



**KENTUCKY
HYBRID CORN
PERFORMANCE
TEST — 1977**

C. G. PONELEIT and K. O. EVANS
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Agricultural Experiment Station
Department of Agronomy
Lexington

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LOCATIONS OF THE 1977 KENTUCKY HYBRID CORN PERFORMANCE TEST



(Locations identified in Table 2.)

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Kentucky Hybrid Corn Performance Test 1977

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 1977 data are presented for the normal population test at each location. Two-year and three-year averages for yield are included in each of the single-location tables. Readers are encouraged to consider these multiple year averages and the averages over locations (Tables 9, 10, and 11) 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

The hybrids chosen for testing are those most likely to be available for sale in 1978. Seed of each commercial hybrid (Table 1) was obtained from dealer stocks in Kentucky whenever possible.

Those hybrids grown in the corn virus test and high population tests are indicated in column 2 of Table 1. The hybrid corn companies were asked to nominate those hybrids known to have

virus resistance for inclusion in the virus test. Hybrids grown in the high population early hybrid tests were also suggested by the parent company.

LOCATION OF TESTS

The map on page 3 shows the location for each test. The Lexington and Princeton locations had normal, high population and early hybrid tests, while all other locations had only the normal population. Data from the high population and early hybrid tests at Lexington and the normal population test at Quicksand are not available at this time and will be presented in a separate publication at a later date. The Henderson and Hodgenville sites are specifically chosen for the presence of corn virus.

CULTURAL PRACTICES

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

EXPERIMENTAL DESIGN

Uncontrollable variability of soil types, fertility, and other factors was sampled by using three replications of a lattice design. Yields presented in Tables 3 through 15 are adjusted for block and replication differences when shown applicable by statistical analyses.

The high population and early hybrid tests were planted as four replications of an 8 X 8 lattice and RCB, respectively, in which plant densities were confounded with replications. These tests were designed to evaluate a new testing procedure that should provide more detailed information on hybrid responses to increased plant population. Since these tests are new and are being

evaluated for usefulness in hybrid testing, only a portion of the results is presented. For the high population tests an estimate of the yields at 23,000 plants per acre, which is equally precise as previous years' high population tests, is presented in Table 12. The early hybrid data, Table 13, are averages over the four plant densities (27,500 plants per acre).

PLANTING

All plots were planted with a two-row, no-till planter modified for small plot work. The planter boxes were replaced by special planting cones which allowed planting of a specified number of kernels per plot. Each plot consisted of two rows 38 inches apart and 22 feet long. Each normal population, conventional tillage test was planted at the rate of 22,000 kernels per acre, each normal population, no-till test was planted at 25,000 kernels per acre. Final stands were expected to be between 19,000 and 20,000 plants per acre if average stand losses occurred. The high population and early hybrid tests were planted at rates of 20,000, 25,000, 30,000 and 35,000 kernels per acre.

HARVESTING

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

CORN VIRUS

Two corn virus diseases occur in Kentucky: maize dwarf mosaic virus (MDM) and maize chlorotic dwarf virus (MCD). Both overwinter in Johnsongrass and are usually present as a virus complex. Preliminary laboratory tests of Johnsongrass rhizomes indicated the presence of MDM and MCD at the Henderson location and MCD at the Hodgenville location. During the growing

season, symptoms of MDM and MCD appeared on plants at the Henderson location but no virus symptoms were observed on plants at the Hodgenville location.

Visual ratings of virus symptoms were made at the Henderson location and are included with yield and other data in Table 14. Even though the virus did little apparent damage to the hybrids at the Hodgenville location the yield data are presented in Table 15 and may be used to compare the yield potential of these potentially virus-resistant hybrids under non-virus conditions. The virus ratings in Table 14 were made as follows:

- 0 - No visual virus symptoms
- 1 - Up to 10% of the plants exhibited some virus symptoms
- 2 - 10-50% of the plants exhibited some virus symptoms
- 3 - More than 50% of the plants exhibited some virus symptoms

Three virus-susceptible check hybrids were included in the virus tests. Their performance data are listed in Tables 14 and 15 as Susceptible Checks.

TABLE 1.—HYBRIDS TESTED IN 1977

HYBRID		TEST*	COLOR	CROSS**	SOURCE OF HYBRID
A.C.C.O.	UC 8951	ABC	Yellow	2X	ACCO Seed, Div. of Anderson, Clayton & Co. P.O. Box 9 Belmond, Ia 50421
	UC 9792	AC	Yellow	2X	
	UC 9451	B	Yellow	2X	
Adlers	62X	AB	Yellow	2X	Adlers Seeds Inc. Route # 1 Sharpsville, Ind.46068
	87X	A	Yellow	2X	
Asgrow	RX 90	A	Yellow	2X	Asgrow Seed Co. P.O. Box 1059 9001 Hickman Rd. Des Moines, Ia 50053
	RX 100	B	Yellow	2X	
	RX 101	A	Yellow	3X	
	RX 115A	C	Yellow	2X	
Bo-Jac	X7L	R	Yellow	2X	Bo-Jac Hybrid Corn Co. R.R. # 2 Mount Pulaski, Ill.62548
	X56	AB	Yellow	2X	
	X57	B	Yellow	2X	
	X83	AC	Yellow	2X	
	X56B	A	Yellow	2X(Mod)	
	X622A	B	Yellow	2X	
	X923	AC	Yellow	3X	
	X69	C	Yellow	2X	
Coker	16	AB	Yellow	2X(Mod)	Coker's Pedigreed Seed Co. P.O. Box 340 Hartsville, SC 29550
	18	A	Yellow	2X	
	22	A	Yellow	3X	
Colbert	310	A	Yellow	2X	Colbert Farms R.R. # 2 Washington, Ind. 47501
	315	A	Yellow	2X	

(continued)

TABLE 1 (continued)

HYBRID	TEST*	COLOR	CROSS*	SOURCE OF HYBRID
DeKalb	XL 65A	B	Yellow	2X(Mod) DeKalb Ag. Research
	XL 72AA	AB	Yellow	2X
	XL 72B	ABC	Yellow	2X DeKalb, Ill.60015
	XL 75A	A	Yellow	2X(Mod)
	XL 78	AB	Yellow	2X
	XL 80	A	Yellow	2X
	XL 390A	A	White	3X
	XL 394	C	Yellow	3X
Dennis	DS 31	A	Yellow	2X Dennis Hybrid Corp.
	DS 37	A	Yellow	2X P.O. Box 487
	DS 69	A	Yellow	2X Windfall, Ind. 46076
Funk's	G-4507	AB	Yellow	2X Funk's Seeds Internat'l
	G-4520	AB	Yellow	2X 1300 Washington St.
	G-4525	BC	Yellow	2X Bloomington, Ill.61701
	G-4574	A	Yellow	3X
	G-4628	A	Yellow	2X
	G-4636	A	Yellow	2X
	G-4737	B	Yellow	2X
	G-4776	BC	Yellow	Sp X
	G-4848	AC	Yellow	2X
	G-4747W	AC	White	Sp X
	Exp. 27792	C	Yellow	Sp X
	" 28189	C	Yellow	Sp X
" 28236	C	Yellow	Sp X	
Golden Acres	T-E 6968	AB	Yellow	2X Taylor-Evans Seed Co.
	T-E 6980	A	Yellow	2X P.O.Box 68
	T-E 6995	A	Yellow	2X Tulia, Tx. 79088
	T-E 6947	C	Yellow	2X
	T-E 6992	AB		
Golden Harvest	H2650	AB	Yellow	2X Columbiana Seed Co.
	H2666	AB	Yellow	2X Eldred, Ill. 62027
	H2775	A	Yellow	2X
	H2660W	A	White	2X
Gutwein	62A	A	Yellow	2X Fred Gutwein & Sons, Inc.
	72	A	Yellow	2X Rt # 1, Box 40
	86	A	Yellow	2X Francesville, Ind.47946
Hoblit	XR441A	A	Yellow	2X Hoblit Seed Co. Atlanta, Ill.61723
Hulting	X770	AB	Yellow	2X Hulting Hybrids, Div.
	X880	AB	Yellow	2X of Ferry Morse Seeds
	X980	AB	Yellow	2X P.O. Box 24
	X8800	A	Yellow	2X Geneseo, Ill.61254
	Exp. 74-174	C	Yellow	2X
	X990	BC	Yellow	2X
Mason	7766	B	Yellow	2X Mason Hybrid Corn Co.
	8869	A	Yellow	2X Route # 1 Princeton, Ky.42445
McNair	X194	A	Yellow	2X McNair Seed Co. P.O.Box 706 Laurinburg, N.C.28352

(continued)

TABLE 1 (continued)

HYBRID		TEST*	COLOR	CROSS **	SOURCE OF HYBRID
Migro	M-7072	AB	Yellow	2X	Migro Hybrids
	M-0701EP	A	Yellow	2X	P.O.Box 7
	M-0505	A	Yellow	2X	Mitchell, Ind,47446
	M-5045	C	Yellow	4X	
	M-600A	C	Yellow	2X(Mod)	
	M-7074	B	Yellow	2X	
	M-6666	B	Yellow	2X	
	M-0601	B	Yellow	2X	
	M-Exp-3416	B	Yellow	2X	
Muncy Chief	SX777	A	Yellow	2X	Muncy Chief Hybrids
	SX808B	A	Yellow	2X	Market & High Sts.
	SX878	A	Yellow	2X	Muncy, Pa.17756
	H764	B	Yellow	4X	
	MDM 702	C	Yellow	4X	
	MDM 803	C	Yellow	2X	
Northrup-King	PX74	AB	Yellow	2X	Northrup-King & Co.
	PX76	AB	Yellow	2X	1500 Jackson St.N.W.
	PX79	AB	Yellow	2X	Minneapolis, Minn.55402
	PX91	C	Yellow	2X	
	PX95	C	Yellow	2X	
	PX65	B	Yellow	2X	
	PX675	AB	Yellow	3X	
	PX715	C	Yellow	3X	
	PX737	C	Yellow	3X	
O's Gold	SX5500	A	Yellow	2X	O's Gold Seed Co. P.O.Box 460 Parkersburg, Ia 50665
P.A.G.	SX17A	AC	Yellow	2X	P.A.G. Seeds
	SX98	AB	Yellow	2X	P.O.Box 9480
	314	A	Yellow	2X	Dept.16
	357	A	Yellow	2X	Minneapolis, Minn.55440
		Exp.246006	C	Yellow	
Pioneer Brand	3145	BC	Yellow	2X(Mod)	Pioneer Hi-Bred, Inc.
	3147	BC	Yellow	2X(Mod)	221 N. Main St.
	3161	A	Yellow	3X(Mod)	Tipton, Ind.46072
	3179	C	Yellow	2X(mod)	
	3184	A	Yellow	2X	
	3334A	A	Yellow	2X(Mod)	
	3364	C	Yellow	2X(Mod)	
	3368A	A	Yellow	2X(Mod)	
	3369A	AB	Yellow	2X	
	511A	A	White	4X	
	3535	B	Yellow	2X	
Premier	SX633	A	Yellow	2X	Premier Hybrids
	SX655	A	Yellow	2X	Route 15, Box 223X
	SX688	A	Yellow	2X	Acton, Ind.46259
	633A	C	Yellow		
	SX64L-I	B	Yellow	2X(Mod)	
	SX695-I	B	Yellow	2X(Mod)	
Princeton	SX840	AC	Yellow	2X	Princeton Farms
	SX910	AC	White	2X	P.O.Box 319 Princeton, Ind.47670

(continued)

TABLE 1 (continued)

