



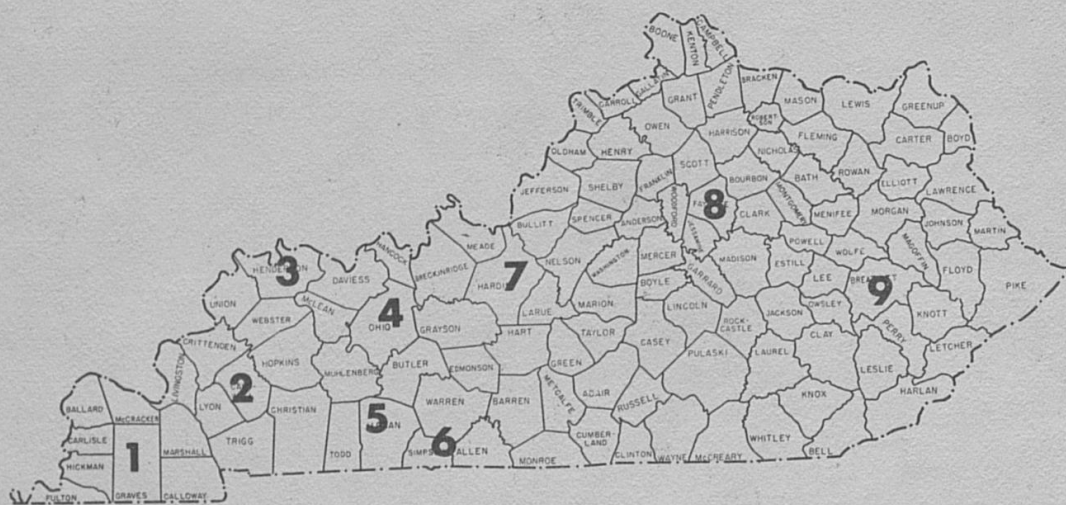
KENTUCKY HYBRID CORN PERFORMANCE TEST — 1974

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PROGRESS REPORT 215

UNIVERSITY OF KENTUCKY
COLLEGE OF AGRICULTURE
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Department of Agronomy
Lexington

LOCATIONS OF THE 1974 KENTUCKY HYBRID CORN PERFORMANCE TEST



(Locations identified in Table 3.)

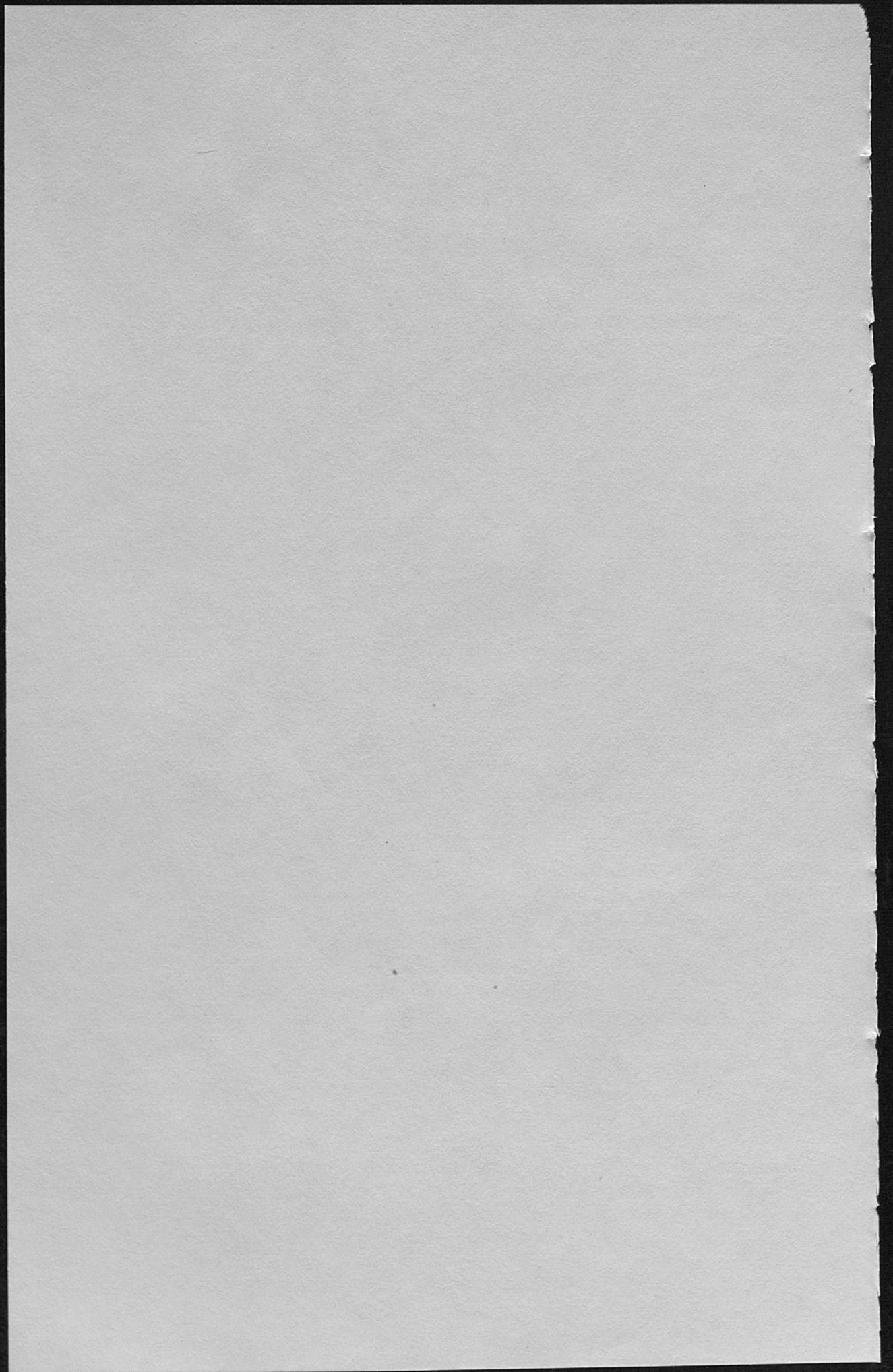
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LIST OF TABLES

	<i>Page</i>
Table 1.—Pedigrees of Experiment Station Hybrids Tested in 1974	8
Table 2.—Hybrids Tested in 1974	9
Table 3.—Agronomic Information Pertaining to 1974 Test Locations	13
Table 4.—Annual Summary, Normal Population, Mayfield, Ky.	14
Table 5.—Annual Summary, Normal Population, Princeton, Ky.	15
Table 6.—Annual Summary, Normal Population, Henderson, Ky.	16
Table 7.—Annual Summary, Normal Population, Hartford, Ky.	17
Table 8.—Annual Summary, Normal Population, No-till, Franklin, Ky.	18
Table 9.—Annual Summary, Normal Population, No-till, Elizabethtown, Ky.	19
Table 10.—Annual Summary, Normal Population, Lexington, Ky.	20
Table 11.—Annual Summary, Normal Population, Quicksand, Ky.	21
Table 12.—Annual Summary, Normal Population, All Non-Virus Locations, 1974	22
Table 13.—Two-year Summary, Normal Population, All Non-Virus Locations, 1973 and 1974	23
Table 14.—Three-year Summary, Normal Population, All Non- Virus Locations, 1972, 1973 and 1974	24
Table 15.—Annual Summary, High Population, Princeton, Ky.	25
Table 16.—Annual Summary, High Population, Lexington, Ky.	26
Table 17.—Annual Summary, High Population, Princeton and Lexington, Ky., 1974	27
Table 18.—Two-year Summary, High Population, Princeton and Lexington, Ky., 1973 and 1974	28
Table 19.—Three-year Summary, High Population, Princeton and Lexington, Ky., 1972, 1973, and 1974	28
Table 20.—Corn Virus Test, Normal Population, Russellville, Ky.	29
Table 21.—Two-year Summary, Corn Virus Test, Normal Population, 1973 and 1974	30
Table 22.—Three-year Summary, Corn Virus Test, Normal Population, 1972, 1973, and 1974	31



Kentucky Hybrid Corn Performance Test 1974

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 1974 data are presented for each location where a test was conducted. Two-year and three-year yield 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 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.

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 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 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 Russellville site was specifically chosen for the presence of corn virus.

Planting of the Princeton tests was delayed because of a Johnsongrass control program and subsequently were heavily lodged from southwestern corn borer infestation. The yields (Tables 5 and 25) were influenced by the late planting as well as the extreme lodging which resulted in harvest losses.

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 an orchardgrass sod and at Franklin in a fescue sod, 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 (MDM), a second virus, maize chlorotic dwarf virus (MCD), 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 Russellville, 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 maize chlorotic dwarf virus is being evaluated.

TABLE 1.—PEDIGREES OF EXPERIMENT STATION HYBRIDS TESTED IN 1974.

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 1974.

Hybrid		Test *	Color	Cross **	Source of Hybrid
A.C.C.O.	UC8801	A	Yellow	2X	ACCO Seed, Div. of Anderson, Clayton & Co. P.O. Box 9 Belmond, Ia. 50421
	UC9301	A	"	2X	
Asgrow	RX99A	A	Yellow	2X(Mod.)	Asgrow Seed Co. Des Moines, Ia 50310
	RX115	AC	"	2X	
	RX123W	C	White	3X	
	RX125W	C	"	3X	
Bo-Jac	X1A	A	Yellow	2X	Bo-Jac Hybrid Corn Co. Boute # 2 Mt. Pulaski, Ill. 62548
	X7L	BC	"	2X	
	X7L-10	B	"	2X	
	X62	B	"	2X	
	X83	AC	"	2X	
	8371	C	"	4X	
Broadbent	B + B 9-2	A	Yellow	2X	Broadbent Hybrids Route # 1 Cadiz, Ky. 42211
	B + B 10-3	A	"	3X	
	B + B 11-7	A	"	2X	
Coker	16	AB	Yellow	2X(Mod.)	Cokers Pedigreed Seed Co. P.O. Box 340 Hartsville, S.C. 29550
	56	AC	"	4X	
Dekalb	XL68	AB	Yellow	2X	Dekalb Agr. Research Inc. Dekalb, Ill. 60015
	XL72B	ABC	"	2X	
	XL78	AB	"	2X	
	XL80	A	"	2X	
	XL390W	A	White	3X	
Funk's	G4628	A	Yellow	2X	Funk Seeds International, Inc. 1300 W. Washington Bloomington, Ill. 61701
	G4646	AB	"	SPX	
	G4737	AB	"	2X	
	G4762	C	"	3X	
	G4770	A	"	SPX	
	G5666	A	"	4X	
	G4810	C	"	2X	
	Exp. 25601	C	"	2X	
	Exp. 26550	C	"	3X	
Golden Harvest	H2626	C	Yellow	2X(Mod.)	Columbiana Seed Co. Eldred, Ill. 62027
	H2655	A	"	2X(Mod.)	
	H2660	A	White	2X(Mod.)	
	H2690	A	Yellow	2X(Mod.)	
	H2750	AC	"	3X	
	H2831	C	"		
Gutwein	64	B	Yellow	2X	Fred Gutwein & Sons, Inc. R.R.1, Box 40 Francesville, Ind. 47946
	65A	B	"	2X	
	86	A	"	2X	
	88A	A	"	2X	

(continued)

(Footnotes appear at end of table.)

