

Mr. Cavanaugh
506-737-4956

100 day	2750	-	7350
105 day	2850	-	7450
110 day	2950	-	2550
115 day	2550	-	2650
120 day	2650	-	2750
125 day	2750	-	+
140 day	3700	-	+

(86 + 50)
Max. temp + min. temp
- 50 = degree days

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21M-12-76

KENTUCKY HYBRID CORN PERFORMANCE TEST — 1976

C. G. PONELEIT and K. O. EVANS

PROGRESS REPORT 226

UNIVERSITY OF KENTUCKY
COLLEGE OF AGRICULTURE
Agricultural Experiment Station
Department of Agronomy
Lexington

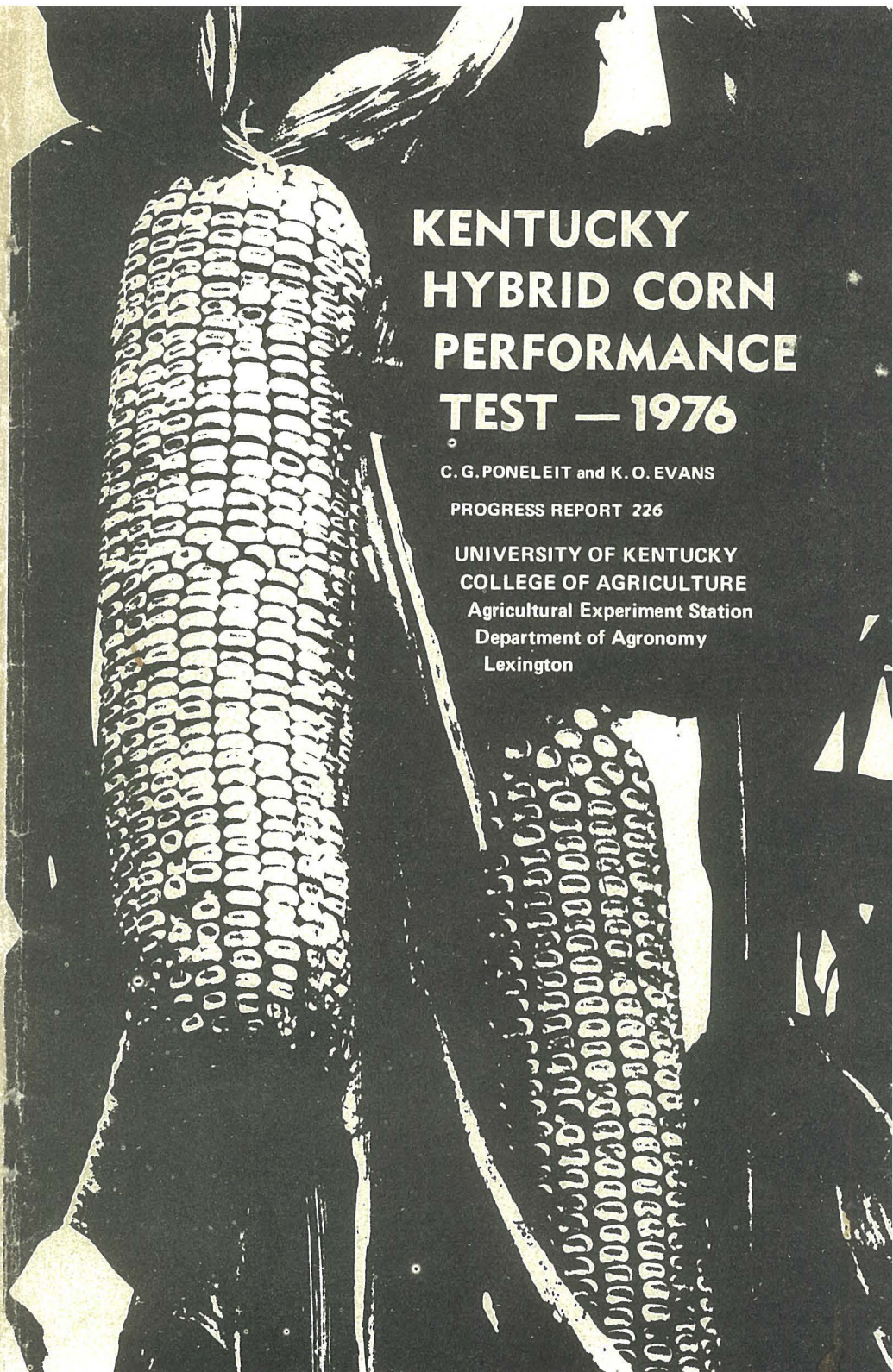


TABLE 20.—THREE-YEAR SUMMARY, CORN VIRUS TEST, NORMAL POPULATION,
1973, 1974 AND 1976

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

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

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					
PIONEER BRAND 3147	1.0	144.9	22.4	68.1	3.8
P-A-G SX 17A	1.0	149.3	20.4	86.8	3.3
MIGRO M-600	1.0	125.4	19.4	79.9	4.9
VORIS SEEDS V2632	1.3	115.2	19.7	81.0	5.8
PIONEER BRAND 3145	1.3	138.5	23.5	83.9	2.6
PIONEER BRAND 3179	1.7	137.2	20.7	79.7	7.1
NORTHROP-KING PX91	1.7	144.3	21.0	84.6	3.7
KENTUCKY 105	2.0	115.0	21.5	84.4	9.7
COKER 56	2.0	113.9	25.5	82.6	8.5
DEKALB XL72B	2.0	120.9	20.8	77.1	5.0
HULTING X770	2.7	113.1	18.4	73.3	7.8
BC-JAC X83	3.7	130.9	20.2	87.7	5.4
YELLOW AVERAGE	1.8	129.1	21.1	80.8	5.6
WHITE					
PRINCETON SX 910	1.0	131.0	23.4	84.0	6.1
ZIMMERMAN Z11W	1.3	119.8	23.5	84.2	6.5
ZIMMERMAN Z52W	1.3	142.8	23.5	84.4	5.3
KENTUCKY 5921W	2.7	112.5	20.5	73.1	5.1
WHITE AVERAGE	1.6	126.5	22.7	81.4	5.8
GRAND AVERAGE	1.7	128.4	21.5	80.9	5.7

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LOCATIONS OF THE 1976 KENTUCKY HYBRID CORN PERFORMANCE TEST



(Locations identified in Table 2.)