HYBRID		TEST *	COLOR	CROSS **	SOURCE OF HYBRID
Ring Around	RA1501	A	Yellow	2X	Ring Around Products, Inc. Research Division P.O.Box 1629 Plainview, Tx.79072
	RA1502	AB	Yellow	2X	
	RA2601	C	Yellow	2X(Mod)	
	RA3602	C	Yellow	3X	
	RA2602W	C	White	2X(Mod)	
	RA3502	B	Yellow	3X	
Ruff's	R- 287	A	Yellow	3X	Ruff's Seed Farms Amada, Ohio 43102
	R-334	A	Yellow	2X	
	MDM R-434	C	Yellow	2X	
Security	SS112	A	Yellow	2X	Security Seed Co. P.O.Box 630 Williamsburg, Ia.52361
	S7111	A	Yellow		
	S120-A	C	Yellow	2X(Mod)	
	SS115	B	Yellow	2X(Mod)	
	SS125	C	Yellow	2X	
Seed Kem	SKX 76	A	Yellow	2X	Seed Kem, Inc. 526 N.W. Fourth St. Evansville, Ind.47701
	SKX 86	AB	Yellow	2X	
	SKX 98	A	Yellow	2X	
	SKX 68	C	Yellow	2X	
	SK 71AW	C	White	2X(Mod)	
	SK 72AW	C	White	2X(Mod)	
	SKX 66	B	Yellow	2X	
SS Hybrids	JX 86	A	Yellow	2X	S. S. Hybrids P.O. Box 54 Camden, Ind. 46917
	5100	A	Yellow	2X	
	6400	AC	Yellow	2X	
So.States	SS727	A	Yellow	2X	Southern States Coop, Inc. 2600 Durham St. Richmond, Va.23220
	SS730-P	A	Yellow	2X(Mod)	
	SS775	A	Yellow	2X	
	SS795	A	Yellow	3X	
	SS950W	AC	White	3X	
	SS760	C	Yellow	2X	
Stewarts	SX 70	A	Yellow	2X	Stewart Hybrids Princeville, Ill.61559
	SX 77	AB	Yellow	2X	
	S-3276	C	Yellow		
Sturdy Grow	SG937W	C	White		Sturdy Grow Hybrid Seed P.O.Box 94 Arcola, Ill.61910
	SG957W	C	White		
Super Crost	5440	A	Yellow	2X	Edw.J.Funk & Sons, Inc. P.O.Box 67 Kentland, Ind.47951
	6800	A	Yellow	2X(Mod)	
	7772	B	Yellow	2X(Mod)	
	6880	B	Yellow	2X(Mod)	
	S67	B	Yellow	2X(Mod)	
	S85	B	Yellow	2X(Mod)	
Trojan	TXS114	AB	Yellow	2X	Pfizer Genetics, Inc. P.O.Box 367 Windfall, Ind.46076
	TXS115A	AB	Yellow	2X	
	TXS119	A	Yellow	2X	
	TX 119A	AB	Yellow	3X	
	T 1120	A	Yellow	2X	
	MDM 116	C	Yellow	2X	
	TXS 113	B	Yellow	2X	

(continued)

TABLE 1 (continued)

HYBRID		TEST*	COLOR	CROSS**	SOURCE OF HYBRID
Voriss	V2532	A	Yellow	2X	Voriss Seeds, Inc. Box 457 Windfall, Ind. 46076
	V2642	A	Yellow	2X	
	V2502	C	Yellow	2X	
Wilstar	6663	A	Yellow	2X	Helena Chemical Co. Wilstar Seeds P.O. Box 1393 Des Moines, Ia. 50303
	7771	A	Yellow	2X	
	7770	B	Yellow	2X	
	9990	C	Yellow	2X	
	9997	C	Yellow	2X	
Zimmerman	Z20Y	A	Yellow	2X	Zimmerman's Hybrids Inc Route 2 Evansville, Ind. 47712
	Z24Y	AB	Yellow	2X	
	Z11W	AC	White	2X	
	Z19W	A	White	2X	
	Z52W	AC	White	3X	
K.A.E.S.	Ky 105	ABC	Yellow	4X	Kentucky Agricultural Experiment Station Univ. of Ky. Lexington, Ky. 40506
	Ky 5921W	BC	White	4X	
	Virus SynW	C	White	Syn	
	Virus SynY	C	Yellow	Syn	
	802WXC166	B	White	2X	

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

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

TABLE 2.—AGRONOMIC INFORMATION PERTAINING TO 1977 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- 150 P ₂ O ₅ - 120 K ₂ O- 72	Aatrex and Eradicane	Furadan 18 lb/A	May 9	Oct. 19, 20 & 21	Wind uprooted this test
(2) Princeton, Ky. Western Ky. Substation	Huntington & Lindsie Silt Loam	N- 150 P ₂ O ₅ - None K ₂ O- 60	Princep and Eradicane	Furadan 18 lb/A	May 10	Oct. 24, 27, 28, 29, 30, 31 Nov. 1 & 2	
(3) Henderson, Ky. Jay Beasley	Huntington Fine Sandy Loam	N- 125 P ₂ O ₅ - None K ₂ O- None	Sutan ⁺	No insecticide applied	May 12	Oct. 17 and 18	Corn Viruses
(4) Hartford, Ky. Dane Milligan	Melvin Silt Loam	N- 200 P ₂ O ₅ - 92 K ₂ O- 120	Aatrex and Eradicane	Furadan 18 lb/A	May 11	Oct. 14 and 15	Rainfall-May -Oct. 11; 26.4"
(5) Franklin, Ky. Robert (Bob) Wade	Pembroke Silt Loam	N- 150 P ₂ O ₅ - 80 K ₂ O- 80	Aatrex, Lasso and Paraquat	Furadan 18 lb/A	Apr. 27	Oct. 11, 12, & 13	No-till Fescue sod & Red Clover
(6) Elizabethtown, Ky. J. A. Buchanan, Owner Chas. & Tom Skees- Producers	Crider Silt Loam	N- 150 P ₂ O ₅ - 80 K ₂ O- 80	Aatrex, Princep and Paraquat	Furadan 18 lb/A	Apr. 26	Oct. 4, 5 6, & 7	No-till Old Stalks
(7) Hodgenville, Ky. Frankie Weller	Pembroke Silt Loam	N- 125 P ₂ O ₅ - 60 K ₂ O- None	Aatrex and Eradicane	No insecticide applied	May 23	Nov. 15 & 18	No apparent Virus Infection
(8) Lexington, Ky. K. A. E. S. Spindletop Farm	Lanton Silt Loam	N- 150 P ₂ O ₅ - None K ₂ O- 100	Princep and Eradicane	Furadan 18 lb/A	May 16	Nov. 19 Dec. 16 & 19	
(9) Quicksand, Ky. Robinson Substation	Philo Silt Loam	N- 202 P ₂ O ₅ - 102 K ₂ O- 102	Aatrex and Eradicane	Furadan 18 lb/A	May 18	Data to be presented at later date	Fungus diseases present

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

HYBRID	3-YR	2-YR	1977 RESULTS			
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
STEWART SX 77		173.1	173.8	17.7	89.0	83.6
NORTHROP-KING PX74	150.0	175.5	168.4	17.1	86.2	94.2
TROJAN TXS 119		173.3	159.9	17.8	83.8	89.1
PIONEER BRAND 3368A	161.7	177.5	153.6	17.7	89.5	80.4
TRCJAN T1120			151.1	17.6	82.4	79.7
P-A-G 357			149.8	17.2	85.7	97.2
DENNIS 31			149.1	17.3	82.4	88.7
MIGRO M-7072	155.2	167.9	147.9	17.1	88.1	77.0
WILSTAR 7771			147.9	17.5	82.4	66.6
SO.STATES SS775	148.3	167.2	147.4	17.5	81.0	92.4
COKER 16	153.6	169.1	146.9	16.2	88.1	61.0
S S HYBRIDS 86	141.6	153.3	146.2	17.8	85.2	80.2
DEKALB XL80	134.4	155.0	145.4	17.8	91.4	55.0
FUNK'S G4636			144.6	18.4	89.5	76.1
SUPER CROST 6800			143.7	17.0	81.0	96.5
RUFF'S R287			141.0	17.5	80.0	85.3
HULTING X980	147.5	165.2	140.9	18.5	82.9	74.1
BO-JAC X56			139.8	18.2	85.2	95.3
PICNEER BRAND 3184		160.2	139.5	18.2	94.3	64.8
COLBERT 310			139.3	17.5	86.2	89.0
SECURITY S711			138.6	16.6	83.8	98.9
NORTHROP-KING PX79	153.0	167.8	138.4	17.3	84.3	96.5
SEED KEM SKX-76		138.7	137.9	17.4	84.3	91.8
HULTING X880	137.0	157.6	137.6	18.3	84.8	98.4
DEKALB XL72B	132.5	147.8	136.7	16.7	81.0	64.3
FUNK'S G4507	139.5	154.5	136.4	17.6	85.7	95.5
ASGROW RX 90		161.9	136.3	17.4	83.3	96.0
ADLERS 87X	152.6	169.7	136.1	18.6	86.7	83.7
VORIS SEEDS V2642	145.8	156.3	131.4	18.3	87.1	87.6
RUFF'S R334			130.6	17.3	84.3	89.7
WILSTAR 6663		150.6	130.4	17.3	82.9	93.0
VORIS SEEDS V2532	141.2	148.6	129.2	17.2	84.8	99.4
S S HYBRIDS 6400			128.9	16.4	82.4	84.1
S S HYBRIDS 5100			128.0	17.0	86.7	90.7
ZIMMERMAN Z24Y	155.4	160.1	127.7	17.8	89.5	91.5
DENNIS 69			126.6	18.0	89.0	95.2
TROJAN TX 119A			126.5	16.9	86.7	70.3
FUNK'S G4520		156.9	126.2	17.0	90.5	87.5
ACCO UC 8951			125.7	18.0	85.2	91.7
ADLERS 62X			124.1	17.6	87.6	88.2
PREMIER 688		150.0	123.9	18.0	80.5	88.8
SUPER CROST 5440	137.7	148.6	121.0	17.0	83.8	79.8
HOBLIT XR441A			120.3	17.3	88.6	92.6
ZIMMERMAN Z20Y			120.2	17.6	91.4	92.1
HULTING X770			119.9	16.2	80.0	97.5
GOLDEN HARVEST H2775			118.6	18.0	89.0	59.2
GOLDEN ACRES T-E 6968	122.7	142.9	117.5	16.8	92.4	56.1
DENNIS 37	140.0	156.0	117.2	17.1	84.8	89.9
O'S GOLD SX5500		135.8	116.6	17.4	87.1	82.6
FUNK'S G4628	132.3	142.7	116.4	16.6	71.0	88.5
DEKALB XL78	139.5	145.6	116.3	17.4	87.1	81.4
BO-JAC X83	143.2	150.8	116.0	17.9	82.9	84.8
SO.STATES SS727		149.9	115.8	17.5	83.3	90.0
STEWART SX 70			115.7	17.3	78.6	90.1
NORTHROP-KING PX675		149.9	115.6	17.2	84.3	91.8
RING AROUND RA1502			115.0	17.4	82.9	90.1
FUNK'S G4848		151.6	114.5	18.7	83.3	72.4
P-A-G SX 17A		148.5	111.6	18.1	75.2	87.3
GOLDEN ACRES T-E 6995			111.4	17.4	88.1	98.9

(continued)

TABLE 3 (continued)

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1977 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
MIGRO M-0505			111.1	16.8	83.6	94.3
FUNK'S G4574			110.6	17.0	87.1	90.7
BO-JAC X56B			109.5	17.4	78.1	93.1
COKER 22			108.7	18.8	89.5	82.7
PICNEER BRAND 3369A	144.7	150.4	106.8	17.2	87.1	96.1
PREMIER SX633		147.4	105.4	16.7	80.0	95.9
MIGRO M-0701EP			105.1	17.1	77.6	83.8
MCNAIR X194		143.8	105.0	16.9	81.9	88.4
SEED KEM SKX98			104.3	17.9	87.1	84.4
BO-JAC X923			103.8	16.6	84.3	77.5
PIONEER BRAND 3334A			102.4	17.0	73.8	86.4
SO.STATES SS795			101.6	17.7	87.6	92.3
ACCO UC 9792			101.4	17.5	87.1	80.1
PICNEER BRAND 3161	141.1	145.4	101.3	17.6	82.9	76.2
MUNCY CHIEF SX808B		139.8	100.2	17.4	77.1	83.7
GOLDEN HARVEST H2666	132.4	137.4	99.3	16.8	83.8	94.2
P-A-G SX 98	133.3	139.4	99.1	17.6	81.4	85.6
DEKALB XL72AA		135.1	98.0	17.7	83.8	97.2
COKER 18		140.5	97.2	19.0	91.0	90.1
GUTWEIN 62A			96.9	17.5	83.3	89.8
ASGROW RX 101			95.6	17.7	83.3	92.5
P-A-G 314			94.8	17.0	73.3	89.6
TROJAN TXS 114	106.7	131.5	93.8	17.2	84.3	93.7
GOLDEN ACRES T-E 6980			93.2	17.6	78.1	87.2
PRINCETON SX 840			92.5	16.9	86.7	70.4
NORTHROP-KING PX76			91.8	17.7	86.2	83.2
RING AROUND RA1501			90.0	17.8	78.6	88.7
PREMIER 655			89.8	17.2	82.4	84.3
GUTWEIN 72			87.6	18.1	88.1	97.8
SEED KEM SKX-86	115.2	125.0	86.2	16.6	88.6	81.7
COLBEPT 315			84.6	16.8	92.9	89.7
DEKALB XL75A			83.6	16.9	74.3	89.0
HULTING X8800			82.2	17.8	65.2	88.3
SO.STATES SS730P			81.1	17.6	83.8	95.6
MASON 8869	117.5	125.5	80.3	18.6	79.5	86.1
KENTUCKY 105			79.2	18.6	91.9	95.4
MUNCY CHIEF SX777			76.7	16.4	72.4	86.8
TROJAN TXS 115A	110.9	118.1	74.1	17.4	88.1	91.1
GUTWEIN 86	125.6	136.0	73.2	17.2	84.3	83.5
GOLDEN HARVEST H2650		119.2	70.3	17.1	85.7	87.8
MUNCY CHIEF SX878	105.4	116.9	69.4	17.6	78.1	86.0
SECURITY SS112		128.7	67.3	16.0	58.1	86.4
YELLOW AVERAGE	137.4	149.2	116.2	17.4	83.9	86.4
WHITE						
DEKALB XL390A	141.5	154.2	123.8	17.5	86.7	80.0
PRINCETON SX 910	139.4	144.6	110.7	18.6	90.5	91.0
ZIMMERMAN Z52W	144.3	154.7	97.6	18.2	84.3	85.2
ZIMMERMAN Z11W	141.0	154.4	93.8	18.3	85.2	90.5
FUNK'S G4747W	134.2	137.1	81.2	18.0	86.7	93.9
PICNEER BRAND 511A	133.8	144.4	80.2	17.3	91.0	92.7
SO.STATES SS950W		130.6	71.4	17.2	75.7	95.5
GOLDEN HARVEST H2660W	122.2	128.7	71.4	17.2	66.7	84.5
ZIMMERMAN Z19W			61.9	17.5	86.2	92.5
WHITE AVERAGE	136.6	143.6	88.0	17.8	83.7	89.5
GRAND AVERAGE	137.3	148.5	113.9	17.5	83.9	86.7