TABLE 2.--(continued)

Hybrid		Test *	Color	Cross **	Source of Hybrid
Holdens	1026	C	Yellow	2X(Mod.)	Holdens Foundation Seeds
	1028	C	"	2X(Mod.)	Williamsburg, Ia.
	1048	C	"	2X	52361
Hulding	X770	BC	Yellow	2X	"Hulding Hybrids" Div of
	X980	AB	"	2X	Ferry Morse
	X8775	C	"	3X	Box 24
	X9861	B	"	3X	Geneseo, Ill.
	X9880	AB	"	3X	61254
	Exp.73649	C	"	2X	
K.A.E.S.	Ky 105	BC	Yellow	4X	Kentucky Agricultural Experiment Station University of Kentucky Lexington, Ky. 40506
	Ky 5921W	C	White	4X	
Mason	5550	A	White	3X	Mason Hybrid Corn Co.,Inc. 1017 W. Main St. P.O. Box 4 Princeton, Ky. 42445
	8869	A	Yellow	2X	
	9997	C	"	3X	
McNair	X170	B	Yellow	2X	McNair Seed Co. P.O. Box 706 Laurinburg, N.C. 28352
	X190	AB	"	2X	
	X194	B	"	2X	
	X233	AB	White	2X	
	X300	C	Yellow	2X	
	S338	C	"	3X	
	73002	C	"	2X	
Migro	M-600	C	Yellow	2X	Migro Hybrids Box 7 Mitchell, Ind. 47446
	M-5045	B	"	4X	
	M-6666	B	"	2X	
	M-7070	AB	"	2X	
	M-7072	AB	"	2X	
Muncy Chief	SX662	B	Yellow	2X	Munch Chief Hybrids Market & High Streets Muncy, Pa. 17756
	H764	B	"	4X	
	SX878	A	"	2X	
	3X898	A	"	3X	
Northrup-King	PX74	AB	Yellow	2X	Northrup, King & Co. 1500 Jackson St.,N.W. Minneapolis, Minn. 55413
	PX76	AB	"	2X	
	PX77	AB	"	2X	
	PX79	B	"	2X	
	PX91	C	"	2X	
	PX737	C	"	3X	
P.A.G.	SX17A	AC	Yellow	2X	P.A.G. Seeds Box 2187 Loop Station Minneapolis, Minn. 55402
	SX39	A	"	2X	
	SX98	A	"	2X	
	SX70W	A	White	2X	
	644W	A	"	3X	

(continued)

TABLE 2.--(continued)

Hybrid		Test *	Color	Cross **	Source of Hybrid
Pioneer Brand	511A	A	White	4X	Pioneer Hi-Bred, Inc. 221 N. Main St. Tipton, Ind. 46072
	3145	C	Yellow	3X	
	3147	C	"	2X(Mod.)	
	3161	AB	"	3X(Mod.)	
	3179	C	"	2X(Mod.)	
	3369A	A	"	2X	
	3368	A	"	2X(Mod.)	
	3535	AB	"	2X	
	3571	AB	"	2X(Mod.)	
Princeton	SX630	A	Yellow	2X	Princeton Farms P.O. Box 319 Princeton, Ind. 47670
	865	C	"	4X	
	SX850	A	"	2X	
	MD885	C	"	4X	
	SX910	AC	White	2X	
	SP935	A	"	SPX	
Seedkem	SKX66	AB	Yellow	2X	Seed Kem Inc. 526 N.W. Fourth St. Evansville, Ind. 47701
	SKX88A	A	"	2X	
So. States	S.S. 715	A	Yellow	3X	Southern States Coop, Inc. 2600 Durham St. Richmond, Va. 23220
	S.S. 750	B	"	SPX	
	S.S. 775	AB	"	2X	
	S.S. 840	A	"	4X	
	S.S. 866	C	"	4X	
S.S. Hybrids	JX86	AB	Yellow	2X	S.S. Hybrids Camden, Ind. 46917
	JX7101	AB	"	2X	
Stull's	SX2666	A	Yellow	2X	Stull Hybrids Inc. P.O. Box 7 Sebree, Ky. 42455
	SX2700	AC	"	2X	
	SX2744	A	"	2X	
	WSX2788	A	White	2X	
	WSP2799	A	"	3X	
	SP2825	C	Yellow	3X	
Stewart's	SX58	B	Yellow	2X	Stewart Hybrids Princeville, Ill. 61559
	SX68	A	"	2X	
	SX71K	AB	"	2X	
Super Crost	S67	B	Yellow	2X	Edw. J. Funk & Sons, Inc. P.O. Box 67 Kentland, Ind. 47951
	70DR	C	"	2X	
	S85	B	"	2X	
	5440	A	"	2X	
	7772	AB	"	2X	
Taylor-Evans	VR-20Y	C	Yellow	4X	Taylor-Evans Seed Co. P.O. Box 68 Tulia, Tx. 79088
	T-E6968	A	"	2X	
	T-E6969	A	"	2X	

(continued)

TABLE 2.--(continued)

Hybrid		Test*	Color	Cross**	Source of Hybrid
Trojan	TXS113	AB	Yellow	2X	Trojan Seed Co.
	TXS114	AB	"	2X	Windfall, Ind.
	TXS115A	AB	"	2X	46076
	X142	C	"	2X	
	X2722	C	"	2X	
	X3524	C	"	3X	
Voris	V2502	B	Yellow	2X	Voris Seeds, Inc.
	V2562	B	"	2X	Box 457
	V2632	AC	"	2X	Windfall, Ind.
	V2662	A	"	2X	46076
Zimmerman	Z-11W	AC	White	2X	Zimmerman Hybrids
	Z-24Y	AC	Yellow	2X	R.R.# 2
	Z-52W	C	White	3X	Evansville, Ind. 47712

* 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, SPX = Special cross.

TABLE 3.-AGRONOMIC INFORMATION PERTAINING TO 1974 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 - 175 P ₂ O ₅ -40 K ₂ O-40	Aatrex and Lasso	Furadan 10 lb/A	April 29	Sept. 24	
(2) Princeton, Ky. Western Ky. Substation	Huntington & Lindsie Silt Loam	N - 150 P ₂ O ₅ -None K ₂ O-60	Aatrex and Eradicane Preplant Incorporated	"	May 21 " 29	Oct. 18(N) Oct. 22(H)	Johnsongrass Control Program S.W. Corn Borer
(3) Henderson, Ky. Janes McConathy	Wakeland Silt Loam	N - 200 P ₂ O ₅ -172 K ₂ O-90	Aatrex and Sutan + Preplant Incorporated	"	May 14	Oct. 17	
(4) Hartford, Ky. Walter & Earl Campbell	Stendal Silt Loam	N - 200 P ₂ O ₅ -80 K ₂ O -80	Aatrex and Sutan + Preplant Incorporated	"	May 1	Sept. 26	
(5) Russellville, Ky. Charles Noe	Pembroke Silt Loam	N - 106 P ₂ O ₅ - 102 K ₂ O - 102	Aatrex and Eradicane Preplant Incorporated	"	April 26	Sept. 20	Corn Viruses
(6) Franklin, Ky. Bob Wade	Bedford Silt Loam	N - 160 P ₂ O ₅ - 160 K ₂ O - 160	Aatrex, Lasso, and Paraquat Preplant	"	April 25	Sept. 19	No-till, Rescue sod, incomplete sod kill.
(7) Elizabethtown, Ky. J. W. Miller	Crider Silt Loam	N - 125 P ₂ O ₅ - 100 K ₂ O - 100	Aatrex and Paraquat Preplant	"	April 24	Sept. 30	No-till Orchardgrass sod.
(8) Lexington, Ky. Ky A.E.S. Spindletop Farm	Lanton Silt Loam	N - 150 P ₂ O ₅ -None K ₂ O - 60	Princep and Eradicane Preplant Incorporated	"	May 7	Oct. 3(N) Oct. 3(H)	
(9) Quicksand, Ky. Robinson Substation	Jefferson Silt Loam	N - 160 P ₂ O ₅ -60 K ₂ O -60	Aatrex Broadcast	"	May 13	Oct. 28	

TABLE 4.—ANNUAL SUMMARY (1974), NORMAL POPULATION, MAYFIELD, KY.

HYBRID	3-YR			2-YR			1974 RESULTS			1974 RESULTS		
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL LODGED	AVG % MOIST	AVG % STAND	TOTAL LODGED
YELLOW												
TROJAN TXS 114							20.9	97.9	0.5	153.9	87.0	0.7
SO.-STATES 55775		144.9					21.7	96.4	1.1	153.5	90.1	0.6
T-E 6968							20.3	91.1	1.1	153.0	90.6	0.6
NORTHROP-KING PX76							21.2	94.3	2.8	151.9	79.7	1.2
PIONEER BRAND 3368							22.0	96.4	0.0	151.5	90.1	0.0
STULL'S SX2700	156.3	153.7					21.2	95.3	1.1	150.8	89.6	0.6
DEKALB XL80							22.2	83.9	0.7	150.6	21.8	0.0
S S HYBRIDS JX-86		155.0					23.1	86.5	1.2	150.5	21.6	1.1
DEKALB XL78		153.2					21.0	94.3	0.5	150.4	19.2	0.0
STEWART SX 71K							22.7	94.8	0.0	149.9	23.3	0.0
FUNK'S G4628		148.8					22.7	94.8	0.0	149.0	23.5	2.9
MIGRO M-7072		156.8					21.5	90.1	0.6	146.4	22.0	0.8
ZIMMERMAN 224Y		165.4					21.8	96.4	2.2	145.5	20.6	0.6
GUTWEIN 88A							19.0	89.6	1.1	142.6	20.5	1.1
GOLDEN HARVEST H2655							22.2	87.5	0.6	142.5	18.6	0.5
PIONEER BRAND 3161							22.4	90.1	1.3	141.6	20.1	0.0
MASON 8869							22.9	93.8	2.2	140.3	20.1	0.0
MUNCY CHIEF SX878							22.4	93.2	2.3	139.4	18.0	4.8
B & B 11-7		142.8					20.4	91.1	0.0	139.4	22.1	0.0
FUNK'S G5666							21.2	85.4	0.0	137.2	20.2	1.6
BO-JAC X83	149.1	153.2					20.2	92.7	0.6	137.0	21.5	2.1
TROJAN TXS 113		151.4					21.0	94.3	1.1	137.0	21.7	2.6
B & B 10-3		141.8					21.9	90.1	0.0	137.0	21.7	2.6
PIONEER BRAND 3369A		152.9					21.3	88.5	0.0	137.0	21.7	2.6
FUNK'S G4646		137.2					20.7	92.2	0.5	97.7	22.7	3.0
P-A-G SX 17A							18.6	89.6	0.0	156.5	21.3	1.2
PIONEER BRAND 3571		145.4					22.0	94.8	1.1	144.8	23.2	2.2
FUNK'S G4737							22.6	90.6	4.1	176.8	21.3	4.2
T-E 6969							18.9	95.3	1.6	176.1	23.1	0.6
DEKALB XL68							20.6	91.1	3.2	174.7	21.7	1.7
ASGROW RX 115	151.7	150.7					21.3	87.0	0.0	167.9	23.0	2.9
S S HYBRIDS JX-7101		146.5					20.7	88.5	2.4	166.8	24.2	2.3
MUNCY CHIEF 3X898							22.4	81.3	0.0	166.1	23.2	1.1
MIGRO M-7070							18.8	93.2	0.0	164.3	23.9	1.3
TROJAN TXS 115A							20.8	88.0	0.6	164.3	23.9	1.3
GUTWEIN 86		147.5					21.2	83.3	0.0	162.4	22.9	4.2
BO-JAC X1A		144.0					20.6	90.1	1.2	159.3	22.0	2.7
DEKALB XL728							22.8	96.9	2.2	159.3	21.9	2.2
FUNK'S G4770							20.0	89.1	5.3	141.2	22.5	3.8
A.C.C.O. UC 8801							26.0	92.7	3.9	141.2	22.5	3.8
COKER 56							21.5	94.8	1.6	166.7	22.8	3.5
B & B 9-2		133.2					21.4	88.5	0.0	166.7	22.8	3.5
SUPER CROST 7772		152.0					21.4	88.5	0.0	166.7	22.8	3.5
NORTHROP-KING PX77		148.9					20.6	90.6	1.7	158.0	21.5	1.6
WHITE												
MCNAIR X233												
PRINCETON SX 910												
ZIMMERMAN 711W												
GOLDEN HARVEST H2660												
P-A-G 644W												
DEKALB XL390W												
PIONEER BRAND 511A												
P-A-G SX 70W												
MASON 5550												
STULL'S WSP2799												
PRINCETON SP 935												
STULL'S WSX2788												
WHITE AVERAGE												
GRAND AVERAGE												

TABLE 5.—ANNUAL SUMMARY (1974), NORMAL POPULATION, PRINCETON, KY.