ACKNOWLEDGMENTS

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

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

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

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LCDGED
HULTING X880	165.6	19.7	90.6	7.0
BO-JAC X56	162.0	19.4	93.5	4.6
NORTHRUP-KING PX74	158.4	18.8	87.1	8.1
TROJAN TXS 114	157.1	19.5	85.3	7.9
DEKALB XL78	156.0	20.2	90.7	9.2
ASGROW RX 100	154.8	21.8	90.8	13.7
BO-JAC X7L	154.2	20.8	91.5	8.9
HULTING X980	152.5	21.2	88.5	11.6
NORTHRUP-KING PX79	151.7	18.4	90.8	7.6
DEKALB XL72B	150.0	20.1	80.1	4.4
COKER 16	148.7	19.4	90.7	5.3
PIONEER BRAND 3535	148.6	17.8	90.3	6.3
TROJAN TXS 115A	147.6	18.6	84.2	3.7
ADLER S 62X	146.8	20.3	86.9	14.4
SUPER CROST S85	143.8	21.7	87.2	7.4
STEWART SX 52	143.5	20.0	90.9	9.0
ACCO UC 9451	142.9	21.2	87.9	9.8
TROJAN TXS 113	142.0	19.2	90.4	5.3
SEED KEM SKX-86	140.1	19.9	90.0	5.9
NORTHRUP-KING PX76	139.8	19.8	89.5	4.5
MASON 7766	139.6	20.0	91.3	7.9
STEWART SX 71K	134.2	19.2	84.1	12.7
SEED KEM SKX-66	134.1	19.2	84.2	6.2
SO.STATES S5750	133.9	19.1	90.5	9.4
NORTHRUP-KING PX65	131.2	17.8	84.8	6.9
HULTING X770	129.9	17.3	88.8	14.2
MUNCY CHIEF H764	126.4	18.9	89.5	19.5
GRAND AVERAGE	145.8	19.6	88.5	8.6

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

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LCDGED
TROJAN TXS 114	157.7	21.1	86.1	9.3
DEKALB XL78	155.3	21.8	90.3	10.2
BO-JAC X7L	153.3	22.1	91.3	10.8
NORTHRUP-KING PX79	147.5	19.8	88.9	9.3
TROJAN TXS 115A	146.4	19.8	84.5	5.4
HULTING X980	145.7	22.3	87.0	13.9
COKER 16	145.7	20.5	89.9	7.0
NORTHRUP-KING PX74	144.4	20.1	85.7	8.5
DEKALB XL72B	144.3	21.2	81.9	6.1
PIONEER BRAND 3535	143.7	18.7	88.7	9.0
NORTHRUP-KING PX76	143.3	20.8	88.6	6.0
SUPER CROST S85	140.7	22.5	87.7	8.4
TROJAN TXS 113	140.1	20.2	89.7	6.6
STEWART SX 71K	133.8	20.2	85.3	13.1
SEED KEM SKX-66	131.1	20.0	83.4	7.1
HULTING X770	128.3	18.7	88.2	17.1
SO.STATES S5750	128.1	20.3	90.9	11.1
MUNCY CHIEF H764	123.8	20.0	88.8	19.9
GRAND AVERAGE	141.8	20.6	87.6	9.9

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

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

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

HYBRID	3-YR	2-YR	1976 RESULTS			
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						
BO-JAC X56		180.6	201.2	19.9	97.9	1.7
SUPER CROST 6880			194.8	20.3	77.4	4.2
MIGRO M-EXP-3416			191.9	22.6	88.3	2.2
PIONEER BRAND 3147			190.6	22.3	75.0	6.6
ACCO UC 9451		173.3	189.6	21.0	89.8	7.4
DEKALB XL78	178.8	175.8	188.6	20.8	94.3	4.7
RING AROUND RA1502			188.2	20.1	95.1	4.7
DEKALB XL72AA			186.4	19.1	90.3	2.4
HULTING X880		170.1	185.6	20.6	89.3	2.9
NORTHROP-KING PX74	160.1	173.5	184.6	18.6	89.1	2.7
PIONEER BRAND 3535	169.0	173.1	183.1	18.0	90.2	4.3
FUNK'S G4520			183.0	19.3	87.8	4.1
MIGRO M-6666			182.0	20.5	94.5	5.5
HULTING X980	167.1	172.4	181.4	20.7	90.7	7.5
NORTHROP-KING PX79	167.8	168.0	179.1	18.5	92.6	4.0
ASGROW RX 100		171.1	178.5	22.8	97.5	11.1
PIONEER BRAND 3145			178.3	22.2	86.9	8.4
MIGRO M-7072			178.2	19.8	97.1	6.3
GOLDEN HARVEST H2666			178.0	21.7	91.7	7.4
TROJAN TXS 114	178.9	170.7	177.1	19.4	89.9	6.2
BO-JAC X622A			176.7	20.7	88.0	6.8
ZIMMERMAN Z24Y			175.9	19.3	92.4	12.4
COCKER 16	172.9	173.5	175.8	18.7	93.6	6.8
PIONEER BRAND 3369A			174.8	19.7	88.4	14.2
BO-JAC X57			174.7	20.9	85.8	4.4
TROJAN TXS 113	164.6	162.8	174.5	19.1	94.7	2.3
FUNK'S G4507			174.4	20.1	96.2	4.9
STEWART SX 52		159.7	174.2	19.5	90.2	5.9
NORTHROP-KING PX76	172.0	158.7	173.9	20.7	93.6	5.5
PREMIER 64L-I			173.9	20.5	90.0	5.8
SUPER CROST S85	165.6	163.1	173.8	21.9	93.1	5.8
DEKALB XL72B	158.8	163.4	172.0	19.9	84.8	5.9
WILSTAR 7770			171.8	20.6	92.3	2.9
SUPER CROST S67			171.7	18.6	93.7	4.0
BO-JAC X7L	173.2	166.9	171.0	21.4	92.5	2.8
NORTHROP-KING PX675			170.0	19.2	89.2	5.2
SECURITY SS115			170.0	19.9	92.9	4.3
RING AROUND RA3502			169.3	21.2	84.7	1.5
GOLDEN HARVEST H2650			168.4	21.9	86.5	8.0
ADLERS 62X		161.6	168.2	19.6	87.9	13.5
PREMIER 695-I			167.7	21.7	79.5	6.2
DEWINE D-5500			166.8	20.0	90.7	5.5
FUNK'S G4776			166.6	22.0	89.3	17.0
TROJAN TXS 115A	162.4	157.4	166.4	18.8	86.7	3.9
SEED KEM SKX-86		157.9	165.3	20.3	90.2	8.4
GOLDEN ACRES T-E 6992			164.0	19.5	88.7	6.0
FUNK'S G4737			163.9	21.2	98.0	9.1
HULTING X770	154.5	155.9	163.7	16.8	99.3	10.3
MASON 7766		162.0	163.2	19.7	96.9	4.7
MIGRO M-0601			163.0	19.2	98.1	4.6
MIGRO M-7074			162.8	22.2	92.6	8.0
DEKALB XL65A			162.4	20.2	95.3	16.4
TROJAN TX 119A			162.2	20.1	96.2	3.9
GOLDEN ACRES T-E 6968			160.4	20.9	94.2	7.2
HULTING X990			160.4	19.3	91.2	5.7
SUPER CROST 7772			159.7	20.8	90.0	6.0
SEED KEM SKX-66	151.1	150.4	158.7	18.8	87.4	5.6
STEWART SX 71K	153.0	147.4	158.5	19.8	90.7	14.7
FUNK'S G4525			157.8	16.6	96.8	7.7
STEWART SX 77			157.5	20.6	95.8	11.9
SO. STATES SS750	150.8	155.2	157.2	19.1	91.4	7.9
NORTHROP-KING PX65			148.6	15.6	86.8	4.0
MUNCY CHIEF H764	145.1	145.5	150.6	19.0	94.0	28.4
KENTUCKY 105			145.5	19.8	92.5	28.0
YELLOW AVERAGE	163.6	163.8	172.1	20.1	91.1	7.2
GRAND AVERAGE			172.1	20.1	91.1	7.2

