2.2
SO.STATES S5698	126.5	20.1	89.1	3.1
TROJAN TXS 124	125.8	19.8	87.0	6.2
FUNK'S G5757	124.8	22.4	83.4	4.6
NORTHROP-KING PX670	123.7	19.6	87.4	3.7
VORIS SEEDS V2502	122.7	18.5	88.5	1.7
NORTHROP-KING PX616	122.6	19.1	80.9	6.1
PIONEER BRAND 3334A	122.4	20.1	81.5	2.9
KENTUCKY 105	121.7	22.1	85.4	9.3
DEKALB XL64	121.0	20.1	84.4	3.0
T-E EXP. 6930	119.9	22.1	78.5	4.2
SUPER CROST S85	119.8	21.8	75.1	2.6
MCNAIR X180	119.6	19.2	81.0	8.3
THOMPSON T-120Y	117.0	21.4	77.5	6.5
MIGRO M-0711	116.0	22.0	80.4	2.2
THOMPSON SX10Y	114.7	20.3	72.1	1.3
YELLOW AVERAGE				
	134.6	20.8	84.5	3.6
WHITE				
PIONEER BRAND 511A	136.4	22.8	84.6	7.5
P-A-G 644W	135.0	22.2	88.0	4.0
P-A-G SX 70W	132.9	23.4	85.8	8.2
DEKALB XL390W	132.7	22.6	87.8	4.8
ZIMMERMAN Z10	129.5	23.3	79.4	6.1
MOEWS 101N	129.3	23.3	87.6	7.6
KENTUCKY 5921W	128.7	21.7	86.0	6.5
ZIMMERMAN Z11	128.2	25.0	62.2	2.0
PRINCETON 990-A	127.5	20.8	85.4	9.0
STULL'S 850W SX	126.9	22.9	87.0	13.8
T-E M-20-W	118.4	22.8	76.4	5.1
WHITE AVERAGE				
	129.6	22.8	82.8	6.8
GRAND AVERAGE				
	133.9	21.0	84.3	4.0



TABLE 13.—TWO-YEAR SUMMARY, NORMAL POPULATION,  
ALL NON-VIRUS LOCATIONS, 1972 AND 1973.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
PIONEER BRAND 3369A	153.2	19.5	86.3	8.0
BO-JAC X1-83	151.6	19.6	85.7	8.4
T-E EXP. 6935	151.5	20.7	85.1	7.1
MIGRO M-7701	147.9	20.5	87.3	12.9
PIONEER BRAND 3368	142.7	20.1	83.1	7.5
PRINCETON SX 850	140.8	19.7	86.6	9.3
ASGROW RX 100	140.5	21.4	85.3	8.3
P-A-G SX 520	140.4	19.5	85.8	6.9
DEKALB XL85A	140.3	21.4	83.0	11.1
ASGROW RX 115	139.1	20.8	86.0	15.3
P-A-G SX 39	138.3	21.2	79.8	8.1
STEWART SX 71	137.6	20.3	84.8	11.1
SO.STATES SS750	137.5	19.8	85.7	6.6
DEKALB XL72A	134.2	21.1	85.4	7.6
DEKALB XL74	132.4	19.7	83.3	9.7
HULTING X877	131.7	20.3	85.5	13.8
PRINCETON SX 836	131.5	19.6	81.3	9.2
PIONEER BRAND 3571	131.0	18.0	86.0	3.6
GUTWEIN 80	130.7	21.0	80.6	10.4
NORTHROP-KING PX616	129.9	19.1	84.6	11.9
MUNCY CHIEF SX662	129.8	20.4	87.5	10.9
MCAIR X210	127.6	21.5	81.7	9.8
FUNK'S G4646	126.9	20.4	80.8	7.1
MIGRO M-0711	124.9	21.6	80.9	9.2
NORTHROP-KING PX670	124.0	19.2	86.7	7.5
FUNK'S G5757	123.2	21.9	78.6	9.1
SO.STATES SS698	122.7	19.8	86.8	9.4
THOMPSON T-120Y	121.2	20.5	78.6	12.7
T-E EXP. 6930	116.1	21.5	78.1	14.9
DEKALB XL64	114.6	19.6	80.5	10.3
KENTUCKY 105	110.4	21.4	81.8	20.7
T-E MASTERMAKER	109.0	21.6	79.5	5.0
YELLOW AVERAGE	132.3	20.4	83.5	9.8
WHITE				
P-A-G SX 70W	136.4	22.6	84.8	15.7
MOEWS 101N	135.1	22.6	85.5	16.4
DEKALB XL390W	134.6	21.8	85.3	14.9
STULL'S 850W SX	133.0	22.7	86.0	19.1
P-A-G 644W	132.9	21.6	85.2	14.2
PIONEER BRAND 511A	131.8	22.2	84.7	18.7
KENTUCKY 5921W	121.5	20.9	83.7	21.1
WHITE AVERAGE	132.2	22.1	85.0	17.2
GRAND AVERAGE	132.3	20.7	83.8	11.1