HYBRID	3-YR			2-YR			1974 RESULTS			1974 RESULTS		
	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	AVG. % MOIST	AVG. % STAND	TOTAL LODGED	AVG. % MOIST	AVG. % STAND	TOTAL LODGED
YELLOW												
TROJAN TXS 115A							21.2	83.3	12.5			15.5
GUTWEIN 88A							23.0	91.1	26.9			12.3
BO-JAC X83							21.4	90.6	11.6			14.0
TROJAN TXS 114							22.5	90.1	15.7			13.1
PIONEER BRAND 3369A							21.4	85.9	16.6			16.0
SUPER CROST 5440							20.5	80.2	10.8			24.4
DEKALB XL80							22.7	94.3	18.8			18.9
DEKALB XL68							20.8	85.4	20.1			17.1
PIONEER BRAND 3161							21.3	85.9	14.8			16.1
BO-JAC X1A							22.6	84.4	17.9			25.4
ZIMMERMAN 724Y							21.1	91.7	18.3			17.5
STEWART SX 71K							20.6	84.4	16.1			15.1
MASON 8869							22.9	90.6	17.2			28.0
NORTHROP-KING PX76							21.9	88.5	14.7			15.5
T-E 6968							21.7	83.9	7.5			23.2
PRINCETON SX 850							21.2	90.6	18.7			21.5
DEKALB XL72B							21.1	90.1	8.1			12.0
MUNCY CHIEF SX878							23.1	78.1	28.8			26.6
PIONEER BRAND 3535							19.0	87.0	8.4			20.5
P-A-G SX 17A							21.2	81.3	17.0			23.2
STULL'S SX2744							22.2	83.3	21.4			23.2
PIONEER BRAND 3571							19.6	81.8	18.5			27.7
T-E 6969							23.5	85.4	19.6			15.0
P-A-G SX 98							22.8	84.9	10.5			28.0
MUNCY CHIEF 3X898							20.7	83.3	21.3			17.5
GOLDEN HARVEST H2655							21.0	81.3	14.7			
A-C-C-O, UC 8801							21.0	83.3	16.9			
VORIS SEEDS V2632							19.9	77.6	17.6			
S S HYBRIDS JX-7101							21.0	89.1	9.4			
FUNK'S G4646							21.3	84.4	21.2			
MUNNAIR X190							23.0	88.0	18.0			
SD-STATES S5775							21.8	81.3	19.7			
ASGROW RX 115							20.6	77.1	9.9			
GUTWEIN 86							22.4	85.4	17.6			
PIONEER BRAND 3368							21.3	82.8	14.7			
HULTING X980							21.8	87.5	10.6			
B & B 10-3							22.1	82.3	16.5			
TROJAN TXS 113							21.0	79.7	11.3			
NORTHROP-KING PX74							20.2	87.5	11.7			
PRINCETON SX 630							21.1	77.1	10.3			
DEKALB XL78							21.9	85.9	15.4			
MIGRO M-7070							23.2	82.3	27.3			
SUPER CROST 7772							22.2	85.9	16.0			
WHITE												
ZIMMERMAN 711H												
MCNAIR X233												
PRINCETON SX 910												
GOLDEN HARVEST H2660												
PRINCETON SP 935												
STULL'S WSP2799												
MASON 5550												
STULL'S WSX2788												
PIONEER BRAND 511A												
P-A-G SX 70W												
P-A-G 644W												
DEKALB XL390W												
WHITE AVERAGE												
GRAND AVERAGE												
YELLOW AVERAGE												
3-YR YIELD BUZ/AC	128.1	119.8	106.7	21.6	83.0	17.5						
2-YR YIELD BUZ/AC	128.8	140.1	123.3	25.2	92.7	18.0						
YIELD BUZ/AC	122.0	122.0	118.4	24.3	87.5	13.9						
AVG. % MOIST	24.7	25.1	24.7	25.1	85.9	20.6						
AVG. % STAND	22.8	22.8	22.8	22.8	81.3	10.4						
TOTAL LODGED	23.2	23.2	23.2	23.2	84.4	27.9						
3-YR YIELD BUZ/AC	124.0	116.3	100.9	24.6	84.9	23.9						
2-YR YIELD BUZ/AC	128.4	120.4	99.3	23.5	86.5	33.5						
YIELD BUZ/AC	128.8	115.4	95.0	23.9	81.7	20.6						
AVG. % MOIST	125.0	114.9	93.0	23.7	72.9	25.1						
AVG. % STAND	124.7	109.1	92.1	24.4	83.9	27.0						
TOTAL LODGED	126.2	117.5	108.5	24.1	82.6	22.0						
3-YR YIELD BUZ/AC	127.4	119.3	106.9	22.0	83.0	18.2						
2-YR YIELD BUZ/AC	127.4	119.3	106.9	22.0	83.0	18.2						
YIELD BUZ/AC	127.4	119.3	106.9	22.0	83.0	18.2						
AVG. % MOIST	22.0	22.0	22.0	22.0	83.0	18.2						
AVG. % STAND	22.0	22.0	22.0	22.0	83.0	18.2						
TOTAL LODGED	22.0	22.0	22.0	22.0	83.0	18.2						

TABLE 6.—ANNUAL SUMMARY (1974), NORMAL POPULATION, HENDERSON, KY.

HYBRID	1974 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	1974 RESULTS	TOTAL LODGED
								AVG % STAND		
YELLOW										
S S HYBRIDS JX-7101			171.1	21.1			87.0	0.0		1.9
MCNAIR X190		166.1	169.0	23.1			85.9	2.4		0.7
TROJAN TXS 114			167.8	21.8			89.6	0.0		0.0
BO-JAC X83	158.5	169.0	161.4	21.3			81.8	0.0		0.0
FUNK'S G4628		164.0	158.9	23.0			82.3	0.0		0.0
A.C.C.O. UC 9301			158.4	21.3			84.4	0.0		0.0
PIONEER BRAND 3368	149.4	160.0	157.5	21.0			84.9	0.0		0.0
MUNCY CHIEF SX878			157.4	23.3			82.8	0.0		0.0
DEKALB XL78			157.1	21.1			81.8	0.0		0.0
STULL'S SX2700			156.3	22.0			81.8	0.0		0.0
SUPER CROST 7772		159.8	156.2	21.6			82.8	0.0		0.0
TROJAN TXS 115A			155.9	20.5			84.4	0.0		0.0
MIGRO M-7072		161.6	154.8	21.9			78.6	0.0		0.0
GOLDEN HARVEST H2655			154.5	20.9			79.7	0.0		0.0
PRINCETON SX 630			153.1	22.6			82.8	0.0		0.0
NORTHROP-KING PX76			153.0	21.9			88.0	1.1		0.7
DEKALB XL72B	159.4	166.6	152.4	20.9			80.7	0.0		0.0
PIONEER BRAND 3369A			152.2	22.8			82.8	0.6		0.0
FUNK'S G5666			152.1	21.4			79.7	0.0		0.0
B & B 10-3		150.4	152.1	24.4			86.5	0.6		0.0
GUTWEIN 88A			151.8	22.7			73.4	0.0		0.0
P-A-G SX 98		154.8	151.5	23.3			84.9	0.6		0.0
FUNK'S G4770			151.3	22.2			76.6	1.2		0.0
DEKALB XL80		162.6	151.1	21.4			82.8	0.0		0.0
STULL'S SX2666			150.3	21.7			81.3	0.0		0.0
PIONEER BRAND 3161			149.6	22.9			76.0	0.0		0.0
STULL'S SX2744			149.0	21.7			81.3	0.0		0.0
P-A-G SX 17A			148.2	22.4			83.3	0.0		0.0
SO. STATES S5775		155.3	146.5	21.7			78.6	0.0		0.0
S S HYBRIDS JX-86		151.7	145.8	21.8			71.4	0.0		0.0
A.C.C.O. UC 8801			145.0	22.0			79.7	0.0		0.0
FUNK'S G4646	138.0	146.1	144.6	22.6			83.3	0.0		0.0
ASGRON RX 115	149.4	148.4	144.3	21.7			86.5	0.6		0.0
GUTWEIN 86			144.3	24.5			84.4	0.0		0.0
FUNK'S G4737			144.1	21.4			83.3	0.0		0.0
PRINCETON SX 850	150.7	153.0	144.0	21.6			71.4	1.3		0.0
ZIMMERMAN Z24Y		158.4	143.7	26.6			80.2	0.0		0.0
COKER 56			142.8	20.3			77.1	0.0		0.0
TROJAN TXS 113		155.1	142.3	22.6			71.4	0.0		0.0
NORTHROP-KING PX74			142.1	22.6			78.1	0.0		0.0
BO-JAC X1A		153.3	142.1	23.6			81.8	0.0		0.0
B & B 11-7			141.4	21.7			80.7	3.1		0.0
NORTHROP-KING PX77		147.7	141.0	19.9			80.7	0.0		0.0
DEKALB XL68			141.0	19.9			80.7	0.0		0.0
YELLOW AVERAGE	147.4	153.9	142.6	22.1			79.1	0.4		0.4
WHITE										
STULL'S WSP2799			157.5	23.9			79.7	0.0		0.0
MCNAIR X233			154.5	24.8			88.5	0.6		0.6
P-A-G SX 70W	148.0	150.2	152.1	26.5			84.4	0.6		0.6
GOLDEN HARVEST H2660			147.5	24.5			73.4	0.0		0.0
ZIMMERMAN Z11W		150.8	144.3	25.7			78.6	0.0		0.0
PRINCETON SX 910			143.5	25.3			79.7	0.0		0.0
DEKALB XL390W		141.4	142.3	25.3			81.8	0.0		0.0
PIONEER BRAND 511A		141.4	136.1	26.4			82.3	3.8		3.8
PRINCETON SP 935			135.3	24.2			78.1	0.6		0.6
STULL'S WSX2788		141.2	132.0	24.5			78.6	0.0		0.0
P-A-G 644W		138.9	128.8	24.8			76.6	2.6		2.6
MASON 5550			117.0	22.9			80.7	1.8		1.8
WHITE AVERAGE	141.9	143.1	140.9	24.9			80.2	0.9		0.9
GRAND AVERAGE	145.3	151.8	142.3	22.5			79.2	0.5		0.5

TABLE 7.—ANNUAL SUMMARY (1974), NORMAL POPULATION, HARTFORD, KY.