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

HYBRID	3-YR	2-YR	1977 RESULTS			
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
PIONEER BRAND 3369A	164.5	181.4	195.2	17.7	88.6	26.4
COKER 22			194.1	18.1	99.0	19.3
S S HYBRIDS 5100			190.7	17.5	84.3	31.3
HOBLIT XR441A			185.7	18.1	91.9	30.9
COLBERT 310			177.7	17.7	95.2	74.1
MIGRO M-0505			171.1	18.2	93.8	66.0
FUNK'S G4848		168.6	171.0	19.3	95.7	28.5
RING AROUND RA1502			170.1	18.3	92.4	43.1
PIONEER BRAND 3184		170.3	167.1	18.7	95.7	25.5
COLBERT 315			164.5	16.6	94.3	31.6
S S HYBRIDS 86	157.5	171.8	164.1	17.8	91.9	43.6
STEWART SX 77		164.3	162.0	17.3	91.9	27.4
DEKALB XL80	144.2	159.8	160.8	17.7	90.0	36.0
BO-JAC X923			159.6	18.8	94.3	51.0
GOLDEN ACRES T-E 6995			157.6	17.2	91.0	57.1
ZIMMERMAN Z24Y	156.1	161.3	155.5	18.6	94.8	34.2
PIONEER BRAND 3161	149.5	169.7	155.1	17.5	93.8	37.5
BO-JAC X83	150.7	162.5	154.8	17.3	82.9	34.8
FUNK'S G4574			153.2	18.1	93.3	68.0
FUNK'S G4636			152.7	19.1	94.5	26.5
S S HYBRIDS 6400			152.4	17.8	81.0	19.5
GOLDEN ACRES T-E 6968	137.7	154.9	152.0	18.3	95.2	23.2
HULTING X880	155.7	160.8	151.5	18.4	90.5	64.6
PREMIER SX633		179.6	151.4	17.7	82.9	64.7
ADLERS 87X	136.0	149.9	151.2	17.4	95.2	39.0
ACCO UC 9792			150.0	18.7	86.2	49.1
NORTHROP-KING PX675		155.2	150.0	17.8	86.2	64.8
PRINCETON SX 840			149.1	17.1	91.4	8.3
VORIS SEEDS V2642	142.7	156.4	148.8	16.3	88.6	57.8
DEKALB XL78	146.0	152.6	148.5	17.4	97.1	28.1
TROJAN TXS 115A	141.1	152.4	147.1	18.5	92.4	64.2
PREMIER 688		152.2	146.9	17.4	83.3	32.8
ZIMMERMAN Z20Y			146.5	18.6	95.7	60.7
GOLDEN HARVEST H2666	151.1	161.5	146.3	17.6	89.0	53.9
KENTUCKY 105			146.2	18.6	95.2	55.1
WILSTAR 7771			144.7	18.2	97.6	33.1
TROJAN TXS 119		161.5	143.8	18.5	89.6	50.7
MCAIR X194		149.4	143.5	17.9	86.2	58.1
MASON 8869	131.2	146.3	143.2	18.9	86.7	29.6
SEED KEM SKX-86	138.0	149.9	143.1	18.4	92.4	16.9
PIONEER BRAND 3368A	140.9	151.3	143.0	18.2	87.6	23.2
TROJAN TX 119A			142.8	18.0	91.9	43.0
SO STATES SS775	144.2	156.0	141.9	18.1	91.9	20.3
COKER 16	136.6	149.1	141.3	16.9	91.0	19.5
ACCO UC 8951			141.1	18.7	88.6	55.0
SECURITY S711			140.2	18.2	88.1	44.2
STEWART SX 70			139.8	18.0	86.2	56.8
BO-JAC X56B			137.7	17.2	88.1	57.8
TROJAN T1120			137.6	16.8	95.7	35.9
FUNK'S G4628	130.6	137.4	137.3	19.0	79.5	67.1
RING AROUND RA1501			136.1	17.8	90.0	51.8
TROJAN TXS 114	134.3	150.1	134.6	17.9	89.0	55.7
MUNCY CHIEF SX878	108.6	121.9	134.3	18.0	87.6	63.2
FUNK'S G4520		162.5	133.0	18.1	90.5	25.8
NORTHROP-KING PX76			132.1	17.9	91.0	30.4
GOLDEN ACRES T-E 6980			131.2	18.0	84.8	30.4
PREMIER 655			131.0	16.6	89.0	21.4
P-A-G SX 17A		158.2	130.7	18.5	87.1	67.5
MUNCY CHIEF SX808B		133.0	130.4	17.0	87.1	39.7

(continued)

TABLE 4 (continued)

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1977 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
MIGRO M-7072	144.3	155.3	129.9	17.5	94.8	50.4
DENNIS 37	158.5	163.0	129.6	18.0	87.6	68.1
GUTWEIN 72			128.3	18.2	88.1	57.7
GOLDEN HARVEST H2775			127.7	20.5	91.4	40.5
HULTING X980	132.6	144.8	126.9	17.3	84.3	47.4
BO-JAC X56			126.8	18.4	90.0	67.2
RUFF'S R334			126.7	17.9	89.0	57.9
SO.STATES SS795			126.5	18.0	94.8	70.9
SO.STATES SS730P			126.2	17.5	91.9	54.9
SUPER CROST 6800		128.9	125.3	18.4	84.3	52.2
COKER 18			124.5	18.8	96.7	46.2
NORTHRUP-KING PX79	137.6	140.4	124.5	17.8	91.9	52.0
HULTING X770			124.2	16.8	86.2	54.0
SEED KEM SKX-76		132.6	124.2	18.2	94.8	40.8
GUTWEIN 86	130.6	143.1	123.3	17.1	89.5	32.9
MIGRO M-0701EP			122.2	17.6	88.6	58.0
DEKALB XL75A			122.0	19.0	93.3	76.1
P-A-G SX 98	128.3	131.8	121.7	17.3	81.4	40.4
VORIS SEEDS V2532	149.7	154.1	120.9	17.8	93.3	74.9
SEED KEM SKX98			119.4	17.4	86.7	44.8
GOLDEN HARVEST H2650		129.7	119.0	19.6	91.0	77.6
O'S GOLD SX5500		126.7	118.2	17.4	90.5	50.3
DEKALB XL72B	123.3	132.0	116.6	17.5	77.6	15.1
FUNK'S G4507	137.0	139.8	112.5	18.2	89.5	84.7
DENNIS 69			112.4	18.6	94.3	57.2
NORTHRUP-KING PX74	140.7	148.0	111.4	18.4	90.0	76.6
P-A-G 314			110.9	18.1	79.5	61.2
SO.STATES SS727		139.5	109.5	18.3	93.3	60.6
RUFF'S R287			108.6	19.9	82.9	55.1
ADLERS 62X			108.5	18.5	91.9	35.9
GUTWEIN 62A			106.8	17.3	89.0	53.6
DENNIS 31			106.6	18.6	85.2	69.9
P-A-G 357			104.6	18.4	91.9	75.6
HULTING X8800			104.4	18.6	81.4	64.4
WILSTAR 6663		135.6	103.0	18.3	81.0	75.5
SUPER CROST 5440	129.0	134.8	102.2	17.2	92.9	45.6
ASGROW RX 101			100.0	17.7	93.3	44.7
MUNCY CHIEF SX777			99.7	18.2	72.9	60.3
DEKALB XL72AA		129.9	98.5	19.0	89.0	82.6
PIONEER BRAND 3334A			96.4	18.3	87.1	35.8
ASGROW RX 90		138.3	94.3	18.1	87.6	66.3
SECURITY SS112		126.8	85.4	17.2	56.7	31.0
YELLOW AVERAGE	140.9	149.8	136.1	18.0	89.3	47.9
WHITE						
SO.STATES SS950W		175.8	164.3	17.7	87.1	39.7
GOLDEN HARVEST H2660W	149.1	161.2	150.6	18.3	72.4	29.3
PRINCETON SX 910	145.1	156.0	145.7	17.2	93.8	44.3
ZIMMERMAN Z52W	145.2	160.4	145.4	18.4	95.2	51.3
FUNK'S G4747W	146.9	156.4	143.5	19.7	88.6	56.2
ZIMMERMAN Z19W			135.2	18.9	94.3	49.6
ZIMMERMAN Z11W	138.1	152.0	132.2	19.9	91.0	73.7
PIONEER BRAND 511A	121.6	131.0	110.4	19.1	96.7	61.7
DEKALB XL390A	120.2	180.4	96.0	19.2	89.5	30.9
WHITE AVERAGE	138.0	152.9	135.9	18.7	89.8	48.5
GRAND AVERAGE	140.4	150.2	136.1	18.1	89.4	48.0

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

HYBRID	3-YR	2-YR	1977 RESULTS			
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
TROJAN TXS 114	166.9	185.4	194.9	18.1	98.1	15.6
GUTWEIN 72			194.6	17.5	98.1	15.1
VORIS SEEDS V2532	172.8	175.0	181.8	17.6	95.2	23.3
DENNIS 37	174.9	177.6	179.6	17.1	94.8	15.3
MUNCY CHIEF SX808B		152.5	179.4	19.8	95.7	13.0
S S HYBRIDS 6400			179.2	16.9	87.6	10.3
PIONEER BRAND 3161	160.3	169.0	178.9	18.2	91.9	4.2
VORIS SEEDS V2642	155.4	167.1	174.5	18.0	93.3	16.7
MIGRO M-0505			173.2	18.1	85.7	7.0
S S HYBRIDS 5100			170.5	17.1	91.9	15.5
COKER 18		178.1	169.8	20.0	92.9	13.8
PRINCETON SX 840			169.7	19.4	87.6	1.0
DEKALB XL72B	155.7	160.5	169.4	16.8	79.5	8.1
PIONEER BRAND 3369A	163.9	161.6	166.5	18.4	86.2	9.3
P-A-G SX 17A		171.7	164.2	17.7	87.1	43.9
BO-JAC X923			163.3	20.5	94.3	17.7
ZIMMERMAN Z20Y			163.1	18.7	96.2	14.3
STEWART SX 77		158.8	162.3	18.9	91.9	8.2
DEKALB XL72AA		163.7	161.1	17.4	87.6	9.3
ADLERS 87X	153.1	161.1	161.1	18.0	91.4	11.0
HOBLIT XR441A			161.1	19.3	91.9	15.8
ZIMMERMAN Z24Y	164.3	171.0	160.1	17.9	91.4	9.9
RING AROUND RA1502			160.1	19.2	85.2	18.0
PIONEER BRAND 3184		161.3	158.2	19.7	90.5	2.5
MIGRO M-7072	161.9	161.6	157.8	17.6	88.6	12.3
BO-JAC X56			157.5	17.1	85.2	14.1
ACCO UC 8951			157.5	18.8	87.1	8.6
ASGROW RX 101			156.9	16.7	86.7	11.0
DEKALB XL78	153.8	150.5	155.7	18.6	94.3	6.0
COKER 16	154.4	160.1	155.7	18.3	85.2	9.0
SO. STATES SS727		168.3	155.7	17.6	90.5	9.5
NORTHROP-KING PX79	159.7	154.6	155.5	16.9	92.4	9.1
GOLDEN HARVEST H2666	157.4	160.2	155.1	18.9	88.1	22.7
COLBERT 310			154.4	17.7	86.7	12.7
WILSTAR 6663		159.7	154.3	17.2	79.0	15.1
TROJAN TXS 119		156.0	153.0	17.9	89.0	16.2
P-A-G SX 98	147.4	142.7	152.7	19.3	75.2	8.8
COKER 22			152.5	19.9	88.6	7.1
WILSTAR 7771			152.3	17.5	91.9	11.9
FUNK'S G4507	156.1	156.4	152.1	17.8	90.5	28.7
ACCO UC 9792			151.0	19.7	90.5	6.4
SUPER CROST 6800			149.7	17.4	91.0	13.6
SO. STATES SS795			149.4	17.4	90.5	18.0
FUNK'S G4848		161.7	148.8	21.5	89.0	10.2
GUTWEIN 86	164.5	164.0	148.7	16.4	87.6	11.2
PREMIER 655			148.6	17.1	87.6	16.7
NORTHROP-KING PX74	158.8	161.2	148.1	17.8	95.2	18.0
DEKALB XL75A			147.6	17.6	85.7	10.2
STEWART SX 70			147.5	18.0	83.8	19.6
FUNK'S G4636			147.4	19.0	81.0	12.6
GOLDEN ACRES T-E 6968	151.1	153.5	147.1	17.8	85.7	6.7
BO-JAC X83	160.9	156.9	147.0	18.4	86.7	11.2
MUNCY CHIEF SX878	138.4	147.4	146.6	17.6	85.7	17.3
NORTHROP-KING PX76			145.7	18.0	83.8	12.8
RING AROUND RA1501			144.6	17.4	87.1	7.2
GOLDEN ACRES T-E 6980			144.4	19.3	81.0	14.2
GOLDEN HARVEST H2650		146.3	144.3	19.4	85.2	38.0
SUPER CROST 5440	157.0	152.8	144.3	18.0	88.1	9.2
SO. STATES SS730P			144.0	17.7	82.9	10.1