Kentucky Hybrid Corn Performance Test 1976

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

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

PRESENTATION OF DATA

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

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

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

TESTING PROCEDURE

SELECTION OF HYBRIDS

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

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

LOCATION OF TESTS

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

CULTURAL PRACTICES

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

EXPERIMENTAL DESIGN

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

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

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS			TOTAL %
			YIELD BU/AC	AVG % MOIST	AVG % STAND	
YELLOW						
MIGRO M-EXP-3416			190.8	19.0	87.3	0.0
HULTING X880		161.1	189.3	17.7	92.5	0.3
PREMIER 695-1			187.7	22.0	82.8	0.0
MIGRO M-7074			184.8	22.5	94.1	0.8
TROJAN TXS 114	136.5	143.4	183.6	18.3	82.9	0.0
RING AROUND RA1502			182.4	19.0	86.4	0.6
STEWART SX 77			180.9	18.6	84.1	0.0
GOLDEN HARVEST H2650			180.4	20.0	82.8	1.2
NORTHROP-KING PX74	128.8	143.3	175.9	18.0	92.2	1.9
BO-JAC X56		143.3	174.3	17.8	98.6	0.0
MIGRO M-0601			172.2	19.3	96.2	0.9
ASGROW RX 100		138.5	171.6	20.1	92.5	0.5
BO-JAC X7L	133.4	141.6	171.5	19.3	96.6	0.0
FUNK'S G4737			171.1	19.6	94.3	0.5
PIONEER BRAND 3145			170.7	23.6	91.7	0.0
TROJAN TXS 115A	130.4	137.7	170.2	16.8	90.2	0.8
PIONEER BRAND 3147			170.1	22.0	76.0	0.0
BO-JAC X622A			169.8	20.0	86.7	1.0
TROJAN TX 119A			169.2	18.8	90.7	0.0
DEKALB XL72AA			168.8	18.3	87.5	0.9
ZIMMERMAN Z24Y			167.5	17.4	97.3	0.6
NORTHROP-KING PX79	127.2	135.4	167.3	16.9	89.4	0.7
GOLDEN ACRES T-E 6992			166.8	18.9	89.6	0.6
ADLERS 62X		132.0	166.4	20.8	87.0	0.9
BO-JAC X57			165.8	19.6	83.2	0.6
HULTING X980	124.3	132.7	165.4	19.8	91.6	1.6
DEKALB XL72B	129.8	136.7	162.5	17.8	85.7	0.6
FUNK'S G4507			162.1	19.4	82.6	0.4
SEED KEM SKX-86		122.3	161.8	17.7	95.7	1.5
STEWART SX 52		127.4	161.7	19.9	96.9	1.9
PIONEER BRAND 3369A			161.2	17.4	91.3	0.5
KENTUCKY 105			160.7	19.5	88.6	5.7
TROJAN TXS 113	115.7	121.2	160.2	17.0	92.8	0.0
FUNK'S G4776			159.0	19.5	86.9	0.6
DEKALB XL78	131.8	132.2	158.0	19.3	92.9	1.2
ACCO UC 9451		112.5	157.8	20.4	83.9	0.8
PIONEER BRAND 3535	118.3	124.2	155.9	16.3	91.6	0.8
RING AROUND RA3502			155.8	17.5	93.2	2.1
MIGRO M-6666			155.5	17.6	95.2	0.0
SUPER CROST 6880			155.1	19.4	82.4	2.0
GOLDEN ACRES T-E 6968			154.1	18.7	93.6	0.9
WILSTAR 7770			153.5	16.7	92.6	1.3
COKER 16	118.4	123.9	153.3	17.3	94.9	1.1
SUPER CROST S85	115.8	124.5	153.2	21.0	85.2	1.1
NORTHROP-KING PX76	114.6	120.9	151.9	17.7	90.3	0.5
HULTING X990			149.8	16.7	91.1	0.7
STEWART SX 71K	114.6	121.0	149.6	17.2	88.7	0.0
HULTING X770	102.2	103.8	149.1	15.4	91.7	2.4
MIGRO M-7072			146.8	17.7	95.7	0.0
NORTHROP-KING PX65		113.9	146.3	17.6	85.9	0.3
GOLDEN HARVEST H2666			146.1	18.5	89.5	0.0
FUNK'S G4520			145.7	18.8	87.2	0.3
MASON 7766		117.1	145.5	18.6	87.3	0.9
FUNK'S G4525			145.4	17.8	92.8	1.6
SO. STATES SS750	105.3	112.6	145.1	17.8	94.4	0.6
PREMIER 64L-1			145.0	18.7	93.2	1.5
DEWINE D-5500			143.9	17.2	94.7	1.0
SECURITY SS115			143.2	18.0	81.0	0.0
SEED KEM SKX-66	111.2	117.8	141.9	18.2	80.7	0.3
NORTHROP-KING PX675			141.0	17.2	84.1	0.3
DEKALB XL65A			141.0	17.9	91.5	1.1
SUPER CROST S67			138.4	17.4	87.6	0.8
SUPER CROST 7772			138.0	19.1	95.7	0.5
MUNCY CHIEF H764	102.4	106.9	130.1	17.4	91.9	2.5
YELLOW AVERAGE	120.0	127.7	160.3	18.6	89.8	0.8
GRAND AVERAGE			160.3	18.6	89.8	0.8

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

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

PLANTING

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

HARVESTING

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

CORN VIRUS

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

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

TABLE 1.—HYBRIDS TESTED IN 1976

HYBRID	TEST*	COLOR	CROSS**	SOURCE OF HYBRID
A.C.C.O	UC9451	AB	2X	ACCO Seed, Div. of Anderson, Clayton & Co. P.O.Box 9 Belmond, Ia.50421
Adlers	62X 66X 87X	BC C AC	2X 2X 2X	Adlers Seeds Inc. Route # 1 Sharpsville, Ind.46068
Asgrow	* RX90 ✓ RX95W RX100	A A B	2X 2X 2X	Asgrow Seed Co. Des Moines, Ia. P.O. Box 1059 50210 <i>5001 9001 Hildeman Rd Rer Murner Ia 50053</i>
Bo-Jac	X7L X52A * X56 X57 * X83 ✓ X91 X622A	B C B B AC A B	2X 2X 2X 2X 2X 2X(Mod) 2X	Bo-Jac Hybrid Corn Co. Route # 2 Mt. Pulaski, Ill. 62548
Coker	* 16 * 18 56	AB AC C	2X(Mod) 2X 4X	Cokers Pedigreed Seed Co. P.O.Box 340 Hartsville, S.C.29550
DeKalb	XL65A * XL72AA * XL72B * XL78 * XL80 * XL372 * XL390A * XL394 ✓ XL43	B AB ABC AB A A A C	2X(Mod) 2X 2X 2X 2X 3X 3X 3X	DeKalb Agr. Research Inc. DeKalb, Ill. 60015
Dennis	* DS37 ✓	A	2X	Dennis Hybrid Corp. P.O.Box 487 Windfall, Ind.46074
Dewine	D-5500	B	2X	Dewine Seed Co. P.O.Box 68, Yellow Springs, Ohio 45387
Funk's	* G-4507 ✓ * G-4520 ✓ * G-4525 * G-4628 * G-4737 * G-4747W ✓ * G-4776 * G-4848 ✓ Exp.26630 Exp.27792 ✓ G-5757 A G-4762 C	AB AB ABC A B AC BC AC C C	2X 2X 2X 2X 2X SpX SpX 2X SpX SpX	Funk Seeds Internat'l, Inc. 1300 W. Washington Bloomington, Ill. 61701