HYBRID	3-YR			2-YR			1974 RESULTS			1974 RESULTS			TOTAL		
	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	AVG % MOIST	STAND	% LODGED	YIELD BU/ZAC	AVG % MOIST	STAND	% LODGED	
YELLOW															
P-A-G SX 98	143.8	141.5	141.5	151.7	143.8	141.5	24.8	85.4	1.2		31.8	83.9	1.3		
PIONEER BRAND 3369A	148.9			150.7	148.9		22.6	88.5	1.0		24.7	79.7	10.5		
FUNK'S G4628	148.2			150.5	148.2		25.4	90.6	5.7		22.8	82.8	8.9		
TROJAN TXS 114				144.0			23.5	92.7	1.1		23.1	88.5	6.4		
BO-JAC X1A	141.8			142.3	141.8		23.3	92.7	0.7		24.4	86.5	8.4		
ZIMMERMAN Z24Y	128.5			141.7	128.5		22.6	92.2	2.3		23.4	84.4	4.9		
MCNAIR X190	145.6			141.5	145.6		25.2	90.6	1.7		26.2	89.1	2.3		
FUNK'S G4737				140.2			25.7	91.1	0.0		23.7	87.0	6.3		
T-E 6968				140.1			23.2	91.1	0.0		23.1	85.4	21.5		
S S HYBRIDS JX-86	136.3			138.4	136.3		22.0	86.5	0.0		24.4	74.0	5.3		
STULL'S SX2744				138.2			25.0	93.8	3.3		23.1	94.3	1.1		
SUPER CROST 7772	132.4			136.1	132.4		23.7	89.6	1.1		23.3	94.8	1.7		
TROJAN TXS 113	130.7			135.8	130.7		22.6	91.1	1.2		23.5	85.9	0.0		
ASGROM RX 99A				135.1			25.0	85.4	1.8		21.4	87.5	1.2		
SO. STATES SS775	127.1			134.9	127.1		22.0	88.0	0.6		22.6	89.6	1.3		
HULTING X9880	124.2			134.3	124.2		25.0	87.0	5.3		21.1	82.8	2.5		
PRINCETON SX 630				133.4			23.6	90.1	0.0		23.1	85.4	14.5		
PIONEER BRAND 3161	140.3			132.2	140.3		22.3	91.7	2.2		23.2	76.6	12.5		
PIONEER BRAND 3368				131.0			24.1	80.2	4.6		21.8	85.4	3.7		
MIGRO M-7070	136.7			129.6	136.7		23.3	90.1	4.5		19.1	85.4	4.2		
BO-JAC X83	119.9			129.5	119.9		23.6	88.0	3.1		23.0	88.0	25.8		
B & B 10-3				128.9			24.7	90.6	0.0		23.8	83.3	7.4		
DEKALB XL728				128.0			22.3	92.2	0.0		25.0	90.1	9.3		
PRINCETON SX 850	130.9			127.9	130.9		22.2	90.1	0.6		23.6	87.2	4.5		
NORTHROP-KING PX74				127.3			24.8	84.4	6.1						
HULTING X980				126.9			22.7	90.6	7.0						
STULL'S SX2666				126.4			24.7	83.3	6.9						
B & B 11-7	124.6			126.6	124.6		20.9	89.6	2.8						
B & B 9-2	122.6			125.3	122.6		23.3	92.2	1.8						
TROJAN TXS 115A				124.7			24.0	83.3	1.2						
MIGRO M-7072	142.6			123.8	142.6		23.1	89.6	0.6						
A.C.C.O. UC 9301				123.5			23.4	88.5	1.7						
SUPER CROST 5440				121.2			25.5	91.1	14.5						
DEKALB XL78				118.1			25.1	79.7	5.0						
T-E 6969				117.7			22.9	90.1	4.1						
GOLDEN HARVEST H2655				117.2			19.6	89.6	1.7						
PIONEER BRAND 3535				116.7			25.4	81.3	8.4						
GOLDEN HARVEST H2750				116.7			22.9	93.2	0.5						
FUNK'S G4646				115.7			22.8	81.8	4.5						
FUNK'S G4770	112.9			115.3	112.9		21.4	79.7	5.7						
STEWART SX 68				114.6			22.0	81.3	6.2						
A.C.C.O. UC 8801				114.1			26.9	87.0	1.8						
GUTWEIN 88A				113.5			25.5	83.9	3.1						
MUNCY CHIEF SX878															
WHITE															
PRINCETON SX 910				141.1			26.6	93.2	2.3						
ZIMMERMAN Z11W				121.5			25.8	89.6	11.1						
PIONEER BRAND 511A				119.4			27.3	85.4	9.3						
DEKALB XL390W				115.9			27.6	91.7	5.3						
GOLDEN HARVEST H2660				112.7			25.9	78.1	6.4						
MCNAIR X233				111.7			25.8	90.1	6.9						
STULL'S WSP2799				110.2			25.5	89.6	9.9						
P-A-G SX 70W				109.6			27.4	87.0	13.9						
PRINCETON SP 935				102.8			24.9	87.5	11.4						
P-A-G 644W				102.8			26.3	83.9	6.6						
STULL'S WSX2788				102.7			25.3	79.7	31.8						
MASON 5550				95.0			26.8	88.5	11.7						
WHITE AVERAGE				112.1			26.3	87.0	10.5						
GRAND AVERAGE				119.8			24.0	87.2	5.4						

TABLE 8.—ANNUAL SUMMARY (1974), NORMAL POPULATION, NO-TILL, FRANKLIN, KY.

HYBRID	3-YR			2-YR			1974 RESULTS			1974 RESULTS			1974 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	% LOGGED	YIELD BU/AC	AVG % MOIST	STAND	% LOGGED	YIELD BU/AC	AVG % MOIST	STAND	% LOGGED	
YELLOW																			
GUTWEIN 86		181.4		177.1	23.6	80.7	0.5								118.7	25.1	72.4	0.0	
PIONEER BRAND 3369A	164.5	156.6		161.8	23.4	81.3	2.7								116.6	28.5	70.3	2.7	
TROJAN TXS 114				159.3	26.7	72.4	0.0								116.2	22.8	75.0	0.8	
FUNK'S G4770				158.8	27.9	90.6	0.5								115.9	25.1	64.6	1.2	
FUNK'S G4646		155.6		158.2	23.8	81.3	0.0								115.2	26.7	60.4	0.0	
ZIMMERMAN Z24Y	147.0	160.9		153.2	22.5	69.8	0.0								114.5	26.2	67.2	1.7	
MASON 8869				152.7	26.1	87.5	3.6								114.3	27.7	62.0	0.6	
DEKALB XL72B				151.2	24.2	81.8	2.6								113.9	28.3	65.6	0.9	
STULL'S SX2666				150.2	23.9	80.7	3.2								113.8	23.4	72.9	1.3	
STULL'S SX2744				148.6	26.1	79.2	2.4								113.7	25.0	75.5	1.7	
S S HYBRIDS JX-7101				144.2	24.8	79.7	2.1								112.3	23.5	69.8	1.8	
DEKALB XL80		151.1		143.7	27.6	74.5	1.6								111.7	26.0	60.9	0.8	
80-JAC X83		149.6		143.5	24.0	71.4	2.2								107.0	25.8	58.9	2.8	
GUTWEIN 88A	152.4			143.4	27.6	78.6	2.2								106.6	35.6	65.1	2.6	
FUNK'S G5666				142.6	25.9	76.6	1.9								106.2	25.1	71.4	1.1	
HULTING X980				142.0	26.4	85.9	3.0								100.1	23.0	74.5	1.2	
PRINCETON SX 850		147.1		140.2	25.7	80.7	4.6								98.4	27.1	62.0	0.0	
MIGRO M-7072		147.8		139.6	24.5	76.6	2.0								95.5	25.9	65.6	1.7	
PRINCETON SX 630				138.3	27.3	77.6	1.2								94.1	27.5	54.2	1.0	
SEFD KEM SKX-88A				136.9	25.0	77.1	0.0								90.2	23.3	48.4	0.7	
FUNK'S G4628		149.3		136.6	28.7	70.8	0.0								89.8	25.6	47.9	1.8	
TROJAN TXS 115A				135.9	25.3	74.0	1.8								88.8	26.6	46.4	1.8	
P-A-G SX 39		141.6		134.3	27.1	68.2	0.0								87.7	26.1	66.1	0.7	
T-E 6969	147.1			134.2	27.5	73.4	2.0								68.1	27.7	56.3	0.6	
DEKALB XL78				133.3	25.4	75.0	1.8								125.6	25.8	70.9	1.4	
NORTHROP-KING PX76				132.4	26.1	70.8	1.4												
ASGROW RX 99A				132.1	25.5	83.3	2.2												
SO. STATES SST15				129.6	25.2	82.8	3.8												
STULL'S SX2700				129.2	25.6	69.3	2.2								147.1	27.5	83.3	2.5	
NORTHROP-KING PX74				128.6	24.6	64.6	0.0								147.7	28.7	65.6	1.7	
TROJAN TXS 113				127.7	25.0	80.7	1.6								141.0	30.4	75.5	2.9	
MUNCY CHIEF SX878		126.4		127.7	25.6	69.8	2.1								148.0	28.2	81.3	4.3	
T-E 6968				126.5	26.3	58.9	0.0								138.6	26.9	64.1	3.3	
GOLDEN HARVEST H2655.				126.1	25.6	76.6	0.6								135.8	27.4	66.7	3.4	
SO. STATES SST75				125.6	25.6	68.2	2.9								133.6	27.4	66.7	3.4	
SUPER CROST 5440		140.8		124.3	25.2	69.3	0.0								137.9	30.9	62.0	2.8	
S S HYBRIDS JX-86		133.2		123.1	26.5	67.2	0.0								125.9	32.6	76.6	1.3	
GOLDEN HARVEST H2750				122.8	25.6	71.9	2.1								114.6	30.8	59.9	0.6	
DEKALB XL68				121.0	27.2	67.2	0.0								97.3	32.2	53.6	2.2	
SUPER CROST 7772		140.0		120.3	25.5	62.5	2.5								83.1	33.7	53.6	0.0	
B & B 10-3		129.6		120.2	26.1	67.7	1.3								129.7	30.1	68.2	2.2	
80-JAC X1A		142.1		120.1	27.3	65.6	0.7								136.7	26.4	70.5	1.5	
COKER 16				119.5	24.3	77.1	1.3												
MUNCY CHIEF 3X898		123.4		119.1	23.2	67.2	1.5												
WHITE																			
STULL'S WSX2788															162.2	27.5	83.3	2.5	
ZIMMERMAN Z11W															145.6	32.1	76.6	1.3	
GOLDEN HARVEST H2660															147.7	28.7	65.6	1.7	
P-A-G SX 70W															141.0	30.4	75.5	2.9	
PRINCETON SX 910															148.0	28.2	81.3	4.3	
MASON 5550															138.6	26.9	64.1	3.3	
STULL'S WSP2799															133.6	27.4	66.7	3.4	
PIONEER BRAND 511A															137.9	30.9	62.0	2.8	
MGNAIR X233															125.9	32.6	76.6	1.3	
DEKALB XL390W															114.6	30.8	59.9	0.6	
PRINCETON SP 935															97.3	32.2	53.6	2.2	
P-A-G 644W															83.1	33.7	53.6	0.0	
WHITE AVERAGE															129.7	30.1	68.2	2.2	
GRAND AVERAGE															136.7	26.4	70.5	1.5	

TABLE 9.—ANNUAL SUMMARY (1974), NORMAL POPULATION, NO-TILL, ELIZABETHTOWN, KY.