(continued)

TABLE 5 (continued)

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1977 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
DENNIS 31			143.9	17.8	84.3	52.2
ASGROW RX 90		150.4	143.8	17.1	87.1	12.6
GOLDEN ACRES T-E 6995			143.7	17.6	85.7	18.2
DENNIS 69			143.4	18.9	92.4	36.0
PREMIER 688		139.3	142.4	18.4	87.1	15.9
SEED KEM SKX-76		131.5	142.4	17.3	85.7	10.4
FUNK'S G4520		145.2	142.2	17.4	89.0	25.2
BO-JAC X56B			141.9	17.7	89.5	12.1
HULTING X980	157.7	156.9	141.8	19.4	83.8	21.6
COLBERT 315			141.2	19.2	94.8	16.3
FUNK'S G4574			140.8	17.8	91.4	19.2
SECURITY S711			140.6	16.9	91.9	9.3
MASON 8869	141.2	143.3	140.5	18.7	85.2	13.7
RUFF'S R334			140.3	18.5	92.9	23.3
SEED KEM SKX-86	149.2	147.8	140.3	17.6	93.8	10.6
TROJAN TXS 115A	139.5	142.6	139.8	18.3	85.7	23.9
PICNEER BRAND 3368A	151.0	143.6	138.9	17.9	87.1	22.6
GUTWEIN 62A			138.4	18.0	91.9	16.7
MIGRO M-0701EP			137.2	16.4	90.5	25.8
SO.STATES SS775	137.8	141.4	136.6	17.6	95.7	6.5
MCNAIR X194		149.0	134.5	18.0	80.5	21.1
S S HYBRIDS 86	152.8	150.7	134.2	18.6	83.3	16.6
DEKALB XL80	145.2	143.5	134.1	18.4	91.9	6.1
ADLERS 62X			133.7	17.0	92.4	13.9
O'S GOLD SX5500		132.4	133.2	18.7	88.6	23.4
HULTING X880	156.5	149.8	132.7	18.0	83.8	9.2
GOLDEN HARVEST H2775			131.8	20.0	84.3	4.0
PIONEER BRAND 3334A			131.6	18.5	86.7	8.7
HULTING X770			130.1	17.5	86.7	25.8
KENTUCKY 105			129.8	20.0	91.0	27.1
NORTHROP-KING PX675		138.6	129.3	17.2	91.9	11.1
P-A-G 314			128.3	17.1	78.6	9.5
HULTING X8800			125.7	18.3	81.4	17.5
P-A-G 357			125.3	17.9	92.4	42.9
SEED KEM SKX98			119.5	19.3	83.3	16.4
FUNK'S G4628	130.8	130.9	118.5	18.8	72.9	24.1
PREMIER SX633		145.2	117.3	17.6	80.5	17.6
TROJAN T1120			116.8	17.8	90.5	6.3
SECURITY SS112		140.2	113.2	17.4	54.8	15.9
TROJAN TX 119A			109.9	17.8	92.4	11.8
MUNCY CHIEF SX777			108.7	17.8	75.7	17.3
RUFF'S R287			104.2	18.1	83.8	24.7
YELLOW AVERAGE	154.7	154.8	147.8	18.1	87.8	15.3
WHITE						
PRINCETON SX 910	167.3	172.6	174.5	20.6	90.0	20.1
ZIMMERMAN Z11W	171.8	173.3	170.8	20.3	91.9	12.5
ZIMMERMAN Z52W	165.9	165.9	159.8	19.6	90.0	18.6
SO.STATES SS950W		161.3	152.9	19.2	90.0	15.3
ZIMMERMAN Z19W			152.4	19.7	90.5	21.0
GOLDEN HARVEST H2660W	145.9	155.2	146.5	19.9	75.7	19.2
PIONEER BRAND 511A	146.8	146.9	142.1	21.1	96.2	33.4
FUNK'S G4747W	148.1	152.4	136.6	19.7	81.0	12.2
DEKALB XL390A	145.1	154.4	134.0	19.4	86.2	20.5
WHITE AVERAGE	156.5	159.7	152.2	20.0	87.9	19.2
GRAND AVERAGE	155.0	155.5	148.2	18.3	87.8	15.6

TABLE 6.—ANNUAL SUMMARY, NORMAL POPULATION, NO-TILL, FRANKLIN, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1977 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
PIONEER BRAND 3184		148.7	170.7	19.5	83.3	2.2
ADLERS 62X			169.4	17.2	95.7	20.4
SEED KEM SKX-76		134.3	156.9	17.3	89.7	14.3
HOBLOT XR441A			155.2	17.9	83.8	5.8
BO-JAC X56B			154.0	16.9	79.9	12.6
COLBERT 310			152.1	17.3	79.5	4.8
PREMIER 655			149.5	17.7	77.4	17.2
TROJAN TXS 115A	119.9	134.0	147.9	16.6	82.5	9.8
GUTWEIN 62A			146.4	19.4	88.9	18.7
SUPER CROST 5440	124.0	139.5	145.1	15.1	88.0	10.0
MIGRO M-7072	124.1	130.9	144.2	17.5	90.6	10.9
SECURITY S711			143.8	16.4	82.1	13.0
SO. STATES SS727		139.3	143.2	17.1	91.5	15.4
FUNK'S G4520		140.9	143.0	17.1	86.3	7.4
PIONEER BRAND 3369A	125.7	131.7	142.6	15.8	89.3	14.1
SUPER CROST 6800			142.1	16.0	82.1	12.4
S S HYBRIDS 6400			140.6	16.9	80.8	8.6
VORIS SEEDS V2642	128.1	134.0	140.2	18.5	83.8	12.3
GUTWEIN 86	117.3	126.1	135.9	16.7	88.0	21.6
ZIMMERMAN Z20Y			135.7	18.6	79.5	16.5
STEWART SX 77		138.6	135.7	18.6	85.9	13.4
BO-JAC X923			133.4	17.9	86.3	14.8
NORTHROP-KING PX79	118.6	132.3	132.1	17.3	93.2	16.3
FUNK'S G4574			132.0	17.6	86.8	23.3
WILSTAR 7771			131.9	17.2	73.1	10.0
FUNK'S G4507	117.0	129.6	131.7	17.7	91.9	10.1
RING AROUND RA1502			131.6	18.2	84.2	7.0
PREMIER 688		117.8	131.5	18.2	78.6	16.0
DENNIS 37	117.3	128.3	131.1	18.2	91.0	18.8
DEKALB XL72AA		136.7	130.3	16.6	84.6	6.9
ACCO UC 9792			129.2	17.9	81.6	15.6
S S HYBRIDS 86	116.9	116.8	128.6	17.5	74.8	14.3
P-A-G SX 17A		131.9	128.5	16.3	86.3	34.5
COKER 22			128.4	17.2	90.6	13.1
MCNAIR X194		129.8	127.2	17.8	73.5	11.7
ACCO UC 8951			127.2	18.3	90.6	18.9
FUNK'S G4848		117.2	126.6	21.3	90.2	15.2
DENNIS 31			125.5	17.1	78.6	27.1
ZIMMERMAN Z24Y	120.6	132.5	124.3	18.6	91.0	13.2
TROJAN TXS 119		129.9	124.0	18.8	78.2	15.8
GUTWEIN 72			123.7	17.9	79.5	11.2
PIONEER BRAND 3334A			123.7	17.6	84.2	10.2
ASGROW RX 90		128.7	123.0	16.7	84.2	22.0
BO-JAC X83	114.1	122.4	122.7	18.4	82.9	15.0
VORIS SEEDS V2532	119.8	132.6	122.7	17.2	88.0	16.0
ASGROW RX 101			121.7	17.7	76.5	13.8
RUFF'S R334			121.1	16.5	84.6	12.1
ADLERS 87X	118.1	120.7	119.6	17.7	81.2	13.1
DENNIS 69			119.4	16.4	81.2	12.9
RING AROUND RA1501			118.3	17.1	85.5	8.1
MUNCY CHIEF SX808B		119.5	117.2	18.9	77.4	20.0
MASON 8869	103.4	120.7	116.6	18.9	71.4	9.5
GOLDEN HARVEST H2775			115.1	19.2	69.2	7.9
STEWART SX 70			114.8	17.8	74.8	7.8
SO. STATES SS775	114.8	128.5	114.7	17.9	83.8	7.2
MIGRO M-0701EP			114.5	17.2	84.6	9.0
COKER 16	112.6	120.6	113.7	18.2	81.6	9.5
GOLDEN HARVEST H2666	109.8	121.3	113.5	18.2	77.8	10.4
S S HYBRIDS 5100			113.5	16.9	67.9	8.5

(continued)

TABLE 6 (continued)

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1977 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
TROJAN T1120			113.3	17.3	93.2	3.7
HULTING X880	115.2	124.8	113.2	17.0	80.3	10.4
RUFF'S R287			112.9	16.7	71.8	14.3
DEKALB XL78	108.5	122.5	112.7	18.0	88.0	11.7
COLBERT 315			112.6	16.3	81.2	7.3
GOLDEN ACRES T-E 6995			112.6	15.6	81.2	14.8
DEKALB XL75A			112.5	18.1	88.5	16.1
DEKALB XL72B	103.9	113.6	111.7	16.8	75.2	13.6
PRINCETON SX 840			111.2	18.8	86.3	7.8
NORTHROP-KING PX675		120.2	111.0	16.8	78.2	13.2
SEED KEM SKX-86	112.8	121.7	111.0	18.4	80.8	11.7
SO. STATES SS730P			111.0	16.5	80.3	11.1
SEED KEM SKX98			110.8	17.9	75.6	7.1
PIONEER BRAND 3368A	111.4	121.7	109.9	17.5	84.2	14.0
WILSTAR 6663		124.3	109.0	18.0	75.2	13.0
FUNK'S G4636			108.9	18.3	81.2	12.9
MUNCY CHIEF SX878	99.5	108.7	107.5	18.5	81.6	21.9
TRCJAN TX 119A			107.5	16.6	85.5	11.9
SECURITY SS112			107.1	16.4	58.1	14.9
P-A-G SX 98		121.0	106.1	17.7	73.1	14.9
HULTING X980	116.4	117.9	105.5	19.2	81.6	13.5
GOLDEN ACRES T-E 6980	116.7	122.5	105.5	18.3	73.9	15.1
NORTHROP-KING PX76			104.8	16.7	81.2	7.1
O'S GOLD SX5500			103.0	18.5	75.2	27.0
DEKALB XL80		99.8	100.1	18.6	91.0	12.2
MIGRO M-0505	98.3	104.9	99.8	16.5	85.0	22.1
PIONEER BRAND 3161			98.5	18.4	76.9	11.0
COKER 18	110.4	106.2	98.0	19.6	87.6	38.9
P-A-G 314		110.6	96.9	16.9	74.4	12.7
HULTING X8800			96.7	18.4	70.5	16.3
HULTING X770			95.7	16.8	67.1	17.8
GOLDEN ACRES T-E 6968			94.8	17.5	74.4	7.6
P-A-G 357	109.3	114.2	93.1	16.6	82.9	26.8
PREMIER SX633			92.8	17.6	75.2	20.2
NORTHROP-KING PX74		104.4	92.4	17.1	79.1	16.0
MUNCY CHIEF SX777	104.3	115.7	92.0	16.0	64.1	6.1
KENTUCKY 105			91.7	16.2	91.9	29.4
BO-JAC X56			91.4	16.8	83.3	18.8
GOLDEN HARVEST H2650			87.2	17.5	70.9	20.0
TROJAN TXS 114		102.1	86.8	18.3	81.2	9.6
FUNK'S G4628	105.2	115.4	81.6	15.8	71.8	21.2
SO. STATES SS795	97.2	100.8	81.4	18.1	65.4	11.0
YELLOW AVERAGE	113.5	123.2	119.8	17.6	81.3	14.0
WHITE						
ZIMMERMAN Z52W	119.4	130.9	145.6	19.8	79.1	22.2
ZIMMERMAN Z11W	117.5	121.0	122.1	18.4	82.9	25.7
SO. STATES SS950W		118.1	121.6	18.1	81.2	23.4
ZIMMERMAN Z19W			104.4	18.3	78.6	33.9
PIONEER BRAND 511A	95.3	99.8	98.2	18.5	85.9	47.1
FUNK'S G4747W	102.4	107.8	98.2	19.4	85.0	16.6
DEKALB XL390A	101.1	105.6	94.5	19.6	69.7	22.8
PRINCETON SX 910	98.5	98.6	91.0	18.7	84.6	24.0
GOLDEN HARVEST H2660W	102.7	98.0	83.9	18.9	60.7	27.9
WHITE AVERAGE	105.3	110.0	106.6	18.9	78.6	27.1
GRAND AVERAGE	112.0	121.5	118.7	17.7	81.1	15.1