(Continued)

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

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

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

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					YELLOW				
DENNIS 37	176.9	19.7	91.4	3.7	FUNK'S G4525	149.5	17.7	91.6	8.4
PREMIER SX633	175.9	19.6	90.4	4.2	STEWART SX 71K	149.4	19.7	86.5	13.6
SECURITY SS112	173.5	19.9	88.0	2.1	DEKALB XL372	149.1	19.2	88.8	5.3
P-A-G SX 17A	173.1	19.4	91.3	6.5	WILSTAR 7774	149.0	21.3	85.8	8.0
VORIS SEEDS V2532	173.0	19.7	92.9	2.5	ACCO UC 9451	148.7	21.7	79.7	6.5
ZIMMERMAN Z24Y	171.8	19.9	95.1	7.7	SEED KEM SKX-9800	148.4	20.6	90.3	10.3
GOLDEN HYBRIDS SX104	171.7	20.6	89.7	6.9	PREMIER 688	148.1	21.4	85.0	8.3
FUNK'S G4520	171.5	19.8	88.4	3.3	BO-JAC X91	147.6	23.0	88.3	5.2
SO. STATES SS727	169.6	20.1	91.8	3.6	MASON 8865	147.6	19.9	87.6	5.6
NORTHROP-KING PX74	168.2	19.2	91.1	5.2	VORIS SEEDS V2642	147.5	20.9	87.1	12.0
PIONEER BRAND 3184	168.0	21.2	86.7	2.5	MIGRO M-5045	147.4	17.7	91.9	6.5
FUNK'S G4848	167.9	24.5	83.0	4.5	MCNAIR X170	146.8	20.1	88.8	4.9
ASGROW RX 90	167.0	19.7	90.4	3.5	* TROJAN TXS 115A	146.7	19.8	81.6	5.6
NORTHROP-KING PX79	166.3	19.4	91.4	2.4	* DEKALB XL80	145.8	21.3	78.6	5.6
HULTING X880	163.1	20.5	85.0	8.1	* P-A-G 7545	145.4	19.8	90.5	13.1
FUNK'S G4507	162.3	19.7	89.6	4.3	* DEKALB XL72B	145.1	19.9	78.8	3.9
MIGRO M-7072	162.1	20.3	93.2	5.3	* P-A-G SX 98	144.9	20.8	82.0	8.0
PIONEER BRAND 3369A	161.9	19.7	85.0	10.3	* RING AROUND SX2766	144.6	22.0	87.9	13.1
WILSTAR 6663	161.4	19.8	89.0	8.2	* MUNCY CHIEF SX808B	144.5	21.1	89.1	5.9
HULTING X980	161.3	21.1	93.5	12.0	* SUPER CROST 6880	142.9	19.5	84.4	10.5
STEWART SX 77	161.2	20.1	79.0	4.0	* GOLDEN HARVEST H2650	142.6	21.2	81.7	8.5
* BO-JAC X83	161.1	19.6	90.1	5.4	* P-A-G 340	140.5	19.4	83.6	3.3
* DEKALB XL72AA	161.0	19.0	87.6	3.4	* FUNK'S G4628	139.4	20.9	81.8	9.7
* PIONEER BRAND 3161	160.2	21.6	91.1	5.8	* MUNCY CHIEF SX878	136.5	21.3	83.3	15.8
* TROJAN TXS 114	159.5	19.6	83.7	3.8	* SEED KEM SKX-76	134.4	19.6	86.3	7.7
* COKER 16	159.5	19.6	88.2	4.9	* GUTWEIN 88A	119.5	21.3	79.9	10.1
* SO. STATES SS795P	159.3	20.3	94.3	9.0	* O'S GOLD SX5500	117.4	20.7	71.5	9.8
* SUPER CROST 5440	159.2	19.3	85.0	4.8					
* SO. STATES SS775	159.1	19.4	92.4	4.6	YELLOW AVERAGE	155.0	20.3	87.8	6.8
* NORTHROP-KING PX675	159.1	19.0	90.4	3.7					
* GOLDEN HARVEST H2666	159.1	21.0	88.5	5.2	WHITE				
* S S HYBRIDS 86	158.6	20.0	92.4	5.4	SO. STATES SS950W	177.2	23.2	91.6	6.7
* MCNAIR X194	157.8	20.6	89.9	6.3	ZIMMERMAN Z11W	176.6	23.6	94.2	6.4
* PIONEER BRAND 3368A	156.9	19.9	91.8	13.2	ZIMMERMAN Z52W	172.9	23.1	91.8	5.3
* PRINCETON SX 850	156.3	20.1	89.9	9.8	FUNK'S G4747W	170.9	22.9	93.1	9.6
* S S HYBRIDS 7100	156.2	21.8	82.6	5.4	* GOLDEN HARVEST H2660W	165.2	23.2	85.6	8.0
* SEED KEM SKX-86	156.0	19.9	92.2	4.6	* PRINCETON SX 910	165.1	23.7	84.6	5.5
* GUTWEIN 86	156.0	18.9	92.0	10.5	* DEKALB XL390A	164.4	21.7	81.8	7.0
* DEKALB XL78	155.1	20.7	92.0	6.0	* PIONEER BRAND 511A	155.5	23.4	85.9	16.2
* PIONEER BRAND 3535	155.1	18.1	87.7	3.9	* ASGROW RX 95W	152.7	19.9	85.6	16.8
* TROJAN TXS 119	155.0	21.0	87.2	10.3	* PRINCETON 960	152.3	22.5	85.8	6.7
* GOLDEN ACRES T-E 6568	154.9	19.3	86.5	4.7	* P-A-G 644W	151.3	21.7	92.8	10.7
* RING AROUND RA2502	154.4	21.2	86.2	8.1	* MASON 5850	147.0	22.5	87.6	4.5
* SECURITY SS120	153.9	22.5	83.5	5.5	* GOLDEN ACRES T-E 6999	146.4	21.5	88.2	12.6
* MIGRO M-7074	153.9	22.6	91.4	4.5	* RING AROUND RA2602W	141.8	23.8	70.9	6.5
* GOLDEN ACRES T-E 6992	153.4	19.5	90.5	10.6					
* COKER 18	152.7	21.2	89.1	9.1	WHITE AVERAGE	159.9	22.6	87.1	8.8
* ADLERS 87X	151.5	20.7	88.4	7.6	GRAND AVERAGE	155.8	20.7	87.7	7.1
* TROJAN TXS 113	149.7	19.7	91.8	4.7					

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TABLE 1 (continued)