TABLE 14.—THREE-YEAR SUMMARY, NORMAL POPULATION,  
ALL NON-VIRUS LOCATIONS, 1971, 1972 AND 1973.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
PIONEER BRAND 3369A	157.1	19.9	86.3	6.8
PIONEER BRAND 3368	147.5	20.5	84.9	6.2
STEWART SX 71	147.2	20.5	85.4	9.3
PRINCETON SX 850	146.6	19.8	87.4	8.8
DEKALB XL85A	143.4	21.7	83.2	11.5
P-A-G SX 39	142.6	21.6	81.7	7.6
PRINCETON SX 836	137.8	20.4	82.6	7.5
FUNK'S G4646	132.7	20.9	83.7	7.7
MIGRO M-0711	132.1	21.8	81.7	7.0
NORTHROP-KING PX616	131.7	19.4	85.9	12.9
FUNK'S G5757	131.3	22.2	81.1	9.4
ASGROW RX 100	130.9	21.8	81.6	6.8
PIONEER BRAND 3571	128.8	18.1	84.4	3.9
DEKALB XL64	120.0	19.9	81.8	9.0
T-E MASTERMAKER	119.7	21.8	79.7	4.8
KENTUCKY 105	95.0	19.9	77.6	24.5
YELLOW AVERAGE	133.6	20.6	83.0	9.1
WHITE				
MOEWS 101N	142.3	23.4	86.6	16.0
STULL'S 850W SX	138.7	23.7	85.4	17.4
P-A-G 644W	136.4	23.0	84.6	12.3
PIONEER BRAND 511A	135.7	22.9	85.0	17.5
KENTUCKY 5921W	111.6	20.4	82.3	22.0
WHITE AVERAGE	132.2	22.6	84.7	17.2
GRAND AVERAGE	133.3	21.1	83.4	11.1



TABLE 15.—ANNUAL SUMMARY, HIGH POPULATION, PRINCETON, KY.