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

HYBRID	3-YR	2-YR	YIELD BU/AC	1977 RESULTS		
	YIELD BU/AC	YIELD BU/AC		AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
STEWART SX 77		136.3	173.2	18.0	92.3	7.9
PIONEER BRAND 3161	102.8	114.7	161.6	17.8	89.7	7.1
ACCO UC 9792			159.5	18.2	91.0	6.7
PIONEER BRAND 3369A	102.8	112.6	151.2	17.4	84.6	14.1
GOLDEN HARVEST H2775			149.4	18.8	89.3	6.8
COKER 22			147.8	18.0	94.9	13.0
NORTHROP-KING PX74	95.9	108.5	145.6	17.4	85.9	21.6
GUTWEIN 72			144.3	18.2	88.9	3.9
S S HYBRIDS 5100			143.2	16.8	87.6	6.3
FUNK'S G4848		116.3	142.6	21.0	84.6	8.7
DEKALB XL80	91.2	98.8	141.8	17.5	78.6	10.2
DENNIS 37	100.9	109.0	141.3	16.7	79.1	10.9
DENNIS 31			141.1	16.9	79.9	31.5
RING AROUND RA1502			141.0	17.5	81.6	9.6
FUNK'S G4574			140.5	16.8	85.0	12.5
COLBERT 315			140.0	17.7	84.6	9.6
HULTING X980	103.4	111.9	138.4	18.0	81.2	8.1
ADLERS 62X			137.9	17.4	86.3	6.0
ZIMMERMAN Z20Y			136.2	18.2	88.0	19.4
BO-JAC X83	103.9	109.2	135.0	17.2	82.5	8.8
ZIMMERMAN Z24Y	105.0	113.3	134.4	16.8	91.9	16.3
FUNK'S G4507	101.3	109.0	133.6	17.7	84.6	10.2
TROJAN TXS 114	100.7	114.5	133.6	16.9	81.6	12.5
SO STATES SS727		119.3	132.8	17.1	88.9	6.2
ASGROW RX 90		98.1	132.8	16.4	86.8	6.5
WILSTAR 6663		102.5	130.7	17.4	76.1	3.5
NORTHROP-KING PX675		103.2	130.5	16.9	85.5	14.6
S S HYBRIDS 86	104.0	109.3	130.4	16.7	90.6	7.6
GOLDEN ACRES T-E 6995			130.3	17.0	83.8	5.7
RUFF'S R334			130.0	18.0	81.6	16.3
DENNIS 69			129.8	16.7	79.1	17.0
NORTHROP-KING PX79	105.2	114.7	129.7	16.6	84.2	9.7
SECURITY S711			129.1	16.7	85.9	6.0
SEED KEM SKX-86	99.2	110.3	129.0	16.2	85.0	14.6
COKER 16	95.7	102.1	128.9	16.8	89.7	11.0
TROJAN T1120			128.9	16.8	91.0	5.1
MCNAIR X194		107.4	127.5	17.6	79.9	8.6
SUPER CROST 6800			127.5	17.8	87.6	16.6
PIONEER BRAND 3368A	94.9	104.3	127.1	17.9	83.8	14.0
COLBERT 310			126.9	17.3	86.3	11.4
BO-JAC X56			126.7	16.7	82.9	7.7
RUFF'S R287			125.9	16.6	82.5	8.2
HOBLIT XR441A			125.6	17.9	84.2	5.0
ACCO UC 8951			125.1	18.0	89.7	8.1
GOLDEN HARVEST H2650		103.4	124.8	18.2	78.2	12.0
O'S GOLD SX5500		89.9	124.4	18.0	77.4	10.3
SO STATES SS730P			124.3	16.0	83.3	6.2
STEWART SX 70			124.2	17.6	75.6	7.9
PRINCETON SX 840			123.9	17.7	85.0	5.0
VORIS SEEDS V2532	100.8	101.8	122.8	16.6	80.3	7.9
ADLERS 87X	106.8	112.1	122.6	17.0	81.2	11.7
P-A-G SX 17A		99.2	120.1	17.1	81.6	22.4
FUNK'S G4520		88.2	119.8	18.2	83.3	5.0
VORIS SEEDS V2642	101.7	106.9	119.4	17.8	80.3	10.3
TROJAN TXS 119		98.3	119.2	18.1	81.2	13.4
HULTING X770			118.5	15.6	79.1	9.2
TROJAN TXS 115A	87.9	91.3	118.0	16.9	86.3	6.5
GUTWEIN 86	94.9	97.7	118.0	17.4	87.2	10.3
TROJAN TX 119A			117.8	16.7	90.2	10.6

(continued)

TABLE 7 (continued)

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1977 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
PREMIER 655			116.9	16.6	79.1	12.3
SO. STATES SS795			116.8	17.0	84.6	9.1
NORTHRUP-KING PX76			115.9	17.9	90.6	6.7
BO-JAC X923			115.0	17.3	83.3	14.7
WILSTAR 7771			114.2	17.4	86.3	4.4
SUPER CROST 5440	85.0	92.1	113.9	17.3	81.6	8.0
HULTING X8800			113.8	17.2	71.8	8.3
S. S HYBRIDS 6400			113.3	16.9	69.2	7.3
GUTWEIN 62A			113.0	17.6	76.5	4.5
ASGROW RX 101			112.9	17.7	82.9	10.4
GOLDEN HARVEST H2666	89.7	95.2	112.1	17.2	76.1	11.7
DEKALB XL75A			111.9	17.7	78.2	8.7
PREMIER 688		83.1	111.6	16.5	76.9	16.0
KENTUCKY 105			111.4	16.8	88.9	22.8
P-A-G SX 98	89.7	97.9	111.4	18.2	76.9	11.8
MIGRO M-7072	95.0	100.6	110.8	17.1	85.9	13.3
MIGRO M-0505			110.3	17.4	87.6	8.9
RING AROUND RA1501			109.4	16.5	81.6	10.2
DEKALB XL72B	94.5	100.5	109.1	16.6	74.4	7.3
DEKALB XL78	81.8	80.5	109.0	19.2	88.9	9.0
HULTING X880	93.1	96.7	108.0	17.1	80.3	11.7
PICNEER BRAND 3184		91.5	107.0	17.5	88.9	4.9
MIGRO M-0701EP			105.8	16.3	84.6	5.6
MUNCY CHIEF SX878	87.9	92.0	105.7	17.3	79.9	24.7
BO-JAC X56B			105.2	17.3	74.8	6.2
SO. STATES SS775	90.2	92.2	104.8	15.9	86.8	6.4
DEKALB XL72AA		106.1	103.7	17.5	80.3	5.4
PICNEER BRAND 3334A			103.6	18.0	77.8	30.2
MASON 8869	88.7	90.1	103.3	18.3	79.5	16.5
SEED KEM SKX98			103.1	17.6	78.6	15.1
SEED KEM SKX-76		90.1	102.9	16.6	78.2	12.4
FUNK'S G4636			100.1	17.2	85.5	8.0
GOLDEN ACRES T-E 6968	91.3	94.7	99.9	17.1	84.6	6.1
COKER 18		91.5	96.6	17.4	81.2	21.1
PREMIER SX633		88.6	93.2	16.6	85.0	3.4
P-A-G 314			91.1	16.6	67.1	5.6
MUNCY CHIEF SX808B		85.5	90.6	17.3	75.6	24.6
MUNCY CHIEF SX777			85.2	17.2	73.1	10.7
GOLDEN ACRES T-E 6980			83.6	17.4	74.4	11.5
P-A-G 357			83.6	16.9	75.2	14.4
FUNK'S G4628	86.9	83.0	80.3	18.0	67.5	8.4
SECURITY SS112		96.1	80.0	16.2	50.4	4.3
YELLOW AVERAGE	96.0	101.2	121.0	17.3	82.4	10.7
WHITE						
ZIMMERMAN Z19W			139.9	18.4	82.9	13.4
ZIMMERMAN Z52W	98.0	104.2	130.3	18.6	90.2	9.1
PIONEER BRAND 511A	90.6	97.2	130.2	18.8	86.8	22.2
FUNK'S G4747W	103.7	113.6	123.6	18.8	85.9	14.0
ZIMMERMAN Z11W	81.6	89.2	122.3	18.6	85.5	15.5
GOLDEN HARVEST H2660W	92.4	104.0	115.5	18.8	68.8	9.8
PRINCETON SX 910	86.0	91.6	101.6	19.4	74.4	12.0
SO. STATES SS950W		103.5	95.2	19.4	77.4	12.0
DEKALB XL390A	89.8	99.2	94.2	18.1	76.9	10.6
WHITE AVERAGE	91.7	100.3	117.0	18.8	81.0	13.2
GRAND AVERAGE	95.2	101.1	120.7	17.4	82.3	10.9