HYBRID	3-YR			2-YR			1974 RESULTS			1974 RESULTS				
	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	YIELD BU/ZAC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	YIELD BU/ZAC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW														
ZIMMERMAN Z24Y		158.7		184.0	23.7	90.1	3.7				143.2	27.5	88.5	0.0
PRINCETON SX 850		140.8		171.5	23.0	81.3	6.5				142.9	25.3	81.8	0.0
MIGRO M-7072	142.1	146.3		170.5	23.9	88.0	1.1				141.8	25.6	81.3	0.0
DEKALB XL80		143.7		170.1	24.3	87.0	0.0				141.5	22.4	67.7	2.0
BO-JAC X83		156.7		169.8	23.7	84.4	3.2				141.3	22.6	88.0	4.1
PIONEER BRAND 3369A		150.3		165.9	23.6	79.7	0.6				140.6	25.4	79.2	0.0
PIONEER BRAND 3368		136.2		165.4	23.6	76.0	0.0				140.1	26.1	77.1	0.0
ASGROW RX 115		143.9		164.6	25.0	85.9	0.6				139.3	24.3	81.8	0.0
SO. STATES SS775		143.0		162.6	24.4	89.6	0.0				138.6	25.3	78.6	0.0
S S HYBRIDS JX-86		143.2		162.1	23.9	83.3	4.4				136.5	22.5	82.3	0.6
STEWART SX 71K				161.9	23.1	82.3	0.0				136.5	25.2	77.1	5.6
PIONEER BRAND 3161				161.5	25.2	74.5	1.5				136.3	24.2	86.5	3.4
GUTWEIN 88A				161.2	25.1	87.5	3.5				135.0	25.8	77.1	0.0
STULL'S SX2700				159.5	24.9	80.5	0.6				134.7	24.8	82.3	2.3
A.C.C.O. UC 8801				158.4	23.1	82.3	6.4				134.0	23.2	79.7	1.8
GUTWEIN 86		149.8		158.1	23.3	85.4	0.0				133.5	24.0	76.6	2.0
P-A-G SX 39	140.6	142.8		157.5	24.9	70.8	0.8				130.8	23.6	77.1	0.6
MIGRO M-7070				156.9	25.1	85.4	1.2				126.1	22.0	69.8	0.0
DEKALB XL78				156.5	22.3	79.2	1.3				123.7	24.6	76.6	3.4
PIONEER BRAND 3535				156.2	24.6	81.8	0.0				121.9	23.6	76.0	0.0
SUPER CROST 7772		129.5		155.7	24.1	89.6	2.9				121.5	25.4	68.2	2.1
TROJAN TXS 114		133.2		155.4	24.4	84.4	1.1				113.1	23.4	70.8	0.0
HULTING X9880				154.4	24.1	82.9	2.4				95.9	25.7	60.9	0.0
MASON 8869				151.6	24.7	84.9	0.0							
NORTHROP-KING PX76				151.5	25.2	78.6	1.3				147.6	24.5	80.3	1.3
STULL'S SX2666				150.9	22.9	79.2	0.6							
GOLDEN HARVEST H2750				150.7	25.7	80.7	0.0				145.8	25.4	81.8	0.6
NORTHROP-KING PX77				150.3	29.1	85.9	1.9				140.5	24.7	84.9	0.6
FUNK'S G4770				149.4	25.3	84.4	0.0				136.3	26.6	83.3	0.0
COKER 56				149.3	24.3	75.5	0.0				130.9	26.7	82.3	4.4
COKER 16				149.0	23.9	75.5	0.0				136.0	26.7	82.3	4.4
SO. STATES SS840				148.4	23.8	74.0	0.7				137.4	27.4	77.1	6.4
BO-JAC X1A		128.5		148.3	24.2	75.5	2.7				136.1	25.3	91.7	0.0
P-A-G SX 17A				147.9	24.7	81.8	0.0				128.3	25.3	79.7	4.6
MUNCY CHIEF SX878				148.3	25.5	83.3	0.0				153.3	25.1	82.3	0.6
MCNAIR X190		135.8		147.6	25.4	79.2	0.7				152.8	24.7	91.7	0.5
T-E 6968				147.5	25.4	79.7	2.7				151.2	26.2	76.0	1.4
FUNK'S G5666				146.1	23.6	81.3	1.5				149.7	25.3	87.5	5.0
HULTING X980				146.1	24.9	80.2	0.0							
B & B 10-3		127.0		144.8	24.1	79.7	5.0				136.8	25.7	83.9	2.0
STULL'S SX2744				144.5	24.7	74.5	0.0				139.2	24.7	80.8	1.4
SEED KEM SKX-88A				144.3	24.7	74.5	5.0							
VORIS SEEDS V2662				143.6	23.2	85.9	0.6							
SO. STATES SS715				143.6	23.2	85.9	0.6							
WHITE														
DEKALB XL390W				175.2	25.4	81.8	0.6				175.2	25.4	81.8	0.6
MCNAIR X233				174.5	26.6	88.0	0.0				174.5	26.6	88.0	0.0
P-A-G SX 70W				170.3	24.7	84.9	0.6				170.3	24.7	84.9	0.6
PRINCETON SX 910				169.8	26.6	83.3	0.0				169.8	26.6	83.3	0.0
ZIMMERMAN Z11W				168.6	26.7	82.3	4.4				168.6	26.7	82.3	4.4
PIONEER BRAND 511A				166.9	27.4	77.1	6.4				166.9	27.4	77.1	6.4
PRINCETON SP 935				165.5	25.0	91.7	0.0				165.5	25.0	91.7	0.0
STULL'S WSX2788				157.7	25.3	79.7	4.6				157.7	25.3	79.7	4.6
MASON 5550				153.3	25.1	82.3	0.6				153.3	25.1	82.3	0.6
P-A-G 644W				152.8	24.7	91.7	0.5				152.8	24.7	91.7	0.5
GOLDEN HARVEST H2660				151.2	26.2	76.0	1.4				151.2	26.2	76.0	1.4
STULL'S WSP2799				149.7	25.3	87.5	5.0				149.7	25.3	87.5	5.0
WHITE AVERAGE				163.0	25.7	83.9	2.0				163.0	25.7	83.9	2.0
GRAND AVERAGE				149.9	24.7	80.8	1.4				149.9	24.7	80.8	1.4

TABLE 10.—ANNUAL SUMMARY (1974), NORMAL POPULATION, LEXINGTON, KY.

HYBRID	3-YR			2-YR			1974 RESULTS			1974 RESULTS						
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	% TOTAL LODGED	YIELD BU/AC	AVG % MOIST	AVG % STAND	% TOTAL LODGED		
YELLOW																
ZIMMERMAN Z24Y		185.0		201.0	95.3	5.6	25.0	95.3			158.1	25.7	95.3	1.6		
GUTWEIN 88A				188.6	94.8	1.7	28.8	94.8			158.0	27.7	88.5	1.7		
S S HYBRIDS JX-86		170.9		188.4	97.4	1.0	25.7	97.4			157.9	25.6	92.7	11.6		
DEKALB XL78				187.8	95.3	2.3	26.5	95.3			157.9	26.2	94.8	5.0		
PRINCETON SX 630				184.4	100.0	1.6	25.5	100.0			156.1	26.4	87.0	0.0		
SO-STATES SS775		164.4		181.1	92.7	2.8	25.5	92.7			155.0	29.0	83.9	7.1		
STULL'S SX2666				180.4	90.6	1.8	27.4	90.6			154.3	29.4	92.7	0.0		
NORTHRUP-KING PX76				178.9	95.8	2.6	25.3	95.8			154.0	27.1	93.8	6.1		
MUNCY CHIEF SX878				177.4	88.5	4.3	26.9	88.5			153.8	27.3	91.7	7.6		
T-E 6968				177.1	90.6	3.5	24.4	90.6			151.0	27.5	84.9	1.2		
DEKALB XL68				176.7	94.8	3.3	25.3	94.8			150.7	25.9	91.7	5.7		
80-JAC X83				176.4	92.2	0.0	25.3	92.2			150.2	25.3	92.2	3.4		
MIGRO M-7070				176.4	85.9	0.6	26.8	85.9			149.7	27.8	90.1	2.3		
GUTWEIN 86		167.9		174.2	91.1	1.7	25.9	91.1			149.5	24.3	84.4	0.0		
DEKALB XL80				171.8	86.5	3.7	28.5	86.5			148.3	24.8	81.8	13.5		
NORTHRUP-KING PX77				169.8	94.8	1.1	25.4	94.8			146.7	24.4	90.1	1.1		
80-JAC X1A				173.5	96.4	1.1	26.5	96.4			146.5	26.0	82.8	4.9		
GOLDEN HARVEST H2655				171.6	85.9	1.8	25.2	85.9			145.3	25.6	76.6	1.4		
MUNCY CHIEF 3X898				171.3	93.2	4.6	25.3	93.2			142.0	25.5	81.8	2.5		
PIONEER BRAND 3369A		165.6		170.2	81.8	1.7	25.3	81.8			139.1	27.7	88.0	4.2		
PIONEER BRAND 3535				169.5	95.8	0.2	23.3	95.8			136.6	31.9	84.4	1.9		
B & B 9-2		159.1		168.2	87.0	2.2	25.0	87.0			134.8	24.5	88.5	1.8		
HULTING X980				167.5	92.7	0.6	25.8	92.7			122.0	26.2	73.4	4.0		
P-A-G SX 39		150.9		167.5	91.7	11.0	27.0	91.7			110.5	27.9	75.0	0.0		
TRAJAN TXS 115A				167.0	91.1	3.8	23.9	91.1								
MASON 8869				166.6	91.7	4.5	26.2	91.7			158.0	26.1	90.1	3.2		
STEWART SX 68				166.6	89.6	2.2	25.3	89.6								
PRINCETON SX 850		158.5		166.0	92.7	6.5	25.5	92.7			195.2	31.6	96.4	2.2		
TRAJAN TXS 114				165.3	90.6	7.3	25.8	90.6			186.6	31.3	92.2	0.6		
PIONEER BRAND 3571		141.0		164.8	95.8	0.5	22.9	95.8			183.8	32.7	93.8	0.5		
MIGRO M-7072				164.8	90.6	1.6	26.4	90.6			182.5	29.1	91.7	0.6		
NORTHRUP-KING PX74				164.1	90.6	2.6	24.5	90.6			179.5	33.7	99.5	2.6		
T-E 6969				163.5	95.8	0.2	29.5	95.8			177.7	28.5	93.2	5.1		
S S HYBRIDS JX-7101				163.4	96.4	0.5	26.4	96.4			173.9	31.7	96.9	2.1		
ASGROW RX 99A				163.3	93.2	0.6	28.4	93.2			173.1	31.7	91.1	3.2		
SUPER CROST 5440				163.0	95.8	1.0	25.3	95.8			168.6	31.5	90.1	1.0		
A.C.C.O. UC 9301				162.1	88.5	17.3	25.7	88.5			165.6	28.3	97.4	3.7		
SUPER CROST 7772		157.9		162.0	90.1	3.8	25.8	90.1			165.4	30.9	92.7	2.8		
SEED KEM SKX-88A				161.0	94.3	1.1	25.4	94.3			158.9	32.6	93.2	3.4		
COKER 16				160.7	94.3	5.6	25.4	94.3								
STEWART SX 71K				160.6	94.3	2.2	24.9	94.3								
TRAJAN TXS 113		158.8		160.5	90.6	0.6	24.6	90.6			175.9	31.1	94.0	2.3		
PIONEER BRAND 3368		160.8		159.4	79.2	4.4	26.5	79.2			164.5	26.9	90.7	3.1		
B & B 11-7				158.6	85.4	4.2	27.2	85.4								
WHITE																
ZIMMERMAN Z11W				155.6							195.2	31.6	96.4	2.2		
PRINCETON SX 910											186.6	31.3	92.2	0.6		
GOLDEN HARVEST H2660											183.8	32.7	93.8	0.5		
PRINCETON SP 935											182.5	29.1	91.7	0.6		
MUNAIR X233											179.5	33.7	99.5	2.6		
STULL'S WSP2799											177.7	28.5	93.2	5.1		
PIONEER BRAND 511A											173.9	31.7	96.9	2.1		
P-A-G SX 70W											173.1	31.7	91.1	3.2		
DEKALB XL390W											168.6	31.5	90.1	1.0		
STULL'S WSX2788											165.6	28.3	97.4	3.7		
MASON 5550											165.4	30.9	92.7	2.8		
P-A-G 644W											158.9	32.6	93.2	3.4		
WHITE AVERAGE											120.5	151.0	175.9	31.1	94.0	2.3
GRAND AVERAGE											141.8	156.7	164.5	26.9	90.7	3.1

TABLE 11.—ANNUAL SUMMARY (1974), NORMAL POPULATION, QUICKSAND, KY.