HYBRID	TEST	COLOR	CROSS**	SOURCE OF HYBRID
Golden-Acres T-E 6968	AB	Yellow	2X	Taylor-Evans Seed Co.
* T-E 6992	AB	Yellow	2X	P.O.Box 68
* T-E 6999W	A	White	2X	Ft. Worth, Tx. 79088
T-E Bimaster	C	Yellow	4X	
T-E M20W	C	White	4X	
T-E 6795	A	White	4X	
Golden Harvest H2650	AB	Yellow	2X	Columbiana Seed Co.
* H2660W	AC	White	2X	Eldred, Ill. 62027
* H2666	AB	Yellow	2X	
* H2740A	C	Yellow	SPX	
* XC8014	C	Yellow	SPX	
Golden Hybrids SX104	A	Yellow	2X	Williams Grain Co.
				P.O.Box 147
				Goldensgate, Ill. 62843
Gutwein	C	Yellow	2X	Fred Gutwein & Sons, Inc.
86	A	Yellow	2X	Route # 1, Box 40
88A	A	Yellow	2X	Francesville, Ind. 47946
Hulting	BC	Yellow	2X	Hulting Hybrids, Div. of
X770	ABC	Yellow	2X	Ferry Morse Seeds
X880	ABC	Yellow	2X	Box 24
X980	BC	Yellow	2X	Geneese, Ill. 61254
X990	C	Yellow	2X	
Exp. 7/17/74	C	Yellow	2X	
Mason	A	White	2X	Mason Hybrid Corn Co., Inc.
5850	B	Yellow	2X	1017 W. Main St.
7766	A	Yellow	2X	P.O.Box 4
8869	A	Yellow	2X	Princeton, Ky. 42445
9998	C	Yellow	SPX	
McNair	A	Yellow	2X	McNair Seed Co.
X170	A	Yellow	2X	P.O.Box 706
X194	A	Yellow	2X	Laurinburg, N.C. 28352
X233	C	White	2X	
Migro	C	Yellow	2X	Migro Hybrids
M-600	B	Yellow	2X	P.O.Box 7
M-601	AC	Yellow	4X	Mitchell, Ind. 47446
M-5045	B	Yellow	2X	
M-6666	AB	Yellow	2X	
M-7072	AB	Yellow	2X	
M-7074	AB	Yellow	2X	
M-Exp.-3416	B	Yellow	2X	
Muncy Chief	B	Yellow	4X	Muncy Chief Hybrids
H764	A	Yellow	2X	Market & High Streets
SX878	A	Yellow	2X	Muncy, Pa. 17756
SX808B	A	Yellow	2X	

(Continued)

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TABLE 1 (continued)

HYBRID	TEST	COLOR	CROSS**	SOURCE OF HYBRID
Northrup-King PX65 PX74 PX76 PX79 PX91 PX95 PX675 PX715 PX718W PX723	B AB B ABC C C AB C C C	Yellow Yellow Yellow Yellow Yellow Yellow Yellow Yellow Yellow White	2X 2X 2X 2X 2X 2X 3X 3X 3X 3X	Northrup-King & Co. 1500 Jackson St. N.W. Minneapolis, Minn. 55402
O's Gold TX105A SX5500	C AC	Yellow Yellow	2X 2X	O's Gold Seed Co. P.O. Box 460 Parkersburg, Ia. 50665
P.A.G. SX70A-A SX71A SX98 340 664W 7545	AC A A A AC A	Yellow Yellow Yellow Yellow White Yellow	2X 2X 2X 2X 3X 3X	P.A.G. Seeds Box 2187, 4009 Scappan Minneapolis, Minn. 55402 P.O. Box 9480, Dept. 16 Minneapolis, Minn. 55440
Pioneer Brand 511A 3145 3147 3161 3179 3184 3364 3368A 3369A 3335	A BC BC A C C A A A AB	White Yellow Yellow Yellow Yellow Yellow Yellow Yellow Yellow Yellow	4X 2X(Mod) 2X(Mod) 2X(Mod) 2X(Mod) 2X(Mod) 2X(Mod) 2X(Mod) 2X(Mod) 2X	Pioneer Hi-Bred, Inc. 221 N. Main St. Tipton, Ind. 46072
Premier SX633 SX641-1 SX688 SX695-1	A B A B	Yellow Yellow Yellow Yellow	2X 2X(Mod) 2X 2X(Mod)	Premier Hybrids Route # 15, Box 223X Action, Ind. 46259
Princeton SX840 SX850 SX910 960	C A AC A	Yellow Yellow White White	2X 2X 2X 4X	Princeton Farms P.O. Box 319 Princeton, Ind. 47670
Ring Around RA1502 RA2502 RA2601 RA262W SX2766 RA3502 RA3602	B A C AC A B C	Yellow Yellow Yellow White Yellow Yellow Yellow	2X 2X(Mod) 2X(Mod) 2X(Mod) 2X(Mod) 3X 3X	Ring Around Products, Inc. Research Division P.O. Box 1629 Plainview, TX. 79072
Security SS112 SS115 SS120 SS120A SS125	A B A C C	Yellow Yellow Yellow Yellow Yellow	2X 2X(Mod) 2X(Mod) 2X(Mod) 2X(Mod)	Security Seed Co. P.O. Box 630 Williamsburg, Ia. 52361

(Continued)