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1977 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
PIIONEER BRAND 3184		172.0	169.3	21.2	94.8	22.0
COKER 18		171.8	165.3	18.9	91.4	36.0
TROJAN TXS 115A	153.9	157.1	160.6	19.1	95.7	17.4
FUNK'S G4636			158.0	19.2	91.9	20.7
COLBERT 315			157.0	17.6	95.2	24.5
GOLDEN HARVEST H2775			153.7	19.6	85.7	26.8
PIIONEER BRAND 3368A	152.4	155.6	151.9	18.5	93.8	18.8
MIGRO M-7072	159.2	156.2	150.4	19.2	96.2	22.4
NORTHRUP-KING PX675		155.1	148.4	17.8	90.5	18.6
PIIONEER BRAND 3334A			148.3	19.8	89.0	15.1
DENNIS 37	163.4	163.5	147.6	17.5	87.6	18.5
SO. STATES SS775	155.9	153.6	147.3	18.5	95.7	20.5
COLBERT 310			146.7	18.4	95.7	46.4
ACCO UC 9792			146.5	20.5	87.1	21.7
PICNEER BRAND 3161	154.1	155.5	145.5	19.2	87.6	38.9
ZIMMERMAN Z24Y	157.8	157.4	144.1	18.8	94.3	38.4
BO-JAC X56			143.8	18.1	89.0	36.9
COKER 16	151.5	150.9	143.5	19.0	90.0	21.7
BO-JAC X923			142.5	19.9	92.4	22.1
HOBLOT XR441A			142.4	18.9	92.4	27.8
HULTING X980	156.6	155.4	142.4	19.5	85.7	37.0
SUPER CROST 5440	154.6	150.6	142.2	18.8	89.5	39.5
TROJAN TXS 114	153.4	151.8	141.5	18.3	85.7	44.6
S S HYBRIDS 6400			141.4	17.6	90.0	15.7
DEKALB XL72AA		157.6	141.0	19.2	91.4	53.7
ACCO UC 8951			140.8	19.0	90.0	66.0
GOLDEN HARVEST H2650		146.9	139.7	18.8	82.9	21.7
HULTING X880	152.8	149.7	139.7	18.5	91.0	27.7
PREMIER 655			137.6	18.1	84.3	13.5
PICNEER BRAND 3369A	150.6	153.3	137.3	19.0	88.1	33.4
ADLERS 62X			137.3	19.0	92.9	53.6
GOLDEN ACRES T-E 6995			137.1	18.0	91.4	30.0
GUTWEIN 72			136.7	18.4	92.4	11.1
DENNIS 69			135.9	19.9	97.1	63.1
COKER 22			135.5	19.7	87.6	16.7
BO-JAC X83	154.1	151.4	135.2	19.3	79.0	16.0
GUTWEIN 86	151.5	152.2	134.8	18.7	94.3	26.2
WILSTAR 6663		152.4	134.6	19.8	81.0	47.1
DENNIS 31			132.9	18.4	84.3	43.0
ZIMMERMAN Z20Y			132.6	19.2	91.9	47.6
NORTHRUP-KING PX76			132.3	18.1	90.5	20.8
STEWART SX 70			132.1	19.3	83.8	59.8
SO. STATES SS727		147.5	131.1	18.9	94.8	52.3
SO. STATES SS730P			131.0	20.0	85.7	40.6
GOLDEN ACRES T-E 6980			130.7	18.9	83.3	22.3
PREMIER SX633		157.4	130.0	18.1	85.7	31.7
GOLDEN HARVEST H2666	145.8	144.6	129.8	19.3	91.9	33.9
TROJAN T1120			129.6	17.8	91.4	16.3
TROJAN TXS 119		146.0	129.6	19.5	88.1	33.5
MIGRO M-0701EP			129.3	17.7	91.4	34.0
GOLDEN ACRES T-E 6968	141.9	138.6	128.9	18.7	92.9	31.1
SECURITY S711			128.3	18.5	88.1	35.0
TROJAN TX 119A			127.7	19.2	92.4	42.7
RING AROUND RA1502			127.7	18.6	87.1	32.6
ADLERS 87X	151.2	141.7	127.4	19.2	86.2	36.9
MUNCY CHIEF SX878	136.4	138.3	127.3	20.6	86.2	59.3
SUPER CROST 6800			127.1	18.2	90.5	42.7
RUFF'S R334			126.7	18.7	85.2	23.8
SEED KEM SKX-76		133.6	126.6	19.0	91.9	46.1

(continued)

TABLE 8 (continued)

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1977 RESULTS			
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
MIGRO M-0505			126.2	18.9	93.8	47.8
SO. STATES SS795			125.7	18.7	89.5	60.8
STEWART SX 77		146.4	125.5	18.4	89.0	21.5
O'S GOLD SX5500		124.6	124.9	18.9	86.7	36.2
NORTHRUP-KING PX79	152.1	142.3	124.7	18.4	92.9	34.3
MUNCY CHIEF SX808B		138.9	124.4	19.5	80.0	29.5
WILSTAR 7771			124.2	19.4	91.9	30.0
DEKALB XL80	146.5	141.4	124.2	19.0	92.9	22.9
DEKALB XL72B	141.0	136.6	123.5	18.1	78.1	25.8
P-A-G 314			123.5	18.0	78.1	44.8
FUNK'S G4848		150.1	122.2	21.6	84.3	42.4
ASGROW RX 101			122.2	19.0	90.5	35.2
DEKALB XL75A			122.1	19.1	86.2	18.3
MUNCY CHIEF SX777			122.0	18.4	72.4	29.2
PRINCETON SX 840			121.8	18.6	85.2	16.4
VORIS SEEDS V2642	144.5	139.7	121.3	19.5	89.0	59.7
ASGROW RX 90		144.5	121.1	19.3	89.5	66.7
GUTWEIN 62A			121.0	18.7	88.1	38.6
MCNAIR X194		145.5	120.8	19.2	77.6	23.2
HULTING X770			120.2	18.4	89.5	46.1
BO-JAC X56B			120.2	19.5	87.1	43.2
HULTING X8800			119.0	19.1	75.2	60.3
S S HYBRIDS 86	147.8	142.1	118.8	19.0	83.3	31.1
P-A-G SX 17A		146.0	117.6	18.4	87.6	63.5
MASON 8869	135.6	132.1	116.2	20.2	85.2	36.0
S S HYBRIDS 5100			115.2	18.8	90.0	62.7
DEKALB XL78	142.8	139.2	115.0	18.5	93.8	35.8
SECURITY SS112		150.4	114.7	18.5	64.3	49.6
VORIS SEEDS V2532	150.6	144.6	113.5	18.7	91.4	60.2
FUNK'S G4520		142.9	112.3	18.9	87.6	47.3
NORTHRUP-KING PX74	140.6	141.6	111.8	19.0	92.9	58.5
P-A-G SX 98	143.8	137.9	111.5	18.2	74.3	49.6
SEED KEM SKX-86	137.2	132.1	110.9	18.2	92.4	25.4
KENTUCKY 105			110.6	20.7	91.9	71.2
FUNK'S G4574			110.5	18.7	92.9	48.1
PREMIER 688		136.6	109.9	20.3	80.5	63.0
SEED KEM SKX98			108.6	19.9	86.2	46.9
RING AROUND RA1501			107.3	18.3	91.0	52.6
RUFF'S R287			101.1	19.0	80.5	31.8
P-A-G 357			97.9	18.7	90.0	50.5
FUNK'S G4507	136.9	128.5	92.1	18.6	91.0	66.7
FUNK'S G4628	129.4	119.9	83.8	19.3	75.7	45.1
YELLOW AVERAGE	148.3	146.6	129.7	18.9	88.2	37.1
WHITE						
ZIMMERMAN Z19W			154.0	18.0	87.6	44.2
ZIMMERMAN Z52W	163.0	159.4	153.9	19.1	93.3	44.9
GOLDEN HARVEST H2660W	146.4	150.4	151.5	20.1	77.1	48.2
SO. STATES SS950W		157.5	147.0	19.1	87.6	37.0
PRINCETON SX 910	149.4	151.2	129.1	20.1	88.6	47.7
FUNK'S G4747W	143.3	142.9	123.7	20.2	87.6	58.1
ZIMMERMAN Z11W	144.8	140.1	116.9	20.2	93.8	56.9
PIONEER BRAND 511A	132.4	129.7	111.6	20.5	91.9	42.0
DEKALB XL390A	143.2	135.7	100.1	19.9	81.4	60.8
WHITE AVERAGE	146.1	147.1	132.0	19.7	87.7	48.9
GRAND AVERAGE	147.9	146.6	129.9	19.0	88.1	38.1

TABLE 9.—ANNUAL SUMMARY, NORMAL POPULATION,
ALL NON-VIRUS LOCATIONS, 1977

HYBRID	1977 RESULTS			
	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
STEWART SX 77	155.4	18.1	90.0	27.0
PIONEER BRAND 3184	152.0	19.1	91.2	20.3
PICNEER BRAND 3369A	149.9	17.6	87.3	32.2
COLBERT 310	149.5	17.6	88.3	39.7
HOBBLIT XR441A	148.4	18.2	88.8	29.6
COKER 22	144.5	18.6	91.7	25.3
S S HYBRIDS 5100	143.5	17.3	84.7	35.9
S S HYBRIDS 6400	142.6	17.1	81.8	24.2
DENNIS 37	141.1	17.4	87.5	36.9
ZIMMERMAN Z24Y	141.0	18.1	92.2	33.9
RING AROUND RA1502	140.9	18.2	85.6	33.4
MIGRO M-7072	140.2	17.7	90.7	31.0
PICNEER BRAND 3161	140.1	18.1	87.1	29.1
ACCO UC 9792	139.6	18.8	87.3	29.9
VORIS SEEDS V2642	139.3	18.0	87.0	40.8
ZIMMERMAN Z20Y	139.1	18.5	90.5	41.8
COKER 16	138.3	17.6	87.6	22.0
TROJAN TXS 119	138.2	18.4	84.8	36.5
FUNK'S G4848	137.6	20.6	87.9	29.6
PIONEER BRAND 3368A	137.4	17.9	87.7	28.8
S S HYBRIDS 86	137.0	17.9	84.9	32.2
SECURITY S711	136.8	17.2	86.6	34.4
ADLERS 87X	136.3	18.0	87.0	32.6
BO-JAC X923	136.3	18.5	89.1	33.0
ACCO UC 8951	136.2	18.5	88.5	41.4
SUPER CROST 6800	135.9	17.5	86.1	39.0
WILSTAR 7771	135.9	17.8	87.2	26.0
GUTWEIN 72	135.9	18.1	89.2	32.8
FUNK'S G4636	135.3	18.5	87.2	26.1
ADLERS 62X	135.1	17.8	91.1	36.3
BO-JAC X83	135.1	18.1	82.8	28.4
DEKALB XL80	134.4	18.2	89.3	23.7
NORTHRUP-KING PX79	134.1	17.4	89.8	36.3
COLBERT 315	133.3	17.4	90.5	29.8
DENNIS 31	133.2	17.7	82.5	52.1
GOLDEN HARVEST H2775	132.7	19.4	84.8	24.2
HULTING X980	132.7	18.7	83.2	33.6
GOLDEN ACRES T-E 6995	132.1	17.1	86.9	37.5
SO. STATES SS775	132.1	17.6	89.1	25.5
MIGRO M-0505	131.9	17.6	88.3	41.0
SEED KEM SKX-76	131.8	17.6	87.4	36.0
VORIS SEEDS V2532	131.8	17.5	88.9	46.9
SO. STATES SS727	131.4	17.7	90.4	39.0
TROJAN TXS 115A	131.3	17.8	88.5	35.5
FUNK'S G4574	131.3	17.7	89.4	43.6
BO-JAC X56	131.0	17.5	86.0	40.0
TROJAN TXS 114	130.9	17.8	86.7	38.6
NORTHRUP-KING PX675	130.8	17.3	86.1	35.7
HULTING X880	130.4	17.9	85.1	37.0
NORTHRUP-KING PX74	129.6	17.8	88.2	47.5
TROJAN T1120	129.5	17.3	90.7	24.5
FUNK'S G4520	129.4	17.8	87.9	33.0
RUFF'S R334	129.2	17.8	86.3	37.2
STEWART SX 70	129.0	18.0	80.5	40.3
PREMIER 655	128.9	17.2	83.3	27.6
P-A-G SX 17A	128.8	17.7	84.2	53.2
SUPER CROST 5440	128.1	17.2	87.3	32.0
BO-JAC X56B	128.1	17.7	82.9	37.5
PRINCETON SX 840	128.0	18.1	87.1	18.2

(continued)

TABLE 9 (continued)

HYBRID	1977 RESULTS			
	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW				
DENNIS 69	127.9	18.1	88.9	46.9
DEKALB XL72B	127.8	17.1	77.6	22.4
PREMIER 688	127.7	18.2	81.2	38.8
WILSTAR 6663	127.0	18.0	79.2	41.2
MCNAIR X194	126.4	17.9	79.9	35.2
FUNK'S G4507	126.4	17.9	88.9	49.3
DEKALB XL78	126.2	18.2	91.6	28.7
GOLDEN HARVEST H2666	126.0	18.0	84.5	37.8
COKER 18	125.2	18.9	90.1	41.0
ASGROW RX 90	125.2	17.5	86.4	45.0
MUNCY CHIEF SX808B	123.7	18.3	82.2	35.1
GOLDEN ACRES T-E 6968	123.4	17.7	87.5	21.8
GUTWEIN 86	122.3	17.3	88.5	30.9
DEKALB XL72AA	122.1	17.9	86.1	42.5
TROJAN TX 119A	122.0	17.5	89.8	31.7
NORTHRUP-KING PX76	120.4	17.7	87.2	26.8
GUTWEIN 62A	120.4	18.1	86.3	37.0
SEED KEM SKX-86	120.1	17.6	88.8	26.8
O'S GOLD SX5500	120.1	18.1	84.2	38.3
SO. STATES SS730P	119.6	17.6	84.7	36.4
MIGRO M-0701EP	119.0	17.1	86.2	37.0
ASGROW RX 101	118.2	17.8	85.5	34.6
HULTING X770	118.1	16.9	81.4	41.7
PIONEER BRAND 3334A	117.7	18.2	83.1	31.1
RING AROUND RA1501	117.6	17.5	85.6	36.4
P-A-G SX 98	117.1	18.0	77.1	35.2
SO. STATES SS795	116.9	17.8	85.4	43.7
MASON 8869	116.7	18.9	81.3	31.9
DEKALB XL75A	116.6	18.1	84.4	36.4
RUFF'S R287	115.6	18.0	80.2	36.6
MUNCY CHIEF SX878	115.1	18.3	83.2	45.4
PREMIER SX633	115.0	17.4	81.6	38.9
GOLDEN ACRES T-E 6980	114.8	18.3	79.2	30.1
GOLDEN HARVEST H2650	114.2	18.4	82.3	42.9
KENTUCKY 105	111.5	18.5	91.8	50.2
SEED KEM SKX98	110.9	18.3	82.9	35.8
P-A-G 357	109.0	17.6	86.4	51.2
P-A-G 314	107.6	17.3	75.2	37.3
HULTING X8800	107.0	18.2	74.3	42.5
FUNK'S G4628	103.0	17.9	73.1	42.4
MUNCY CHIEF SX777	97.4	17.3	71.8	35.1
SECURITY SS112	94.6	17.0	57.1	33.7
YELLOW AVERAGE	128.5	17.9	85.5	35.2
WHITE				
ZIMMERMAN Z52W	138.8	19.0	88.7	38.5
ZIMMERMAN Z11W	126.4	19.3	88.4	45.8
PRINCETON SX 910	125.4	19.1	87.0	39.8
SO. STATES SS950W	125.4	18.5	83.2	37.2
ZIMMERMAN Z19W	124.6	18.5	86.7	42.4
GOLDEN HARVEST H2660W	119.9	18.8	70.2	36.5
FUNK'S G4747W	117.8	19.3	85.8	41.8
PIONEER BRAND 511A	112.2	19.2	91.4	49.8
DEKALB XL390A	107.1	19.0	81.7	37.6
WHITE AVERAGE	122.0	19.0	84.8	41.1
GRAND AVERAGE	127.9	18.0	85.4	35.7