HYBRID	3-YR			2-YR			1974 RESULTS			1974 RESULTS				
	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	YIELD BUZ/AC	AVG % MOIST	AVG % STAND	TOTAL LODGED	YIELD BUZ/AC	AVG % MOIST	AVG % STAND	TOTAL LODGED
YELLOW														
SUPER CROST 5440							185.4	18.3	84.9	0.6				
DEKALB XL78							176.6	20.2	95.3	9.2				
T-E 6968							171.2	19.0	91.1	14.2				
DEKALB XL72B							170.9	19.5	94.3	13.7				
PIONEER BRAND 3369A	169.5	173.9					170.2	19.7	85.4	30.6				
ZIMMERMAN 224Y		173.3					169.6	18.9	90.6	37.1				
NORTHROP-KING PX76							168.6	18.8	93.2	12.9				
TROJAN TXS 115A							166.9	20.2	90.1	7.6				
GUTWEIN 88A							165.0	20.2	93.8	15.0				
TROJAN TXS 114							165.0	21.6	90.1	7.1				
GOLDEN HARVEST H2655							164.5	19.4	89.6	10.0				
COKER 16							163.3	18.5	94.8	5.0				
PIONEER BRAND 3535							163.1	17.3	85.4	16.4				
P-A-G SX 17A							162.6	18.7	87.0	13.8				
PRINCETON SX 630							162.6	18.8	89.1	10.0				
STEWART SX 71K							162.4	18.3	93.2	19.8				
STULL'S SX2700							161.5	19.4	86.5	17.0				
SO-STATES S5775							158.1	19.3	83.3	4.6				
NORTHROP-KING PX77							157.8	19.0	92.7	27.5				
TROJAN TXS 113							156.2	19.8	87.0	6.3				
BO-JAC X83	154.0						156.4	19.9	87.0	12.4				
FUNK'S G4646	132.3						156.2	18.6	90.6	14.9				
PIONEER BRAND 3571	151.2						154.4	16.8	88.0	14.9				
A.C.C.O. UC 9301							154.2	19.6	85.4	48.6				
SUPER CROST 7772							154.0	19.6	91.1	33.6				
A.C.C.O. UC 8801							153.7	19.1	87.5	43.1				
PIONEER BRAND 3368	155.2						151.7	19.9	90.6	9.1				
MIGRO M-7072							148.7	20.1	90.1	20.1				
MUNCY CHIEF 3X898							147.2	19.4	87.0	51.3				
BO-JAC X1A							147.0	20.3	81.3	3.9				
PIONEER BRAND 3161							146.5	20.1	90.6	29.0				
GUTWEIN 86							146.1	18.6	85.9	7.7				
VORTS SEEDS V2632							145.6	18.1	84.9	11.7				
SEED KEM SKX-66							145.5	17.8	82.8	8.4				
DEKALB XL68							145.5	19.1	85.9	9.0				
MASON 8869							144.1	20.1	86.5	34.3				
S S HYBRIDS JX-86							142.5	20.4	91.1	33.0				
S S HYBRIDS JX-7101							141.9	18.5	82.3	6.4				
B & B 9-2							141.7	18.6	87.0	34.8				
DEKALB XL80							141.3	21.1	86.5	44.9				
STULL'S SX2666							139.8	19.3	87.5	27.1				
B & B 10-3							139.2	18.8	86.5	16.9				
COKER 56							137.0	22.1	82.3	26.6				
NORTHROP-KING PX74							136.3	20.6	85.4	13.4				
SO-STATES S840							136.3	19.7	84.4					
FUNK'S G4737							135.0	19.0	93.8	27.0				
P-A-G SX 39							134.5	19.9	83.9	36.4				
B & B 11-7							133.8	18.2	87.5	26.5				
SO-STATES S5715							133.8	18.6	85.9	23.5				
ASGROW RX 115							133.5	20.0	78.6	30.1				
FUNK'S G4770							133.4	18.7	89.1	39.3				
MCAIR X190							133.2	19.2	87.0	13.6				
T-E 6969							133.1	20.6	81.3	27.9				
ASGROW RX 99A							132.1	19.9	90.6	17.8				
STEWART SX 68							130.2	17.7	81.8	33.3				
SEED KEM SKX-88A							130.0	19.4	87.0	4.8				
PRINCETON SX 850							128.6	19.9	83.9	21.0				
HULTING X9880							127.9	19.8	85.4	15.2				
FUNK'S G5666							126.3	20.0	92.2	24.3				
STULL'S SX2744							126.0	19.8	85.4	34.4				
GOLDEN HARVEST H2750							125.7	20.8	80.2	18.8				
P-A-G SX 98							124.9	18.8	85.4	19.6				
VORTS SEEDS V2662							123.6	20.9	83.3	41.5				
HULTING X980							123.6	19.5	84.9	20.3				
FUNK'S G4628							122.9	19.8	88.5	8.9				
MIGRO M-7070							117.5	21.0	78.6	31.2				
MUNCY CHIEF SX878							116.2	21.1	85.9	55.0				
GOLDEN HARVEST H2690							115.9	19.7	80.7	16.4				
YELLOW AVERAGE	149.0	149.1	149.1	145.8	19.5	87.2								
WHITE														
ZIMMERMAN Z11W							176.2	22.0	94.3	11.0				
PRINCETON SX 910							168.6	23.0	92.2	19.9				
MCAIR X2333							161.6	22.5	94.8	12.1				
PIONEER BRAND 511A							152.4	21.4	90.1	44.3				
GOLDEN HARVEST H2660							143.2	22.8	87.0	13.9				
DEKALB XL390W							135.4	22.0	81.8	28.9				
PRINCETON SP 935							129.7	21.7	93.2	38.0				
P-A-G SX 70W							125.3	22.2	76.6	19.2				
STULL'S WSX2788							136.0	20.9	85.9	25.7				
MASON 5550							119.1	21.6	86.5	56.0				
P-A-G 644W							118.5	22.0	84.9	26.8				
STULL'S WSP2799							118.4	20.2	85.9	26.8				
WHITE AVERAGE	135.2	149.3	149.1	144.9	21.9	87.8								
GRAND AVERAGE	143.7	149.1	144.9	144.9	19.8	87.2								

TABLE 12.—ANNUAL SUMMARY (1974), NORMAL POPULATION, ALL NON-VIRUS LOCATIONS.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW									
TROJAN TXS 114	160.9	23.4	89.1	4.3	MUNCY CHIEF 3X898	136.1	22.0	79.9	11.5
ZIMMERMAN 224Y	159.9	22.1	86.4	8.7	FUNK'S G5666	134.7	23.4	85.6	7.8
PIONEER BRAND 3369A	157.6	22.4	83.9	6.6	FUNK'S G4737	134.7	24.3	84.2	6.3
80-JAC X83	153.9	22.5	85.4	4.2	NORTHUP-KING PX74	134.4	21.9	81.7	3.3
GUTWEIN 88A	152.5	24.7	89.5	6.7	A.C.C.O. UC 8801	134.3	22.2	80.3	11.5
DEKALB XL78	150.7	23.9	87.6	7.3	COKER 16	133.6	22.5	84.8	4.9
SO. STATES SS775	149.5	22.5	84.8	2.7	T-E 6969	133.3	24.6	82.2	8.1
T-E 6968	149.5	23.0	82.7	3.3	ASGROW RX 115	132.6	23.8	81.3	7.5
NORTHUP-KING PX76	149.1	22.6	87.5	5.1	P-A-G SX 98	131.8	24.0	79.8	4.8
DEKALB XL80	148.3	24.3	84.8	9.1	A.C.C.O. UC 9301	131.8	22.9	80.4	12.8
TROJAN TXS 115A	147.4	22.0	86.3	3.5	HULTING X9880	131.6	23.7	81.7	6.8
S S HYBRIDS JX-86	146.5	22.8	85.0	7.0	8 & B 9-2	131.4	21.9	84.2	9.5
MIGRO M-7072	146.1	23.2	85.8	4.9	8 & B 11-7	130.8	23.8	81.3	7.5
PRINCETON SX 630	146.1	23.3	86.8	3.7	GOLDEN HARVEST H2750	129.8	25.0	80.1	7.7
DEKALB XL72B	145.9	22.7	87.7	3.6	COKER 56	129.4	28.6	82.4	7.4
GUTWEIN 86	145.7	22.3	85.7	5.0	PIONEER BRAND 3571	129.0	20.2	79.9	4.8
PIONEER BRAND 3368	144.8	23.0	84.2	3.4	SO. STATES SS715	127.6	21.5	85.4	7.0
80-JAC X1A	144.2	23.5	80.6	3.0	SEED KEM SKX-88A	127.2	22.8	84.6	3.3
STULL'S SX2666	144.0	22.9	83.9	6.8	SEED KEM SKX-66	126.7	21.6	79.5	3.3
PIONEER BRAND 3161	143.7	23.4	82.6	6.2	STEWART SX 68	124.9	21.4	78.8	7.7
PRINCETON SX 850	143.5	22.5	86.8	7.2	VORIS SEEDS V2632	123.6	21.5	81.8	4.9
GOLDEN HARVEST H2655	142.9	22.5	83.7	4.0	VORIS SEEDS V2662	118.2	23.8	75.8	12.1
SUPER CROST 7772	142.9	22.7	84.0	7.1	SO. STATES SS840	117.6	22.9	72.7	8.0
STEWART SX 71K	142.8	22.2	84.6	5.9	GOLDEN HARVEST H2690	95.4	24.3	69.9	5.2
S S HYBRIDS JX-7101	142.2	22.7	87.1	2.4	YELLOW AVERAGE	138.6	23.1	83.4	6.4
MASON 8869	142.1	23.8	87.0	9.1	WHITE				
SUPER CROST 5440	142.0	22.3	83.1	2.1	ZIMMERMAN Z11W	159.0	26.5	88.2	6.1
STULL'S SX2700	141.7	23.1	85.2	6.3	PRINCETON SX 910	155.9	25.9	87.1	6.6
FUNK'S G4646	141.3	22.6	84.2	5.3	MCNAIR X233	152.0	26.7	90.0	4.9
STULL'S SX2744	141.1	23.9	84.8	8.5	GOLDEN HARVEST H2660	147.4	25.9	80.7	4.5
FUNK'S G4628	140.9	24.1	86.8	4.5	PIONEER BRAND 511A	142.7	26.5	83.9	14.6
MCNAIR X190	140.6	24.2	86.7	5.4	P-A-G SX 70W	141.3	26.3	82.1	7.8
TROJAN TXS 113	140.6	22.3	86.5	3.0	DEKALB XL390W	138.9	26.4	82.7	8.2
MUNCY CHIEF SX878	139.9	24.1	82.3	12.3	STULL'S WSP2799	138.8	24.5	84.8	10.1
PIONEER BRAND 3535	138.1	20.3	84.3	3.7	STULL'S MSX2788	135.8	24.9	85.1	11.4
HULTING X980	137.6	23.8	84.1	6.5	PRINCETON SP 935	135.5	25.2	83.7	9.8
B & B 10-3	137.5	22.7	82.5	5.0	MASON 5550	131.2	25.1	83.3	13.0
DEKALB XL68	137.4	22.4	84.5	7.9	P-A-G 644W	125.7	26.4	81.2	8.5
ASGROW RX 99A	137.4	24.4	87.2	5.0	WHITE AVERAGE	142.0	25.9	84.4	8.8
P-A-G SX 17A	137.3	22.6	82.4	8.4	GRAND AVERAGE	139.1	23.5	83.6	6.7
NORTHUP-KING PX77	136.5	22.1	85.4	6.6					
P-A-G SX 39	136.5	24.0	78.6	9.6					
FUNK'S G4770	136.3	24.1	87.2	9.6					
MIGRO M-7070	136.3	24.0	76.2	7.6					