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS			HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS					
			YIELD BU/AC	AVG % MOIST	AVG % STAND				TOTAL % LODGED	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	
YELLOW						YELLOW								
SECURITY SS112			185.4	20.1	98.6	3.4	YELLOW							
NORTHROP-KING PX79		154.7	179.2	21.5	86.7	6.2	BO-JAC X83	140.5	132.6	116.1	20.1	78.1	11.7	
DENNIS 37		163.7	176.6	20.4	92.9	4.6	GGDEN ACRES T-E 6992			115.5	20.4	88.6	39.2	
PIONEER BRAND 3184			172.3	21.8	90.0	5.8	SUPER CROST 6880			115.4	19.4	91.0	22.7	
VORIS SEEDS V2532		156.3	170.5	20.6	93.3	2.0	MUNCY CHIEF SX8088			115.3	22.0	94.3	10.9	
FUNK'S G4520			169.2	20.6	88.6	8.9	DEKALB XL372			112.9	19.6	90.0	14.3	
FUNK'S G4848			169.8	26.3	85.2	9.7	STEWART SX 71K	126.6	108.7	110.8	19.8	94.8	56.7	
FUNK'S G4507		152.9	161.2	20.9	95.2	4.2	BC-JAC X91			108.2	22.8	88.1	15.8	
PREMIER SX633			159.8	21.1	86.7	10.8	P-A-G 340			107.4	18.5	86.2	9.0	
NORTHROP-KING PX675			156.6	20.9	95.2	8.5	TROJAN TXS 113	122.2	104.7	104.2	21.1	85.7	12.1	
SEED KEM SKX-86		127.5	153.5	19.2	94.3	24.5	RING AROUND RA2502			103.9	21.2	84.8	29.3	
P-A-G SX 17A			152.7	20.0	95.7	2.0	HULTING X980	119.3	117.2	103.1	21.5	100.0	60.0	
SO. STATES SS727			152.6	21.4	80.0	9.1	MUNCY CHIEF SX878	113.2	111.6	103.0	22.5	85.7	49.1	
STEWART SX 77			151.0	19.8	96.2	23.1	MIGRO M-7074	114.0	108.6	101.3	22.0	86.2	13.7	
ZIMMERMAN I24Y	151.7	142.7	150.7	20.2	91.4	2.8	P-A-G SX 98			98.5	21.0	87.6	30.4	
S S HYBRIDS 86	131.7	126.3	149.5	22.3	90.0	4.9	SEED KEM SKX-9800			96.1	21.4	88.1	39.1	
TROJAN TXS 114	144.7	134.6	148.4	18.9	87.6	3.4	PIONEER BRAND 3368A		115.7	90.0	18.7	91.0	41.9	
PIONEER BRAND 3535	140.4	129.1	146.9	20.0	88.6	8.6	WILSTAR 7774			89.7	20.1	88.6	37.2	
ASGROW RX 90			146.0	19.9	92.4	4.9	ADLERS 87X		115.2	87.1	19.4	82.9	30.9	
DEKALB XL72AA			145.1	16.7	88.6	16.6	GGDEN HARVEST H2650			86.8	18.9	81.4	35.7	
FUNK'S G4525			145.1	20.3	88.6	20.6	FUNK'S G4628	104.3	95.0	81.4	19.5	89.5	50.2	
PIONEER BRAND 3369A	153.0	144.4	144.5	22.1	92.9	22.1	GUTWEIN 88A	120.2	97.8	78.8	20.3	88.6	22.1	
GOLDEN HYBRIDS SX104		141.0	140.3	22.9	89.5	12.6	TROJAN TXS 119			77.5	18.9	80.0	47.7	
S S HYBRIDS 7100			139.1	19.5	94.3	17.4	GUTWEIN 86	116.1	101.0	73.6	17.3	86.2	43.3	
WILSTAR 6663			139.0	20.3	91.9	6.8	VORIS SEEDS V2642		111.3	72.5	18.4	88.1	60.1	
SO. STATES SS775	148.9	144.2	139.0	21.6	72.9	8.3	P-A-G 7545			70.2	17.8	81.9	56.9	
DEKALB XL72B	148.1	136.8	138.2	20.7	95.7	5.1	CKKER 18			60.2	18.0	90.0	22.3	
GGDEN ACRES T-E 6968	144.8	131.6	137.3	21.4	83.3	36.4	C'S GCLD SX5500			34.9	18.7	76.7	42.8	
ACCO UC 9451			137.3	22.5	83.8	4.5	YELLOW AVERAGE	134.0	127.7	125.5	20.6	88.7	19.8	
HULTING X880			137.2	21.2	91.4	19.4	WHITE							
DEKALB XL80	130.4	125.0	136.5	19.6	86.2	4.0	ZIMMERMAN Z11H	156.6	146.8	192.4	24.2	96.7	6.3	
PRINCETON SX 850	129.4	129.8	136.1	21.4	86.7	12.0	SO. STATES SS950W			190.5	24.0	89.0	6.5	
CKKER 16	138.4	125.9	135.3	21.6	90.0	4.9	FUNK'S G4747W			172.5	23.7	96.7	11.6	
MIGRO M-7072	148.7	148.7	132.8	20.7	90.5	6.1	ZIMMERMAN Z52H			158.6	17.9	89.6	9.5	
DEKALB XL78	145.1	129.3	131.1	21.3	83.8	14.7	GOLDEN HARVEST H2660W	153.5	156.7	177.8	22.6	95.7	23.1	
SUPER CROST 5440	149.6	131.7	127.9	20.9	83.3	15.0	RING AROUND RA2602W			163.3	23.8	81.9	5.9	
NORTHROP-KING PX74	138.5	141.1	127.7	21.5	89.5	14.6	PRINCETON SX 910	158.0	152.7	163.1	24.6	82.4	6.9	
TROJAN TXS 115A	139.4	116.6	126.1	17.9	92.4	10.9	MASON F850			155.9	22.3	90.5	6.0	
GOLDEN HARVEST H2666			126.1	19.7	92.4	10.9	DEKALB XL390A		126.7	154.6	21.9	91.9	20.6	
MIGRO M-5045			123.0	19.7	86.2	9.9	P-A-G 644W	137.8	147.5	142.2	21.8	90.0	12.6	
MASON 8869	120.3	108.4	123.0	22.4	92.9	12.8	PRINCETON 960			142.2	22.2	89.0	7.4	
PIONEER BRAND 3161	136.6	131.7	123.0	19.7	91.9	7.9	ASGROW RX 95H			134.7	20.0	79.5	42.1	
SEED KEM SKX-76			121.7	21.2	89.5	34.4	PIONEER BRAND 511A	139.2	132.6	132.1	22.2	80.0	29.4	
MCNAIR X170		128.0	120.8	19.9	89.5	34.4	GOLDEN ACRES T-E 6999W			126.2	22.7	91.0	18.7	
SO. STATES SS795P			118.7	20.8	90.5	20.6	WHITE AVERAGE	149.0	150.9	160.1	22.7	88.8	14.8	
MCNAIR X194			117.7	21.8	83.3	35.3	GRAND AVERAGE	136.3	131.3	130.9	20.9	88.7	19.0	
SECURITY SS120		123.7	117.4	22.9	86.7	16.3								
RING AROUND SX2766			117.3	23.0										
PREMIER 688														