HYBRID	3-YR	2-YR	1973 RESULTS			
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
NORTHRUP-KING PX74			150.5	19.4	82.6	9.4
MCNAIR X190			149.3	21.5	78.0	20.8
BO-JAC X7L			137.1	21.2	85.6	22.1
MIGRO M-6646			133.2	19.3	80.3	21.3
MCNAIR EXP 7090			132.9	18.4	77.3	15.7
BO-JAC X62			132.9	17.6	87.1	29.3
STULL'S EXP 8092			131.4	17.9	83.3	20.8
FUNK'S G4646	129.6	129.7	131.2	20.2	81.4	17.1
STULL'S EXP 8233			131.0	21.9	77.7	20.4
MIGRO M-6666			130.9	19.2	83.0	46.5
BO-JAC X91			130.3	21.5	72.7	7.1
SUPER CROST 8442			130.0	20.2	75.4	41.3
MIGRO M-7072		132.9	129.3	19.3	81.1	43.9
PIONEER BRAND EXP 0366A			127.6	17.3	83.7	16.7
NORTHRUP-KING PX76			125.2	18.6	79.5	27.4
VORIS SEEDS V2502			125.0	17.5	81.8	11.8
MIGRO EXP 7070			124.3	20.8	81.4	40.0
BO-JAC X87L			124.1	23.0	75.0	34.5
TROJAN TXS 113	131.6	130.5	123.4	18.2	79.5	26.5
GUTWEIN 89			122.7	22.1	80.3	12.9
MIGRO M-0711	133.4	124.2	122.3	21.1	83.7	10.0
MIGRO M-5045		131.4	121.6	17.7	77.7	8.2
SO. STATES SS750			121.3	19.6	86.0	32.4
PIONEER BRAND 3571	119.0	120.9	121.3	17.7	81.4	7.5
HULTING X9880			120.6	20.9	84.5	21.5
TROJAN TX 117			120.6	20.1	82.6	25.1
VORIS SEEDS V2562			118.9	18.6	77.7	48.4
TROJAN TX 113			118.2	18.5	80.3	20.0
STEWART SX 54			117.8	19.5	77.7	23.5
BO-JAC X4858			116.4	20.7	83.0	24.5
SUPER CROST 8282			115.8	21.3	72.0	8.4
MCNAIR X300			115.8	22.1	75.8	32.2
MCNAIR X180			115.6	17.8	83.7	6.6
DEKALB XL64			115.0	19.4	78.0	13.5
MUNCY CHIEF H764			114.2	19.3	71.6	24.6
DEKALB XL43			113.9	16.8	79.5	2.4
HULTING XL770		117.2	113.5	16.8	77.3	38.9
STULL'S SX707			113.2	20.8	76.1	35.1
KENTUCKY 105			111.5	21.2	76.1	45.6
MCNAIR X210			110.1	21.1	67.0	27.1
MUNCY CHIEF SX662			110.0	19.8	81.8	17.6
FUNK'S EXP 26205		114.0	108.3	21.6	78.4	37.4
STULL'S 877			107.3	21.1	80.7	17.3
STULL'S 809 SX			105.6	21.3	75.4	20.4
NORTHRUP-KING PX50A			102.7	16.3	87.1	7.4
MUNCY CHIEF SX550			88.5	18.3	80.7	18.3
YELLOW AVERAGE	128.4	125.1	121.4	19.7	79.6	23.0
WHITE						
MCNAIR X233			118.4	24.1	61.7	18.6
MCNAIR 225			103.0	20.8	76.1	25.7
KENTUCKY 5921W			100.6	21.0	78.4	23.8
WHITE AVERAGE			107.4	22.0	72.1	22.7
GRAND AVERAGE	128.4	125.1	120.5	19.8	79.2	23.0

TABLE 16.—ANNUAL SUMMARY, HIGH POPULATION, LEXINGTON, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1973 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LOGGED
YELLOW						
TROJAN TXS 113	166.2	170.3	186.4	18.6	89.4	5.9
NORTHRUP-KING PX74			183.4	17.1	87.1	4.4
MIGRO EXP 7070			183.1	19.8	89.4	21.1
HULTING X770		159.2	176.0	15.8	89.8	7.7
VORIS SEEDS V2562			175.8	18.1	81.4	7.3
BO-JAC X4858			173.8	19.2	92.0	9.1
NORTHRUP-KING PX76			172.6	17.2	90.2	8.5
DEKALB XL64			171.4	19.2	83.0	27.1
MCNAIR X300			167.9	20.5	83.7	21.1
MUNCY CHIEF SX662		152.3	166.0	18.0	86.7	9.6
BO-JAC X62			165.6	17.1	86.4	11.8
BO-JAC X7L			165.0	20.4	87.9	8.6
MIGRO M-5045		153.0	164.3	17.6	84.8	5.3
SO.STATES SS750			164.3	18.2	93.2	11.1
STULL'S 809 SX			163.6	20.4	84.1	22.5
MIGRO M-6666			163.6	18.8	89.4	11.8
MIGRO M-7072		160.1	163.3	18.1	88.6	17.2
FUNK'S G4646	160.3	154.2	162.6	20.6	87.9	16.2
BO-JAC X87L			157.0	21.1	85.6	26.2
SUPER CROST 8442			156.0	20.6	88.3	29.6
HULTING X9880			153.8	21.4	86.7	24.1
TROJAN TX 113			153.1	19.7	86.7	21.7
STULL'S SX707			152.9	17.6	87.1	13.6
PIONEER BRAND 3571	148.1	146.3	152.2	16.5	89.4	5.5
VORIS SEEDS V2502			151.7	17.7	87.1	17.9
FUNK'S EXP 26205			149.8	21.8	84.8	27.8
MCNAIR EXP 7090			147.2	18.8	84.8	20.2
MCNAIR X190			147.2	19.8	88.6	20.0
PIONEER BRAND EXP 0366A			142.9	16.6	87.5	9.0
MIGRO M-6646			141.7	17.8	89.4	15.7
BO-JAC X91			141.2	21.3	84.1	4.5
STULL'S EXP 8092			140.3	19.6	86.4	20.6
STULL'S EXP 8233			139.6	21.1	83.3	28.6
DEKALB XL43			139.2	16.3	85.6	12.1
STEWART SX 54			137.0	18.9	80.3	10.3
KENTUCKY 105			135.6	21.6	90.9	22.1
STULL'S 877			134.9	23.2	81.8	17.8
GUTWEIN 89			134.4	21.4	84.5	11.5
SUPER CROST 8282			134.0	22.4	76.5	6.4
MCNAIR X210			132.5	21.1	82.6	14.6
MIGRO M-0711	130.2	133.4	128.7	21.5	88.3	8.1
TROJAN TX 117			125.4	19.4	75.8	4.3
MCNAIR X180			125.1	18.7	81.4	42.0
MUNCY CHIEF H764			120.1	19.7	66.7	31.2
NORTHRUP-KING PX50A			108.1	15.6	80.3	15.8
MUNCY CHIEF SX550			100.2	17.8	80.3	8.9
YELLOW AVERAGE	151.2	153.6	151.1	19.2	85.4	15.6
WHITE						
MCNAIR X233			159.5	22.5	59.5	7.1
MCNAIR 225			139.8	20.1	84.8	16.9
KENTUCKY 5921W			131.3	19.6	91.3	18.7
WHITE AVERAGE			143.5	20.7	78.5	14.2
GRAND AVERAGE	151.2	153.6	150.6	19.3	85.0	15.5