TABLE 10.—TWO-YEAR SUMMARY, NORMAL POPULATION, IN ALL NON-VIRUS LOCATIONS, 1977

HYBR ID	YIELD BU/AC	AVG % MOIST	AVG % TOTAL % STAND	LODGED
YELLOW				
PIONEER BRAND 3184	160.6	20.3	88.8	10.7
DENNIS 37	160.3	18.6	89.6	19.0
STEWART SX 77	158.5	19.2	84.1	14.6
ZIMMERMAN Z24Y	157.6	19.1	93.7	19.8
PIONEER BRAND 3369A	156.4	18.7	86.1	20.5
VORIS SEEDS V2532	154.0	18.7	91.0	23.0
FUNK'S G4848	153.9	22.7	85.2	16.1
P-A-G SX 17A	152.6	18.6	88.0	28.1
FUNK'S G4520	152.1	18.9	88.2	17.0
MIGRO M-7072	152.0	19.1	92.0	17.3
SO. STATES SS727	152.0	19.0	91.2	19.9
NORTHRUP-KING PX79	151.5	18.5	90.7	18.0
PIONEER BRAND 3161	150.9	20.0	89.3	16.6
NORTHRUP-KING PX74	150.4	18.6	89.8	24.7
COKER 16	149.7	18.7	87.9	12.8
BO-JAC X83	149.1	18.9	86.7	16.0
S S HYBRIDS 86	148.7	19.0	88.9	17.8
HULTING X980	148.1	20.0	88.8	22.0
HULTING X880	148.0	19.3	85.1	21.4
PIONEER BRAND 3368A	147.9	19.0	89.9	20.4
PREMIER SX633	147.8	18.6	86.3	20.2
ASGROW RX 90	147.7	18.7	88.6	22.7
TROJAN TXS 119	147.3	19.8	86.1	22.6
SO. STATES SS775	146.7	18.6	90.9	14.3
TROJAN TXS 114	146.3	18.7	85.1	19.9
NORTHRUP-KING PX675	146.0	18.2	88.4	18.5
FUNK'S G4507	145.7	18.9	89.3	25.1
WILSTAR 6663	145.5	19.0	84.5	23.4
SUPER CROST 5440	144.9	18.3	86.1	17.4
ADLERS 87X	144.5	19.5	87.7	19.1
GOLDEN HARVEST H2666	143.8	19.6	86.6	20.2
VORIS SEEDS V2642	143.7	19.6	87.1	25.3
MCNAIR X194	143.3	19.4	85.3	19.6
DEKALB XL72AA	143.1	18.5	86.9	21.5
DEKALB XL78	141.8	19.5	91.8	16.5
DEKALB XL80	140.6	19.9	83.6	14.0
GUTWEIN 86	140.4	18.2	90.4	19.9
GOLDEN ACRES T-E 6968	140.4	18.9	91.5	12.6
COKER 18	140.0	20.2	89.6	23.8
TROJAN TXS 115A	139.6	18.9	84.8	19.4
SEED KEM SKX-86	139.4	18.8	90.6	14.9
PREMIER 688	138.7	19.9	83.2	22.3
DEKALB XL72B	137.1	18.6	78.3	12.4
SECURITY SS112	137.1	18.5	73.7	16.7
MUNCY CHIEF SX808B	134.9	19.8	85.9	19.4
MASON 8869	133.3	19.4	84.7	17.8
SEED KEM SKX-76	133.2	18.7	86.8	20.7
P-A-G SX 98	132.1	19.5	79.7	20.5
GOLDEN HARVEST H2650	129.5	19.9	82.0	24.4
MUNCY CHIEF SX878	126.6	19.9	83.2	29.5
FUNK'S G4628	122.6	19.5	77.8	24.8
C'S GOLD SX550C	118.6	19.5	77.4	23.0
YELLOW AVERAGE	144.5	19.2	86.7	19.6
WHITE				
ZIMMERMAN Z52W	157.1	21.2	90.3	20.6
ZIMMERMAN Z11W	153.4	21.6	91.5	24.6
SO. STATES SS950W	153.3	21.0	87.7	20.8
PRINCETON SX 910	146.8	21.6	85.7	21.3
FUNK'S G4747W	146.4	21.3	89.7	24.5
GOLDEN HARVEST H2660W	144.3	21.2	78.5	21.1
DEKALB XL390A	137.9	20.5	81.8	21.1
PIONEER BRAND 511A	135.5	21.5	89.4	31.7
WHITE AVERAGE	146.8	21.2	86.7	23.2
GRAND AVERAGE	144.9	19.5	86.7	20.1

TABLE 11.—THREE-YEAR SUMMARY, NORMAL POPULATION,
1975-1976 AND 1977 ALL NON-VIRUS LOCATIONS.

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % TOTAL % STAND	TOTAL % LODGED
YELLOW				
DENNIS 37	153.6	18.8	88.2	15.2
ZIMMERMAN Z24Y	152.5	19.0	91.5	15.0
PIONEER BRAND 3369A	152.1	19.1	85.7	15.1
VORIS SEEDS V2532	149.4	18.8	88.8	17.1
MIGRO M-7072	149.2	19.4	89.9	13.6
NORTHROP-KING PX79	147.8	18.6	89.6	14.0
BO-JAC X83	145.9	19.3	85.6	12.1
HULTING X880	145.2	19.3	84.9	16.4
PIONEER BRAND 3161	144.9	20.0	87.6	13.6
PIONEER BRAND 3368A	143.9	19.4	85.8	15.0
S S HYBRIDS 86	143.8	19.4	88.1	14.4
HULTING X980	142.1	20.3	86.4	16.2
NORTHROP-KING PX74	142.1	18.5	86.4	18.0
FUNK'S G4507	141.9	18.9	88.7	18.9
COKER 16	141.9	19.0	86.9	10.4
SUPER CRCST 5440	141.1	18.5	86.9	13.3
SO. STATES SS775	140.4	19.1	88.8	11.6
ADLERS 87X	140.4	19.9	87.3	14.9
VORIS SEEDS V2642	140.2	19.9	86.5	18.0
GOLDEN HARVEST H2666	138.2	19.8	85.6	15.4
DEKALB XL78	138.0	20.0	90.0	13.1
GUTWEIN 86	136.3	18.6	87.9	17.4
TRCJAN TXS 114	134.1	18.8	84.2	17.9
DEKALB XL80	134.0	20.1	83.9	14.1
GOLDEN ACRES T-E 6968	133.5	19.1	88.4	11.1
TROJAN TXS 115A	132.6	18.8	81.8	14.8
SEED KEM SKX-86	132.5	19.3	88.1	11.5
P-A-G SX 98	131.8	19.9	80.3	15.2
DEKALB XL72B	130.9	19.1	77.2	10.1
MASON 8869	125.1	19.9	82.9	13.3
FUNK'S G4628	122.5	19.9	79.0	19.0
MUNCY CHIEF SX878	119.3	20.3	79.0	24.1
YELLOW AVERAGE	139.6	19.3	86.0	15.0
WHITE				
ZIMMERMAN Z52W	150.5	21.6	88.6	16.8
ZIMMERMAN Z11W	146.3	21.7	89.6	19.5
FUNK'S G4747W	144.1	21.7	88.2	19.0
PRINCETON SX 910	142.5	21.9	84.4	16.7
GOLDEN HARVEST H2660W	139.1	21.5	79.6	16.9
PIONEER BRAND 511A	131.0	21.8	88.2	26.8
DEKALB XL390A	130.2	20.8	77.7	16.0
WHITE AVERAGE	140.5	21.6	85.2	18.8
GRAND AVERAGE	139.8	19.7	85.8	15.7

TABLE 12.—ANNUAL SUMMARY, EARLY HYBRIDS, PRINCETON, KY.

HYBRID	YIELD BU/AC	AVG % MOIST	TOTAL % LODGED
PIONEER BRAND 3535	166.4	16.9	40.5
DEKALB XL43A	166.0	17.1	43.8
BO-JAC X36	160.0	16.7	47.2
STEWART S 349	156.0	17.9	65.3
STEWART SX 54	153.5	18.0	18.0
FUNK'S G4449	148.8	17.4	64.8
PIONEER BRAND 3780	145.6	16.3	65.5
NORTHROP-KING PX65	142.3	16.9	64.8
COLBERT C43	142.2	17.3	70.8
BO-JAC X193	139.7	16.8	68.3
SO. STATES SS522	134.7	17.0	83.9
FUNK'S G4321A	134.6	17.1	70.4
ADLERS 28X	131.1	17.2	81.9
ASGROW RX60	123.2	17.5	71.3
MIGRO M-0301	119.2	17.4	83.5
MIGRO M-2022X	117.6	17.4	81.2
PUFF'S R122	114.0	17.7	48.2
P-A-G SX297	114.0	17.1	73.8
VORIS 2422	113.0	17.6	96.5
GOLDEN HARVEST H2500	111.1	17.2	72.9
STEWART SX 3734	110.3	17.6	70.3
TRCJAN TXS 105A	109.1	17.2	77.7
SUPER CRCST 2350	104.6	16.5	54.1
NORTHROP-KING PX46	97.8	17.0	50.6
ASGROW RX2345	97.4	17.5	55.7
SO. STATES SS450	86.7	17.7	80.8
GRAND AVERAGE	128.4	17.2	67.0