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS										
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED							
YELLOW																				
SECURITY SS112			186.0	21.6	90.5	0.5	SECURITY SS120		153.8	158.5	26.2	85.2	5.0							
PREMIER SX633			184.8	21.1	92.4	5.2	COKFR 16	157.3	155.6	158.4	20.9	89.5	5.3							
S S HYBRIDS 7100			180.5	22.0	86.7	5.0	VOPIS SEEDS V2642		156.1	156.2	23.7	93.3	5.6							
DENNIS 37		171.3	179.4	21.0	96.7	1.0	P-A-G 7545		163.1	156.1	21.5	91.9	10.8							
COKER 18			178.4	21.4	96.7	4.9	ADLERS 87X		152.3	156.1	23.8	81.4	4.1							
FUNK'S G4848			177.9	27.1	85.7	3.8	FUNK'S G4628	154.2	152.3	156.0	23.2	87.4	5.5							
GOLDEN HYBRIDS SX104		171.7	176.1	23.3	95.2	6.0	GOLDEN HARVEST H2650		152.0	154.2	24.0	80.4	5.5							
VOPIS SEEDS V2532		169.2	175.8	20.7	96.2	2.5	MCNAIR X170		150.6	154.1	20.6	93.8	10.1							
PIONEER BRAND 3184			174.7	22.2	81.9	1.7	TROJAN TXS 115A	156.0	150.6	153.5	22.3	85.2	4.4							
P-A-G SX 17A			174.4	21.6	90.5	8.4	SEED KEM SKX-86		150.4	153.3	20.9	87.1	3.0							
SO. STATES SS795P			174.4	22.1	95.7	4.0	MUNCY CHIEF SX8088		149.0	153.3	22.3	87.1	8.8							
DEKALB XL724A			174.3	20.1	91.9	1.5	TROJAN TXS 113		143.3	153.3	21.5	86.7	4.9							
FUNK'S G4520			173.5	21.0	89.5	3.8	P-A-G 340		145.3	152.9	22.0	88.1	3.8							
NORTHROP-KING PX74	158.1	155.1	171.5	20.6	94.3	5.5	STFWART SX 71K		137.6	152.4	22.6	89.0	11.2							
RING AROUND R42502			170.8	22.4	88.6	6.4	SEED KEM SKX-9800		152.3	152.3	21.6	91.0	5.7							
ZIMMERMAN 224Y		176.8	170.6	22.1	92.0	5.2	MIGRO M-5045		152.9	152.3	18.1	90.0	3.2							
WILSTAR 6663			170.2	22.4	90.5	4.2	FUNK'S G4525		150.3	150.3	19.2	92.9	11.2							
MCNAIR X194			170.2	21.0	91.9	4.6	DEKALB XL72R	149.9	149.7	149.6	20.3	84.8	1.7							
GUTWEIN 86		164.7	169.6	20.7	93.8	4.5	MUNCY CHIEF SX878		153.1	141.0	149.3	22.4	83.8	11.4						
GOLDEN ACRES T-F 6992			169.5	21.8	91.0	7.4	GOLDEN ACRES T-F 6969		157.9	148.4	148.3	20.8	84.8	3.5						
PIONEER BRAND 3369A	161.5	157.2	169.4	20.8	89.5	7.0	MASON 8869		152.4	145.4	148.0	22.1	89.0	8.0						
HULTING X980	165.0	163.7	168.4	22.2	89.0	2.9	RING AROUND SX2766		147.7	147.7	22.6	90.5	10.3							
ASGROW RX 90			167.9	21.2	88.1	4.4	SUPER CROST 6880		145.0	145.0	20.2	87.6	13.8							
BO-JAC X83		167.9	163.6	167.5	21.4	86.2	3.5	ACCO UC 9451		156.2	143.2	23.4	80.5	10.8						
STEWART SX 77			167.4	21.6	75.7	6.4	GUTWEIN 88A		155.2	142.7	24.2	83.3	7.4							
PRINCETON SX 850	160.1	157.2	167.1	21.2	87.6	10.5	SEED KEM SKX-76		140.6	140.6	19.8	83.3	10.4							
BO-JAC X91			166.9	23.7	90.0	5.3	O'S GOLD SX5500		124.2	124.2	23.0	70.5	7.9							
WILSTAR 774			166.5	24.1	87.6	4.9														
S S HYBRIDS 86	171.1	162.3	165.5	23.0	90.5	6.2	YELLOW AVERAGE		161.9	21.8	88.9	6.1								
PIONEER BRAND 3161	158.2	158.4	165.4	23.2	91.0	5.6														
FUNK'S G4507			159.3	21.3	92.9	4.6	WHITE													
P-A-G SX 98	153.0	159.9	164.2	22.8	85.2	6.0	ZIMMERMAN 252M		167.6	194.0	24.0	91.4	8.9							
SO. STATES SS572P			163.8	21.5	88.6	7.0	PRINCETON SX 910	168.6	155.5	173.4	25.0	89.0	8.0							
DEKALB XL78	167.0	156.6	163.5	21.2	93.3	6.6	DEKALB XL390A		164.8	171.2	23.8	92.5	4.8							
PREMIER 68R			163.3	22.1	76.7	12.5	SO. STATES SS950W		168.1	24.1	24.1	84.6	7.0							
PIONEER BRAND 3535	158.6	153.1	162.9	19.9	91.9	3.6	ZIMMERMAN 211W	170.9	158.8	163.2	24.9	92.9	6.1							
TROJAN TXS 119			162.5	22.0	92.4	8.2	ASGROW RX 95W		162.3	21.1	79.0	18.1								
TROJAN TXS 114	161.4	159.4	162.2	20.9	84.8	6.8	FUNK'S G4747W		153.0	162.0	23.0	87.6	0.1							
MIGRO M-7072	163.9	163.6	162.1	21.3	96.2	3.4	RING AROUND R42602W		160.6	24.2	79.5	10.4								
NORTHROP-KING PX675			161.9	19.6	92.9	5.4	P-A-G 644W	151.3	147.4	150.8	22.7	90.0	16.8							
MIGRO M-7074			161.2	24.8	95.2	6.5	GOLDEN HARVEST H2560W	157.1	143.8	149.3	24.0	84.3	10.6							
SO. STATES SS775	167.2	160.2	159.9	20.7	93.3	7.7	MASON 5850		149.1	24.2	88.6	0.4								
NORTHROP-KING PX79			165.4	19.8	89.5	1.0	PIONEER BRAND 511A	153.2	142.8	147.8	23.0	84.6	22.6							
HULTING X880			159.4	23.1	83.8	5.6	PRINCETON 960		145.7	24.3	88.6	0.0								
GOLDEN HARVEST H2666			159.4	22.4	88.6	6.9	GOLDEN ACRES T-F 6999W		135.2	22.7	86.2	20.1								
PIONEER BRAND 3368A			152.6	21.0	86.2	11.9														
SUPER CROST 5440	161.5	160.8	159.2	21.3	89.6	9.9	WHITE AVERAGE		158.9	23.7	86.6	12.1								
DEKALB XL372			158.9	20.8	87.6	9.5	GRAND AVERAGE	160.0	156.4	161.4	22.1	88.5	7.0							
DEKALB XL80	163.1	157.6	158.7	21.8	80.0	7.8														

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TABLE 1 (continued)

HYBRID	TEST	COLOR	CROSS**	SOURCE OF HYBRID
Seed Kem	SXK66 SXX68 SXX76 SXX71W SXX86 SXX9800	B C C A A A	2X 2X 2X 2X (Mod) 2X 2X	Seed Kem, Inc. 576 N.W. Fourth St. Evansville, Ind. 47701
S.S. Hybrids	86 7100	A A	2X 2X	S. S. Hybrids Camden, Ind. 46917
So. States	S.S. 727 S.S. 750 S.S. 760 S.S. 775 S.S. 795P S.S. 950W S.S. 866	A B C A A A A	2X 2X 2X 2X 3X 3X 3X	Southern States Coop, Inc. 2600 Durham St. Richmond, Va. 23220
Stewarts	SX52 SX71K SX77	B AB AB	2X 2X 2X	Stewarts Hybrids Princeton, Ill 61559
Super Crost	S67 S85 S440 S880 6880 7772	B B A A A B	2X (Mod) 2X 2X 2X 2X 2X (Mod)	Edw. J. Funk & Sons, Inc. P.O. Box 67 Kentland, Ind. 47951
Trojan	TXS113 TXS114 TXS115A NM 116 TXS119 TX119A	AB AB AB C A B	2X 2X 2X 2X 2X 3X	Trojan Seed Co. Box 367 Windfall, Ind. 46076
Vorris	V2532 V2601 V2632 V2642	A C C A	2X 2X 2X 2X	Vorris Seeds, Inc. Box 457 Windfall, Ind. 46076
Wilstar	6663 7770 7774	A B A	2X 2X 2X	Helena Chemical Co. P.O. Box 641 Hopkinsville, Ky. 42240
Zimmerman	Z11W Z24Y Z25W	AC AB AC	2X 3X 3X	Zimmerman's Hybrids, Inc. Route # 2 Evansville, Ind. 47712
K.A.F.S.	Ky 105 Ky 5921W	BC C	4X 4X	Kentucky Agricultural Experiment Station University of Kentucky Lexington, Kentucky 40506

* A = Performance Test - Normal Population, B = Performance Test - High Population, C = Corn Virus Test - Normal Population.
 ** 2X = Single Cross, 2X (Mod) = Modified Single Cross, 3X = Three-way Cross, 4X = Double Cross, SpX = Special Cross.