TABLE 17.—ANNUAL SUMMARY, HIGH POPULATION,  
PRINCETON AND LEXINGTON, KY., 1973.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
NORTHROP-KING PX74	157.0	18.2	84.8	6.9
TROJAN TXS 113	154.9	18.4	84.5	16.2
MIGRO EXP 7070	153.7	20.3	85.4	30.6
BO-JAC X7L	151.1	20.8	86.7	15.3
BO-JAC X62	149.3	17.4	86.7	20.5
NORTHROP-KING PX76	148.9	17.9	84.8	18.0
MCNAIR X190	148.2	20.6	83.3	20.4
VORIS SEEDS V2562	147.3	18.4	79.5	27.9
MIGRO M-6666	147.2	19.0	86.2	29.2
FUNK'S G4646	146.9	20.4	84.7	16.6
MIGRO M-7072	146.3	18.7	84.8	30.5
BO-JAC X4858	145.1	19.9	87.5	16.8
HULTING X770	144.7	16.3	83.5	23.3
DEKALB XL64	143.2	19.3	80.5	20.3
SUPER CROST 8442	143.0	20.4	81.8	35.5
MIGRO M-5045	143.0	17.6	81.2	6.8
SO STATES SS750	142.8	18.9	89.6	21.7
MCNAIR X300	141.8	21.3	79.7	26.7
BO-JAC X87L	140.5	22.0	80.3	30.3
MCNAIR EXP 7090	140.1	18.6	81.1	18.0
VORIS SEEDS V2502	138.4	17.6	84.5	14.9
MUNCY CHIEF SX662	138.0	18.9	84.3	13.6
MIGRO M-6646	137.5	18.6	84.8	18.5
HULTING X9880	137.2	21.1	85.6	22.8
PIONEER BRAND 3571	136.8	17.1	85.4	6.5
STULL'S EXP 8092	135.9	18.7	84.8	20.7
BO-JAC X91	135.7	21.4	78.4	5.8
TROJAN TX 113	135.7	19.1	83.5	20.9
STULL'S EXP 8233	135.3	21.5	80.5	24.5
PIONEER BRAND EXP 03	135.2	16.9	85.6	12.8
STULL'S 809 SX	134.6	20.8	79.7	21.4
STULL'S SX707	133.0	19.2	81.6	24.3
FUNK'S EXP 26205	129.0	21.7	81.6	32.6
GUTWEIN 89	128.5	21.7	82.4	12.2
STEWART SX 54	127.4	19.2	79.0	16.9
DEKALB XL43	126.6	16.5	82.6	7.2
MIGRO M-0711	125.5	21.3	86.0	9.1
SUPER CROST 8282	124.9	21.8	74.2	7.4
KENTUCKY 105	123.5	21.4	83.5	33.8
TROJAN TX 117	123.0	19.7	79.2	14.7
MCNAIR X210	121.3	21.1	74.8	20.9
STULL'S 877	121.1	22.1	81.2	17.6
MCNAIR X180	120.4	18.2	82.6	24.3
MUNCY CHIEF H764	117.1	19.5	69.1	27.9
NORTHROP-KING PX50A	105.4	15.9	83.7	11.6
MUNCY CHIEF SX550	94.4	18.1	80.5	13.6
YELLOW AVERAGE	136.2	19.4	82.5	19.3
WHITE				
MCNAIR X233	139.0	23.3	60.6	12.8
MCNAIR 225	121.4	20.5	80.5	21.3
KENTUCKY 5921W	115.9	20.3	84.8	21.2
WHITE AVERAGE	125.4	21.3	75.3	18.5
GRAND AVERAGE	135.6	19.6	82.1	19.3