TABLE 13.—TWO-YEAR SUMMARY (1973-74), NORMAL POPULATION, ALL NON-VIRUS LOCATIONS.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
ZIMMERMAN Z24Y	158.3	20.8	88.1	6.2
PIONEER BRAND 3369A	154.4	21.0	84.3	4.4
BO-JAC X83	152.7	21.2	86.7	4.9
MIGRO M-7072	149.8	21.7	87.1	4.4
DEKALB XL80	149.7	23.2	85.9	6.4
S S HYBRIDS JX-86	145.2	21.4	83.4	5.7
MCNAIR X190	143.6	23.2	86.0	3.6
PIONEER BRAND 3368	143.5	21.7	82.3	2.7
GUTWEIN 86	143.4	20.9	85.0	4.0
SO.STATES SS775	142.8	21.6	84.4	2.3
BO-JAC X1A	142.6	21.7	81.6	3.8
PRINCETON SX 850	142.1	21.2	85.9	4.8
SUPER CROST 7772	141.9	21.6	86.2	5.3
FUNK'S G4628	140.7	23.1	86.4	3.4
ASGROW RX 115	138.8	22.7	83.9	6.1
P-A-G SX 39	138.2	23.0	80.0	6.1
TROJAN TXS 113	136.8	21.4	84.4	2.8
NORTHRUP-KING PX77	136.6	20.8	86.2	4.2
FUNK'S G4646	136.4	22.0	83.3	4.6
P-A-G SX 98	136.3	23.0	82.5	3.8
B & B 10-3	133.7	21.6	84.4	4.4
B & B 11-7	133.4	22.6	83.0	6.5
MUNCY CHIEF 3X898	132.4	21.7	79.7	7.9
HULTING X9880	132.0	22.8	83.5	5.9
B & B 9-2	131.6	20.9	85.6	6.2
PIONEER BRAND 3571	131.0	18.7	83.0	3.1
YELLOW AVERAGE				
	141.1	21.7	84.3	4.8
WHITE				
ZIMMERMAN Z11W	143.6	25.8	75.5	4.1
PIONEER BRAND 511A	139.6	24.7	84.3	11.1
P-A-G SX 70W	137.1	24.9	83.9	8.0
DEKALB XL390W	135.8	24.5	85.2	6.5
STULL'S WSX2788	131.3	23.9	86.0	12.6
P-A-G 644W	130.4	24.3	84.5	6.3
WHITE AVERAGE				
	136.3	24.7	83.2	8.1
GRAND AVERAGE				
	140.2	22.3	84.1	5.4

TABLE 14.—THREE-YEAR SUMMARY (1972-74), NORMAL POPULATION, ALL NON-VIRUS LOCATIONS.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
PIONEER BRAND 3369A	154.7	20.5	85.5	7.5
BO-JAC X83	152.3	20.6	85.6	7.0
PIONEER BRAND 3368	143.4	21.1	83.5	6.2
PRINCETON SX 850	141.7	20.6	86.7	8.6
P-A-G SX 39	137.7	22.2	79.4	8.6
ASGROW RX 115	136.9	21.8	84.4	12.6
FUNK'S G4646	131.7	21.1	82.0	6.5
PIONEER BRAND 3571	130.3	18.8	83.9	4.0
YELLOW AVERAGE	141.1	20.8	83.9	7.6
WHITE				
P-A-G SX 70W	138.1	23.8	83.9	13.0
DEKALB XL390W	136.0	23.4	84.4	12.6
PIONEER BRAND 511A	135.4	23.7	84.4	17.3
STULL'S WSX2788	133.9	23.4	85.7	16.5
P-A-G 644W	130.5	23.2	83.9	12.3
WHITE AVERAGE	134.8	23.5	84.5	14.4
GRAND AVERAGE	138.7	21.9	84.1	10.2

TABLE 16.—ANNUAL SUMMARY (1974), HIGH POPULATION, LEXINGTON, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	YIELD BU/AC	1974 RESULTS			TOTAL LODGED	HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	YIELD BU/AC	1974 RESULTS			TOTAL LODGED	
				AVG % MOIST	STAND	AVG % MOIST						STAND	AVG % MOIST	STAND		AVG % MOIST
YELLOW																
NORTHROP-KING PX76		185.5	198.5	24.9	95.5	2.4	DEKALB XL68				164.0	24.7	95.5	7.4		
TRJAN TXS 114		175.7	195.3	26.8	94.3	1.2	PIONEER BRAND 3161				163.6	26.9	89.8	7.0		
MIGRO M-6666		175.5	187.7	24.8	93.6	6.4	MCNAIR X194				163.4	24.8	86.4	4.2		
BO-JAC X7L		159.7	185.9	26.6	97.3	14.8	PIONEER BRAND 3535		151.9		161.0	22.8	91.3	2.4		
GUTWEIN 64			184.9	26.4	93.2	9.4	FUNK'S G4646		160.2		157.9	25.8	87.1	5.8		
KENTUCKY 105			183.8	30.0	93.2	15.3	SUPER CROST 7772				157.3	25.4	94.3	8.1		
SUPER CROST S67			181.0	24.5	97.0	3.9	HULTING X980				156.5	25.8	85.2	18.2		
GUTWEIN 65A			178.8	24.0	96.2	11.0	SO-STATES S5775				155.3	24.9	90.9	2.9		
S S HYBRIDS JX-7101			176.6	24.9	93.2	3.7	FUNK'S G4737				152.4	27.1	90.2	15.3		
DEKALB XL78			174.6	27.2	92.4	2.9	SEED KEM SKX-66				151.9	26.2	93.9	10.9		
MCNAIR X190		160.9	174.6	25.9	95.8	8.6	STEWART SX 58				149.5	24.0	93.2	15.9		
MIGRO M-7072	164.3	168.0	172.7	25.4	85.6	3.6	HULTING X770		156.7	163.8	151.6	24.0	93.2	15.9		
BO-JAC X7L-10			172.6	27.1	93.9	6.4	DEKALB XL72B				149.5	25.9	93.2	7.3		
TRJAN TXS 115A			172.4	24.4	90.2	2.1	HULTING X9880				146.6	27.1	91.3	17.3		
MCNAIR X170			172.2	23.8	97.0	5.4	MUNCY CHIEF H764				143.6	25.5	95.5	7.0		
BO-JAC X62		168.8	172.1	24.7	93.9	1.2	SO-STATES S5750				142.1	24.7	97.3	6.7		
COKER 16			171.8	25.3	97.7	3.5	MIGRO M-5045		147.1		135.4	23.8	82.6	3.6		
MIGRO M-7070		176.8	170.5	26.9	82.6	1.4	NORTHROP-KING PX74				133.2	25.5	93.2	2.4		
S S HYBRIDS JX-86			170.4	26.1	93.6	7.3	HULTING X9861				128.9	23.0	90.9	16.1		
NORTHROP-KING PX77			169.2	25.9	94.3	8.9	YELLOW AVERAGE		157.4	163.0	165.3	25.2	92.2	6.9		
TRJAN TXS 113	169.6	177.2	168.5	24.4	91.7	6.5	WHITE									
VORIS SEEDS V2502		159.8	168.1	24.8	94.3	2.5	MCNAIR X233				165.0	32.9	99.6	7.6		
NORTHROP-KING PX79			167.4	23.4	94.3	2.0	WHITE AVERAGE				165.0	32.9	99.6	7.6		
VORIS SEEDS V2562		170.9	166.0	24.3	86.4	4.2	GRAND AVERAGE		157.4	162.9	165.3	25.4	92.3	6.9		
PIONEER BRAND 3571	152.5	158.6	164.9	21.9	89.4	1.7										
MUNCY CHIEF SX662	156.4	165.4	164.7	24.0	93.9	13.1										
STEWART SX 71K			164.2	24.3	94.3	7.8										

TABLE 17.—ANNUAL SUMMARY (1974), HIGH POPULATION, PRINCETON AND LEXINGTON, KY

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL LODGE	HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL LODGED
YELLOW					MCNAIR X194	133.6	22.9	83.5	10.7
TROJAN TXS 114	159.0	25.0	87.9	12.6	SUPER CROST 7772	133.6	23.5	87.3	12.5
DEKALB XL78	153.9	25.4	89.4	12.4	STEWART SX 71K	133.0	22.6	88.3	14.0
80-JAC X7L	151.5	25.2	91.1	15.2	DEKALB XL72B	132.7	23.6	86.0	10.1
NORTHROP-KING PX76	150.2	23.2	86.6	9.5	HULTING X980	132.0	24.8	83.5	19.3
MIGRO M-6666	146.5	23.9	84.1	7.7	DEKALB XL68	131.7	22.7	88.4	22.2
GUTWEIN 64	145.0	23.7	86.4	14.9	MIGRO M-7070	131.3	25.0	76.3	13.2
SUPER CROST S67	144.7	23.1	93.4	9.5	FUNK'S G4737	130.4	24.9	84.3	17.3
S S HYBRIDS JX-7101	144.6	22.5	88.3	11.2	PIONEER BRAND 3161	130.3	24.6	82.2	10.7
TROJAN TXS 115A	144.2	22.5	85.2	9.4	NORTHROP-KING PX77	129.9	22.2	84.5	8.4
S S HYBRIDS JX-86	143.6	23.4	86.2	14.9	FUNK'S G4646	126.3	24.0	83.3	12.8
MIGRO M-7072	141.9	23.6	84.1	17.5	HULTING X770	125.2	21.9	86.7	23.8
80-JAC X62	141.4	23.0	89.2	8.3	SEED KEM SKX-66	125.2	21.8	81.6	9.3
80-JAC X7L-10	141.1	25.2	85.0	11.9	HULTING X9880	121.2	25.3	85.0	20.5
SO-STATES SS775	140.1	23.3	90.7	6.7	STEWART SX 58	119.4	24.2	84.3	21.3
GUTWEIN 65A	139.8	22.9	89.2	15.6	MUNCY CHIEF H764	118.6	22.6	87.3	21.0
COKER 16	139.7	23.1	88.1	10.8	NORTHROP-KING PX74	116.4	23.2	82.4	9.6
PIONEER BRAND 3571	139.4	20.5	86.2	10.0	SO-STATES SS750	116.3	23.2	91.9	15.1
KENTUCKY 105	139.2	26.0	90.5	27.0	MIGRO M-5045	113.1	22.2	79.4	8.1
NORTHROP-KING PX79	139.1	23.2	84.3	13.4	HULTING X9861	106.2	21.4	85.0	24.9
MCNAIR X170	137.5	22.1	88.4	10.3	YELLOW AVERAGE	134.9	23.3	86.3	13.6
VORIS SEEDS V2502	137.3	21.4	90.3	7.1	WHITE				
MCNAIR X190	136.5	24.5	90.3	16.0	MCNAIR X233	129.6	29.1	92.6	15.9
TROJAN TXS 113	136.3	22.5	88.1	9.7	WHITE AVERAGE	129.6	29.1	92.6	15.9
VORIS SEEDS V2562	135.7	23.2	83.1	11.0	GRAND AVERAGE	134.7	23.5	86.5	13.7
MUNCY CHIEF SX662	135.6	23.1	87.1	16.9					
SUPER CROST S85	134.4	24.4	88.8	10.8					
PIONEER BRAND 3535	133.8	20.7	85.0	15.3					