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

HYBRID	AVERAGE YIELD		YIELD BU/AC	AVG % TOTAL %	
	3-YR	2-YR		MOIST	LOGGED
YELLOW					
FUNK'S G4520		165.0	184.4	18.2	30.8
HULTING X880		185.2	181.1	17.3	54.6
DEKALB XL78	167.1	168.5	179.0	18.0	33.3
MASON 7766	135.7	159.2	172.9	18.0	34.0
TROJAN TXS 113	136.8	164.1	167.9	18.7	18.0
SECURITY SS115		155.1	167.1	17.4	20.2
MIGRO M-7072		156.1	165.3	17.6	54.3
PREMIER 64L-1		155.0	165.0	18.1	22.1
DEKALB XL72B	145.2	162.3	162.0	18.7	21.7
RING AROUND RA1502		172.1	161.8	18.2	25.3
FUNK'S G4525		153.4	161.4	18.1	36.7
BO-JAC X622A		165.4	161.0	19.2	53.2
ADLERS 62X	141.2	163.0	159.5	18.2	42.1
SUPER CROST S67		148.6	158.8	18.1	27.7
ACCO UC 8951			158.4	18.4	61.9
BO-JAC X57		161.8	157.7	17.7	54.7
MIGRO M-7074		171.2	157.7	18.2	19.9
FUNK'S G4507		158.4	154.7	17.8	70.5
DEKALB XL65A		147.0	153.1	17.9	30.8
GOLDEN ACRES T-E 6968		152.5	151.0	17.9	29.3
MIGRO M-EXP-3416		170.8	150.8	18.5	38.0
HULTING X980	138.5	157.7	150.0	18.0	43.0
MUNCY CHIEF H764	121.2	139.9	149.7	18.1	42.6
COKER 16	132.0	150.9	148.4	17.7	27.7
SEED KEM SKX-86	130.5	154.4	147.0	17.1	26.1
SEED KEM SKX-66	126.7	143.3	144.7	17.9	41.1
FUNK'S G4776		150.8	142.5	18.9	22.2
SUPER CROST 6880		148.6	142.1	17.8	45.5
PIONEER BRAND 3535	129.8	148.5	141.0	17.4	28.1
ASGROW RX 100	139.2	156.1	140.6	18.2	26.2
NORTHROP-KING PX76	127.4	146.1	140.3	17.5	30.5
BO-JAC X56	142.1	157.0	139.8	17.7	64.3
PIONEER BRAND 3369A		150.4	139.6	17.8	38.8
HULTING X770	115.5	144.0	138.8	17.3	56.4
GOLDEN ACRES T-E 6992		152.6	138.4	18.6	60.7
PREMIER 695-1		161.5	135.4	19.0	13.7
TRCJAN TXS 115A	136.6	152.4	134.6	17.7	62.0
WILSTAR 7770		143.1	132.7	18.0	26.8
PIONEER BRAND 3145		151.6	132.5	19.6	17.2
BO-JAC X7L	138.1	151.4	131.2	18.7	57.8
FUNK'S G4737		151.0	130.9	19.0	65.9
MIGRO M-0601		151.0	129.7	19.0	34.7
STEWART SX 77		153.7	126.5	18.0	48.3
ACCO UC 9451	116.8	141.5	125.3	18.9	59.3
MIGRO M-6666		137.5	119.5	17.8	33.1
HULTING X990		134.4	119.1	17.9	56.7
SUPER CROST S85	122.3	135.6	118.0	19.0	61.3
GOLDEN HARVEST H2666		132.0	118.0	19.0	51.6
PIONEER BRAND 3147		143.7	117.3	19.0	40.5
P-A-G SX 98			116.0	18.0	39.6
NORTHROP-KING PX74	133.7	145.2	114.5	17.6	67.6
TROJAN TXS 114	133.6	148.7	113.8	17.5	31.4
NORTHROP-KING PX65	113.4	129.3	112.3	17.4	55.6
GOLDEN HARVEST H2650		146.2	112.0	18.1	65.6
ZIMMERMAN Z24Y		139.2	110.9	18.1	45.2
KENTUCKY 105		135.7	110.8	18.8	55.5
SUPER CROST 7772	116.4	123.9	109.7	19.1	60.1
TROJAN TX 119A		139.2	109.5	17.8	38.6
DEKALB XL72AA		137.8	106.9	19.2	62.0
NORTHROP-KING PX675		121.7	102.4	18.1	51.8
NORTHROP-KING PX79	123.9	134.2	101.0	18.1	48.5
RING AROUND RA3502		128.1	100.4	18.4	59.6
YELLOW AVERAGE					
	132.5	150.1	139.1	18.2	42.6
WHITE					
FR 802W X CI66			128.7	19.1	51.0
KENTUCKY 5921W			97.1	18.0	61.7
WHITE AVERAGE					
			112.9	18.5	56.4
GRAND AVERAGE					
	132.5	150.1	138.3	18.2	43.0

TABLE 14.—CORN VIRUS TEST, NORMAL POPULATION, HENDERSON, KY., 1977

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	VIRUS RATING
YELLOW					
PICNEER BRAND 3147	129.4	19.9	80.5	15.7	0.7
FUNK'S EXP 27970	115.8	20.6	74.8	14.1	0.3
FUNK'S G4848	108.7	20.9	89.0	6.4	0.3
ASGROW RX 115A	108.1	18.5	80.0	12.8	1.0
DEKALB XL394	107.3	20.3	90.5	11.1	0.3
FUNK'S EXP 28189	104.8	20.9	87.1	15.5	0.7
FUNK'S G4525	101.9	16.9	88.1	18.1	0.3
SECURITY SS125	101.1	22.4	73.8	19.6	1.0
FUNK'S EXP 28236	97.6	20.5	86.7	8.8	0.7
PICNEER BRAND 3364	96.0	17.8	71.0	10.9	0.3
KENTUCKY 105	95.1	17.9	86.7	35.1	1.0
PICNEER BRAND 3179	94.8	18.9	79.0	22.6	0.7
ACCO UC 8951	92.9	19.7	74.8	24.2	1.0
BO-JAC X83	90.7	17.8	81.9	21.8	1.3
MUNCY CHIEF MDM702	89.9	19.1	84.0	18.0	1.0
NORTHRUP-KING PX95	89.4	17.5	75.7	11.9	1.0
NORTHRUP-KING PX737	89.1	19.0	72.4	42.3	1.0
SEED KEM SKX-68	85.4	16.3	81.9	35.9	0.0
SECURITY SS120A	84.1	19.0	86.7	18.8	0.7
VIRUS-SUSCEPTIBLE CHECK	83.0	18.9	72.7	24.9	1.3
BO-JAC X69	82.9	17.0	81.0	16.7	0.7
BO-JAC X923	82.4	18.2	83.8	28.5	1.0
SO. STATES SS760	82.1	19.3	78.6	13.5	0.7
RUFF'S MDM R434	82.0	17.1	78.1	22.1	1.0
FUNK'S G4776	81.7	19.3	74.8	15.9	0.7
PICNEER BRAND 3145	81.1	19.9	83.3	10.3	0.7
STEWART S3276	80.6	19.9	74.3	16.6	0.3
MIGRO M-600A	80.5	17.7	74.8	32.4	1.0
GOLDEN ACRES T-E 6947	80.4	19.5	87.6	16.7	1.0
ACCO UC 9792	79.5	19.4	76.7	18.4	1.0
TRCJAN MDM 116	78.2	18.7	84.8	28.4	0.3
MUNCY CHIEF MDM803	77.1	18.0	84.8	22.7	1.3
HULTING EXP 74174	75.5	18.2	81.0	20.2	1.0
P-A-G SX 17A	72.8	18.6	68.6	46.8	1.0
FUNK'S EXP 27792	72.6	21.0	68.6	40.4	0.7
KAES VIRUS SYN (YELLOW)	72.0	19.2	82.9	36.7	1.0
VORIS SEEDS V2502	70.6	18.8	74.3	18.0	0.7
DEKALB XL72B	70.0	18.3	72.9	16.0	0.7
NORTHRUP-KING PX715	69.4	19.0	80.0	21.3	0.7
WILSTAR 9990	69.3	19.1	76.7	30.2	1.0
RING AROUND RA3602	69.1	19.7	86.2	23.8	1.0
PREMIER 633A	68.6	17.7	71.0	24.6	1.3
RING AROUND RA 2601	68.4	22.3	75.7	30.2	1.0
MIGRO M-5045	67.7	16.4	83.3	21.7	1.0
NORTHRUP-KING PX91	67.0	18.2	87.1	17.6	0.7
P-A-G EXP 246006	66.9	17.8	78.1	29.6	1.0
HULTING X990	59.8	17.3	72.4	18.6	1.0
PRINCETON SX 840	57.3	19.6	71.4	34.5	2.0
WILSTAR 9997	57.2	21.1	60.5	30.3	1.7
S S HYBRIDS 6400	42.2	19.0	52.4	40.7	2.0
YELLOW AVERAGE	82.6	19.0	78.2	22.7	0.9
WHITE					
ZIMMERMAN Z11W	110.6	19.7	91.4	7.1	0.3
PRINCETON SX 910	95.7	19.0	90.5	15.3	0.7
SEED KEM SK-71AW	92.1	19.4	84.8	12.4	0.3
SEED KEM SK72AW	89.3	19.3	87.1	12.1	0.7
SO. STATES SS950W	86.5	20.2	76.2	21.9	1.0
STURDY GROW SG957W	85.3	18.1	80.0	11.9	0.7
STURDY GROW SG937W	82.9	19.3	85.2	10.7	0.7
RING AROUND RA2602W	82.7	19.5	66.7	21.9	1.0
FUNK'S G4747W	79.0	20.8	77.6	9.8	0.7
ZIMMERMAN Z52W	77.0	20.0	81.4	18.7	1.0
KAES VIRUS SYN (WHITE)	68.7	19.1	92.4	21.5	0.3
KENTUCKY 5921W	65.8	18.2	76.7	32.7	0.7
WHITE AVERAGE	84.6	19.4	82.5	16.3	0.7
GRAND AVERAGE	83.0	19.0	79.0	21.5	0.8

TABLE 15.—CORN VIRUS TEST, NORMAL POPULATION, HODGENVILLE, KY., 1977

HYBRID	3-YR	2-YR	1977 RESULTS			
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LOGGED
YELLOW						
RING AROUND RA 2601			169.1	22.5	92.9	23.1
PICNEER BRAND 3147			156.0	19.6	78.6	33.9
NORTHRUP-KING PX715			151.0	19.7	83.8	24.4
FUNK'S G4848			149.9	22.7	93.8	9.1
ACCO UC 9792			147.8	21.1	75.7	33.6
NORTHRUP-KING PX95			145.2	20.0	87.1	34.1
NORTHRUP-KING PX91			144.5	18.6	88.1	27.1
FUNK'S EXP 28236			139.0	19.9	87.6	32.4
DEKALB XL394			134.7	20.2	91.9	23.8
PICNEER BRAND 3364			133.4	19.1	90.0	33.0
BO-JAC X69			132.4	17.3	87.6	20.2
SECURITY SS120A			128.3	19.2	86.7	25.4
SEED KEM SKX-68			127.7	18.6	87.6	7.1
FUNK'S EXP 28189			127.5	21.2	90.0	39.7
FUNK'S G4776			127.3	20.8	80.0	13.3
WILSTAR 9990			126.1	20.4	81.9	35.2
VIRUS-SUSCEPTIBLE CHECK			126.1	18.4	85.6	21.5
HULTING X990			124.5	17.8	78.6	38.1
SECURITY SS125			124.1	22.8	79.0	19.1
ASGROW RX 115A			123.1	18.4	86.2	40.0
KENTUCKY 105			122.2	19.0	82.4	35.9
BO-JAC X83			121.2	19.5	78.1	26.8
ACCO UC 8951			120.5	18.9	88.6	18.4
WILSTAR 9997			120.4	22.5	75.2	34.6
PRINCETON SX 840			119.0	19.2	82.9	17.3
S S HYBRIDS 6400			118.8	17.0	70.0	6.8
HULTING EXP 74174			118.7	19.3	80.0	35.7
GOLDEN ACRES T-E 6947			117.5	20.1	87.1	32.9
RING AROUND RA3602			116.3	19.7	89.0	25.8
PICNEER BRAND 3145			115.3	19.6	81.0	16.4
BO-JAC X923			113.9	17.9	83.3	23.5
STEWART S3276			113.8	18.6	84.3	25.1
SO. STATES SS760			113.1	17.7	88.1	23.3
FUNK'S EXP 27970			112.4	23.1	74.3	25.6
MUNCY CHIEF MDM702			110.4	19.7	78.6	29.5
P-A-G EXP 246006			109.7	18.0	78.6	15.7
DEKALB XL72B			107.5	18.8	73.8	16.6
RUFF'S MDM R434			107.4	17.9	85.7	31.3
MIGRC M-5045			107.2	17.9	83.8	19.6
VORIS SEEDS V2502			104.2	18.0	85.2	20.7
NORTHRUP-KING PX737			103.9	20.4	82.4	33.5
MIGRC M-600A			103.5	18.7	84.3	21.7
PICNEER BRAND 3179			95.8	19.1	76.7	44.4
P-A-G SX 17A			95.8	19.6	76.7	25.6
PREMIER 633A			95.4	18.6	80.0	25.5
MUNCY CHIEF MDM803			95.2	18.1	79.5	29.2
FUNK'S G4525			91.4	17.2	88.6	54.1
TRCJAN MDM 116			89.8	18.6	86.2	25.0
FUNK'S EXP 27792			78.8	21.4	78.1	46.6
KAES VIRUS SYN (YELLOW)			71.2	19.2	69.5	67.2
YELLOW AVERAGE			119.2	19.4	83.0	27.5
WHITE						
ZIMMERMAN Z52W			143.5	19.4	80.0	36.5
SEED KEM SK72AW			134.9	20.0	88.6	45.2
STURDY GROW SG937W			127.0	19.8	84.8	57.0
SEED KEM SK-71AW			118.9	19.6	91.9	39.3
ZIMMERMAN Z11W			117.7	20.0	79.0	35.8
FUNK'S G4747W			116.9	19.8	79.0	45.3
RING AROUND RA2602W			112.9	17.4	78.6	29.1
SO. STATES SS950W			112.7	20.0	77.6	42.8
PRINCETON SX 910			111.6	20.1	83.3	50.1
KENTUCKY 5921W			103.8	20.2	84.8	48.9
STURDY GROW SG957W			92.1	18.9	83.8	68.0
KAES VIRUS SYN (WHITE)			83.4	19.2	87.1	43.0
WHITE AVERAGE			114.6	19.7	83.2	45.1
GRAND AVERAGE			118.4	19.4	83.0	30.8