TABLE 18.—TWO-YEAR SUMMARY, HIGH POPULATION, PRINCETON AND LEXINGTON, KY., 1972 AND 1973.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
TROJAN TXS 113	150.4	18.4	87.5	15.8
MIGRO M-7072	146.5	18.5	87.9	26.0
MIGRO M-5045	142.2	17.7	82.8	14.6
FUNK'S G4646	142.0	19.6	85.8	15.7
HULTING X770	138.2	17.5	85.9	27.1
PIONEER BRAND 3571	133.6	18.3	86.1	8.4
MUNCY CHIEF SX662	133.1	19.2	88.2	15.3
MIGRO M-0711	128.8	21.5	88.4	18.4
YELLOW AVERAGE	139.4	18.9	86.6	17.7

TABLE 19.—THREE-YEAR SUMMARY, HIGH POPULATION, PRINCETON AND LEXINGTON, KY., 1971, 1972 AND 1973.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
TROJAN TXS 113	148.9	19.6	87.1	14.6
FUNK'S G4646	144.9	20.9	85.5	13.8
PIONEER BRAND 3571	133.5	18.1	85.4	7.9
MIGRO M-0711	131.8	22.0	83.2	13.2
YELLOW AVERAGE	139.8	20.1	85.3	12.4



TABLE 20.—CORN VIRUS TEST, NORMAL POPULATION, IRVINE, KY.

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
VORIS SEEDS V2632	1.2	66.9	17.0	93.2	2.8
HOLDENS 1028	1.3	57.7	18.4	82.3	7.6
P-A-G SX 17A	1.5	46.2	21.1	87.0	0.0
BO-JAC X7L	1.5	51.0	22.1	91.7	4.0
BO-JAC 8371	1.5	58.0	20.3	87.5	3.6
PIONEER BRAND 3147	1.7	54.0	24.3	83.9	4.7
HULTING X8775	1.7	44.6	17.3	84.4	3.7
MCNAIR X300	1.7	70.5	21.8	91.1	1.7
TROJAN MDM 111	1.7	78.4	18.1	90.6	3.4
TROJAN X 54	1.7	56.5	18.0	87.5	1.7
ZIMMERMAN Z24	1.7	69.1	20.6	85.4	1.2
STULL'S 809A SP	1.8	58.2	20.5	78.1	6.7
BO-JAC X1-83	1.8	75.0	18.8	88.0	5.8
PIONEER BRAND 3179	2.0	60.6	21.5	77.1	2.1
MCNAIR X180	2.0	43.7	19.6	72.4	1.9
FUNK'S G4762	2.0	73.8	22.2	91.7	7.4
MCNAIR X210	2.2	52.4	21.3	83.9	1.2
NORTHRUP-KING NK1923	2.2	65.5	21.9	88.5	7.0
HULTING X770	2.3	58.7	16.7	82.8	20.0
ASGROW RX 132	2.3	59.8	23.2	79.7	2.4
TROJAN X 2722	2.3	55.8	25.4	84.9	5.9
TROJAN X 3524	2.3	65.2	19.4	85.4	8.5
DEKALB 1002	2.5	31.2	24.3	82.3	9.4
PRINCETON SX 650	2.5	52.8	18.2	89.1	3.5
MCNAIR X190	2.5	52.9	21.1	92.7	1.2
NORTHRUP-KING NK1925	2.5	65.5	21.2	89.1	3.4
HOLDENS 1020	2.5	55.1	17.5	82.8	5.5
KENTUCKY 105	2.7	34.9	22.9	81.3	1.4
FUNK'S G4761	2.7	38.0	21.1	74.0	2.8
FUNK'S G4808	2.7	42.0	23.8	67.7	4.3
HULTING X877	2.7	34.8	20.3	80.7	3.8
ASGROW RX 115	2.7	45.4	20.8	87.0	4.2
HOLDENS 1022	2.7	61.2	17.1	84.9	5.7
MCNAIR 225	2.7	45.1	21.8	74.0	2.0
COKER 56	2.7	50.5	23.3	77.1	6.2
DEKALB XL70	2.7	47.8	19.4	84.9	2.4
NORTHRUP-KING NK1922	2.7	54.0	24.1	80.7	4.3
SO.STATES SS866	3.0	36.8	20.9	70.8	15.7
STULL'S 911 SP	3.0	45.2	24.7	75.5	0.0
T-E VR-20-Y	3.2	37.2	22.4	82.8	1.2
BO-JAC X87L	3.7	35.9	24.1	84.4	3.6
BO-JAC X91	4.0	53.8	22.3	85.9	7.1
YELLOW AVERAGE	2.3	53.4	21.0	83.4	4.5
WHITE					
PRINCETON SX 935	1.8	51.3	23.9	87.0	5.4
ZIMMERMAN Z11	2.0	41.8	25.2	55.7	0.0
STULL'S 555W	2.3	51.7	23.5	77.6	2.0
T-E M-20-W	2.7	39.7	23.1	64.1	3.5
STULL'S 560W SP	3.3	35.4	22.7	82.3	3.8
STULL'S 450W	3.3	42.7	20.8	86.5	2.5
KENTUCKY 5921W	3.5	23.8	23.9	81.8	1.3
WHITE AVERAGE	2.7	40.9	23.3	76.4	2.6
GRAND AVERAGE	2.4	51.6	21.3	82.4	4.3