TABLE 18.—TWO-YEAR SUMMARY (1973-74), HIGH POPULATION, PRINCETON AND LEXINGTON, KY.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
BO-JAC X7L	151.3	23.0	88.9	15.2
NORTHRUP-KING PX76	149.6	20.6	85.7	13.7
MIGRO M-6666	146.9	21.0	85.1	18.5
TROJAN TXS 113	145.6	20.5	86.3	13.0
BO-JAC X62	145.3	20.2	88.0	14.4
MIGRO M-7072	144.1	21.2	84.5	24.0
MIGRO M-7070	142.5	22.7	80.9	21.9
MCNAIR X190	142.3	22.6	86.8	18.7
NORTHRUP-KING* PX74	141.7	20.7	83.6	8.3
VORIS SEEDS V2562	141.5	20.8	81.3	19.4
PIONEER BRAND 3571	138.1	18.8	85.8	8.3
VORIS SEEDS V2502	137.8	19.5	87.4	11.0
MUNCY CHIEF SX662	136.8	21.0	85.7	15.3
FUNK'S G4646	136.6	22.2	84.0	14.7
HULTING X770	135.0	19.1	85.1	23.6
PIONEER BRAND 3535	134.5	18.8	85.3	14.1
KENTUCKY 105	131.3	23.7	87.0	30.4
SO.STATES SS750	129.6	21.1	90.7	18.4
HULTING X9880	129.2	23.2	85.3	21.7
MIGRO M-5045	128.0	19.9	80.3	7.4
MUNCY CHIEF H764	117.8	21.1	78.2	24.4
<u>YELLOW AVERAGE</u>	<u>138.4</u>	<u>21.0</u>	<u>85.1</u>	<u>17.0</u>
WHITE				
MCNAIR X233	134.3	26.2	76.6	14.3
<u>WHITE AVERAGE</u>	<u>134.3</u>	<u>26.2</u>	<u>76.6</u>	<u>14.3</u>
<u>GRAND AVERAGE</u>	<u>138.2</u>	<u>21.3</u>	<u>84.7</u>	<u>16.8</u>

TABLE 19.—THREE-YEAR SUMMARY (1972-74), HIGH POPULATION, PRINCETON AND LEXINGTON, KY.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
TROJAN TXS 113	145.7	19.8	87.7	13.8
MIGRO M-7072	144.9	20.2	86.6	23.2
FUNK'S G4646	136.8	21.1	85.0	14.7
PIONEER BRAND 3571	135.6	19.0	86.1	8.9
MUNCY CHIEF SX662	133.9	20.5	87.9	15.9
HULTING X770	133.9	19.0	86.2	26.0
MIGRO M-5045	132.5	19.2	81.7	12.4
<u>YELLOW AVERAGE</u>	<u>137.6</u>	<u>19.8</u>	<u>85.9</u>	<u>16.4</u>

TABLE 20.—ANNUAL SUMMARY (1974), VIRUS TEST, RUSSELLVILLE, KY.

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						YELLOW					
STULL'S SX2700	6.0	78.2	23.8	80.2	11.2	FUNK'S G4810	2.0	105.2	26.5	90.6	1.8
BO-JAC 8371	4.7	90.1	22.4	87.5	19.0	PIONEER BRAND 3179	1.7	112.7	24.3	82.8	5.7
HOLDENS 1048	4.3	93.2	22.7	80.2	8.0	FUNK'S G4762	1.7	98.5	28.0	75.5	1.7
BO-JAC X83	3.7	98.6	23.1	84.9	9.2	FUNK'S EXP 25601	1.7	105.7	20.9	89.6	1.2
ZIMMERMAN Z24Y	3.7	100.9	22.9	94.3	3.4	HULTING EXP 73649	1.7	86.6	23.4	87.0	9.2
MCNAIR 73002	3.7	104.6	26.5	92.2	12.3	NORTHROP-KING PX91	1.7	131.6	24.1	89.6	1.8
PRINCETON 865	3.7	102.8	24.1	90.6	14.4	NORTHROP-KING PX737	1.7	112.5	26.8	91.1	2.9
GOLDEN HARVEST H2750	3.3	99.6	26.8	84.9	6.7	TROJAN X 142	1.7	96.1	23.4	92.7	2.2
HOLDENS 1026	3.3	112.2	30.9	84.9	1.3	TROJAN X 2722	1.3	108.1	26.8	80.2	7.2
HULTING X8775	3.0	79.6	20.9	84.9	6.4	VORIS SEEDS V2632	1.3	106.8	22.9	83.9	3.0
BO-JAC X7L	3.0	105.3	23.1	85.4	5.0	PIONEER BRAND 3145	1.3	118.0	26.6	90.6	2.8
PRINCETON MD 885	3.0	88.1	23.7	81.3	8.8	PIONEER BRAND 3147	1.0	140.2	26.7	71.9	0.0
SO-STATES S5866	2.7	68.4	24.4	75.5	13.7	P-A-G SX 17A	1.0	128.0	23.5	87.0	4.1
ASGROW RX 115	2.7	103.2	23.5	89.6	2.9	FUNK'S EXP 26550	1.0	77.9	24.6	90.1	2.3
HULTING X770	2.7	82.8	21.4	66.1	10.2	MASON 9997	1.0	101.1	26.8	82.8	5.0
MCNAIR X300	2.7	122.4	26.4	84.4	1.2	MIGRO M-600	1.0	124.2	22.8	81.3	6.3
GOLDEN HARVEST H2626	2.7	103.7	24.0	86.5	3.4	YELLOW AVERAGE	2.4	101.1	24.8	85.0	5.9
SUPER CROST 70DR	2.7	85.3	19.9	89.6	4.8	WHITE					
T-E VR-20-Y	2.3	71.4	23.6	83.3	6.9	ASGROW RX 123W	3.3	74.5	27.9	72.9	4.4
MCNAIR S338	2.3	115.3	25.5	90.6	3.9	KENTUCKY 5921M	2.7	93.0	24.3	78.1	5.6
TROJAN X 3524	2.3	97.2	24.8	90.6	1.1	ASGROW RX 125W	2.0	96.1	26.7	82.8	7.6
KENTUCKY 105	2.0	96.6	25.2	92.2	4.5	ZIMMERMAN Z11W	1.3	98.1	27.5	92.7	2.3
STULL'S SP2825	2.0	103.9	26.4	84.4	12.3	ZIMMERMAN Z52M	1.3	118.0	26.7	86.5	4.2
COKER 56	2.0	80.9	29.8	72.9	10.8	PRINCETON SX 910	1.0	112.2	26.5	94.3	1.7
HOLDENS 1028	2.0	107.8	28.7	86.5	3.2	WHITE AVERAGE	1.9	98.7	26.6	84.5	4.3
DEKALB XL72B	2.0	108.2	24.7	81.3	4.6	GRAND AVERAGE	2.3	100.8	25.0	85.0	5.7
GOLDEN HARVEST H2831	2.0	92.2	27.7	85.4	8.3						

TABLE 21.—TWO-YEAR SUMMARY (1973-74), VIRUS TEST, RUSSELLVILLE, KY.

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
BO-JAC 8371	3.1	74.0	21.3	87.5	11.3
SO.STATES SS866	2.8	52.6	22.6	73.2	14.7
T-E VR-20-Y	2.8	54.3	23.0	83.1	4.0
BO-JAC X83	2.8	86.8	20.9	86.5	7.5
ASGROW RX 115	2.7	74.3	22.1	88.3	3.6
ZIMMERMAN Z24Y	2.7	85.0	21.7	89.8	2.3
HULTING X770	2.5	70.8	19.1	74.5	15.1
STULL'S SP2825	2.5	74.5	25.6	79.9	6.1
KENTUCKY 105	2.3	65.7	24.0	86.7	3.0
HULTING X8775	2.3	62.1	19.1	84.6	5.0
COKER 56	2.3	65.7	26.6	75.0	8.5
TROJAN X 3524	2.3	81.2	22.1	88.0	4.8
BO-JAC X7L	2.3	78.2	22.6	88.5	4.5
MCNAIR X300	2.2	96.5	24.1	87.8	1.4
PIONEER BRAND 3179	1.8	86.7	22.9	79.9	3.9
FUNK'S G4762	1.8	86.2	25.1	83.6	4.6
TROJAN X 2722	1.8	81.9	26.1	82.6	6.5
HOLDENS 1028	1.7	82.8	23.6	84.4	5.4
PIONEER BRAND 3147	1.3	97.1	25.5	77.9	2.3
P-A-G SX 17A	1.3	87.1	22.3	87.0	2.1
VORIS SEEDS V2632	1.3	86.9	20.0	88.5	2.9
YELLOW AVERAGE	2.2	77.6	22.9	83.7	5.7
WHITE					
KENTUCKY 5921W	3.1	58.4	24.1	79.9	3.5
ZIMMERMAN Z11W	1.7	69.9	26.4	74.2	1.2
WHITE AVERAGE	2.4	64.2	25.2	77.1	2.3
GRAND AVERAGE	2.2	76.5	23.1	83.1	5.4

TABLE 22.—THREE-YEAR SUMMARY (1972-74), VIRUS TEST, RUSSELLVILLE, KY.

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
KENTUCKY 105	3.9	54.9	22.9	79.0	20.0
MCNAIR X300	3.6	85.2	23.6	83.9	26.0
SO.STATES SS866	3.1	65.0	22.2	73.8	18.8
T-E VR-20-Y	2.9	66.7	22.4	78.6	7.6
STULL'S SP2825	2.8	83.3	24.2	83.9	18.5
PIONEER BRAND 3147	1.8	94.1	24.2	71.7	4.1
PIONEER BRAND 3179	1.7	97.8	22.6	82.8	15.8
P-A-G SX 17A	1.3	98.0	22.0	86.1	10.0
YELLOW AVERAGE	2.6	80.6	23.0	80.0	15.1
WHITE					
KENTUCKY 5921W	4.4	55.3	22.9	80.7	14.6
WHITE AVERAGE	4.4	55.3	22.9	80.7	14.6
GRAND AVERAGE	2.8	77.8	23.0	80.1	15.0

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