TABLE 21.—TWO-YEAR SUMMARY, CORN VIRUS TEST, NORMAL POPULATION;  
1972 AND 1973.

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
P-A-G SX 17A	1.4	83.0	21.2	85.7	13.0
TROJAN X 54	1.5	83.7	19.8	86.5	17.3
PIONEER BRAND 3179	1.7	90.4	21.7	82.8	20.9
TROJAN MDM 111	2.0	83.1	18.8	84.4	17.1
PIONEER BRAND 3147	2.2	71.0	23.0	71.6	6.1
FUNK'S G4761	2.5	61.1	20.3	76.0	15.5
FUNK'S G4808	2.7	64.6	22.8	72.9	18.7
STULL'S 911 SP	3.2	73.1	23.1	83.6	21.6
T-E VR-20-Y	3.3	64.3	21.8	76.3	7.9
SO.STATES S5866	3.3	63.3	21.2	72.9	21.3
MCNAIR X300	4.0	66.6	22.2	83.6	38.4
HOLDENS 1022	4.0	65.7	20.0	82.6	40.4
MCNAIR X210	4.6	45.9	22.4	79.4	36.9
KENTUCKY 105	4.8	34.0	21.8	72.4	27.7
YELLOW AVERAGE	2.9	67.8	21.4	79.3	21.6
WHITE					
STULL'S 560W SP	3.3	69.1	22.1	84.4	22.1
KENTUCKY 5921W	5.3	36.4	22.1	82.0	19.0
WHITE AVERAGE	4.3	52.7	22.1	83.2	20.5
GRAND AVERAGE	3.1	66.0	21.5	79.8	21.5



TABLE 22.—THREE-YEAR SUMMARY, CORN VIRUS TEST, NORMAL POPULATION,  
1971, 1972, AND 1973.

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
PIONEER BRAND 3179	1.7	90.4	21.3	74.8	31.8
PIONEER BRAND 3147	2.2	79.8	22.7	74.7	24.3
FUNK'S G4761	2.5	64.0	20.8	72.0	28.9
FUNK'S G4808	2.7	64.4	23.0	70.7	34.7
SO.STATES SS866	3.3	55.8	21.3	68.9	34.3
KENTUCKY 105	4.8	26.9	19.7	62.8	41.0
YELLOW AVERAGE	2.9	62.0	21.5	70.7	32.5
WHITE					
STULL'S 560W SP	3.3	65.1	21.9	74.1	40.6
WHITE AVERAGE	3.3	65.1	21.9	74.1	40.6
GRAND AVERAGE	2.9	62.4	21.5	71.2	33.7

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