TABLE 2.--AGRONOMIC INFORMATION PERTAINING TO 1976 TEST LOCATIONS

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

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Bob Wade

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS						HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS					
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	YIELD BU/AC	AVG % MOIST				AVG % STAND	TOTAL % LODGED				
YELLOW								YELLOW									
PIONEER BRAND 3535	117.0	118.6	147.4	16.6	91.0	15.1		P-A-G 7545			121.9	17.7	91.0	16.4			
TRJAN TXS 114	129.3	114.4	144.0	17.3	100.0	11.4		MUNCY CHIEF SX808B			121.8	18.0	90.0	14.5			
DEKALB XL72AA			143.1	16.2	91.4	12.1		ADLERS 87X	117.4		121.7	17.7	93.3	8.6			
VORIS SEEDS V2532		118.4	142.5	16.5	92.4	8.6		PIONEER BRAND 3369A	132.2	117.3	120.8	18.0	90.0	39.8			
TRJAN TXS 113	121.9	118.9	142.5	17.1	94.8	9.0		SEED KEM SKX-9800			120.1	17.7	87.1	20.7			
SO. STATES SS775	118.4	114.8	142.2	16.1	100.0	11.4		TRJAN TXS 115A	115.9	105.9	120.0	17.3	92.0	18.7			
STEWART SX 77			141.5	16.5	88.6	7.8		FUNK'S G4628	115.5	105.0	120.0	18.4	80.0	7.1			
ZIMMERMAN Z24Y	130.2	118.7	140.7	17.1	100.0	21.4		ACCO UC 9451		111.8	119.9	17.7	85.2	18.9			
WILSTAP 6663			139.7	16.6	91.9	26.3		S S HYBRIDS 7100			119.4	18.0	89.0	17.7			
HULTING X980	128.8	122.2	139.5	17.1	97.6	12.3		GOLDEN HYBRIDS SX104		110.9	118.9	18.3	88.1	17.1			
NORTHROP-KING PX74	116.4	110.2	139.0	16.9	90.5	11.3		MIGRO M-7072	122.5	114.0	117.7	17.3	86.2	13.4			
FUNK'S G4520			138.8	17.0	95.7	8.5		STEWART SX 71K	108.4	104.7	117.7	17.1	84.3	21.2			
HULTING X880		116.2	136.4	17.0	92.4	10.8		GOLDEN HARVEST H2650			116.9	18.3	79.5	11.8			
TRJAN TXS 119			135.7	17.9	91.9	12.9		GUTWEIN 86	131.0	108.0	116.2	16.7	95.7	22.1			
P-A-G SX 17A			135.4	16.5	88.6	9.4		PREMIER SX633			116.1	17.0	82.4	11.5			
SO. STATES SS727			135.3	17.8	95.2	12.2		FUNK'S G4525			115.7	16.0	93.8	24.3			
SECURITY SS112			135.0	17.1	93.8	8.6		DEKALB XL72B	117.1	100.1	115.6	16.7	76.7	11.6			
ASGROW RX 90			134.4	16.3	93.8	8.6		PIONEER BRAND 3161	116.0	116.4	114.0	19.5	84.3	20.5			
P-A-G 340			134.0	17.8	95.7	3.6		SEED KEM SKX-76			111.7	16.3	92.4	22.7			
SUPER CROST 5440	117.0	113.4	133.9	15.0	88.1	13.3		MIGRO M-5045		95.3	110.9	16.4	95.2	14.0			
SO. STATES SS795P			133.9	16.9	97.6	14.1		MUNCY CHIEF SX878	105.9	95.5	109.9	16.8	79.0	30.8			
GOLDEN ACRES T-E 6969	119.9	116.5	133.6	16.9	90.5	20.5		DEKALB XL80	112.8	97.4	109.8	17.8	81.4	21.1			
PIONEER BRAND 3368A			133.6	17.3	92.0	31.0		FUNK'S G4848			107.7	20.3	87.6	15.2			
MCNAIR X170			132.2	18.2	92.4	12.4		S S HYBRIDS 86	115.1	111.1	104.9	16.7	90.5	23.4			
NORTHROP-KING PX79			132.6	15.5	97.1	7.4		PREMIER 68R			104.0	17.6	98.6	23.7			
SEED KEM SKX-86			132.4	17.1	99.0	15.4		O'S GOLD SX5500			96.5	18.8	82.0	11.8			
MCNAIR X194			132.4	19.4	87.6	11.8		GUTWEIN 88A	111.1	95.3	92.9	18.7	85.7	26.5			
DEKALB XL78	115.4	106.4	132.3	17.9	95.7	26.3											
SECURITY SS120		120.5	131.9	18.9	88.1	9.7		YELLOW AVERAGE			126.3	17.5	90.3	15.9			
RING AROUND RA2502			130.3	18.2	80.5	15.6		WHITE									
SUPER CROST 6880			130.3	17.8	89.5	23.4		WHITMERMAN Z11W	126.6	115.2	119.9	17.0	93.3	17.2			
P-A-G SX 98	119.1	121.5	129.6	17.0	86.2	12.9		FUNK'S G4747W		104.4	117.4	18.0	95.2	32.9			
NORTHROP-KING PX675			129.4	16.4	94.8	11.0		GOLDEN ACRES T-E 6999W			117.4	17.8	89.0	27.4			
MIGRO M-7074			129.1	19.1	94.8	6.1		DEKALB XL580A			104.5	116.7	18.4	81.0	20.1		
GOLDEN HARVEST H2666			129.1	17.8	89.5	9.8		ZIMMERMAN Z52W			106.4	116.2	19.3	95.2	13.4		
VORIS SEEDS V2642			127.8	18.6	85.7	11.6		SO. STATES SS950W			114.6	18.6	98.1	24.9			
DEKALB XL372			127.6	16.9	91.0	9.8		GOLDEN HARVEST H2660W	124.0	112.1	112.1	19.0	78.1	15.8			
COCKER 16	114.5	112.1	127.5	17.5	96.2	11.8		ASGROW RX 95W			111.4	16.8	94.3	29.0			
FUNK'S G4507		109.6	126.6	18.5	90.0	7.3		PRINCETON 960			109.0	19.6	83.3	20.5			
PIONEER BRAND 3184			125.7	19.1	93.3	34.2		MASON 850			107.1	18.9	99.0	10.1			
RING AROUND SX2766			125.6	20.1	94.8	11.5		PRINCETON SX 910	114.4	102.3	106.2	19.4	81.9	18.3			
BO-JAC X91			125.4	16.7	75.7	15.5		PIONEER BRAND 511A	105.0	93.8	101.3	19.4	98.1	23.8			
DENNIS 37		110.4	125.2	16.6	88.1	33.0		P-A-G 644W	88.4	91.0	98.6	20.8	100.0	32.4			
PRINCETON SX 850	121.8	112.6	124.9	16.7	93.3	21.7		RING AROUND RA2602W			95.7	19.1	77.1	23.6			
GOLDEN ACRES T-E 6992			124.9	17.1	90.0	18.5											
MASON 8869	115.4	96.8	123.9	20.8	87.1	8.4		WHITE AVERAGE			110.3	18.8	90.3	22.1			
WILSTAP 7774			123.3	19.1	87.1	18.7		GRAND AVERAGE	117.8	110.2	123.8	17.7	90.3	16.9			
COCKER 18			123.3	19.1	87.1	18.7											
BO-JAC X83	131.0	105.8	122.1	16.3	89.0	21.2											

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS					
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED		
YELLOW															
COKE 18			186.5	21.9	92.9	0.5	YELLOW								
ZIMMERMAN Z24Y	158.2	166.4	181.8	18.3	95.7	0.0	ACCO UC 9451		154.4	149.6	22.1	74.8	0.0		
SO.STATES SS727			181.0	20.1	90.5	0.0	FUNK'S G4525			145.4	17.4	86.2	0.6		
P-A-G SX 17A			179.3	18.6	96.7	1.0	GOLDEN ACRES T-E 6992			145.3	19.5	89.5	0.0		
GUTWEIN 86	148.8	172.3	179.3	19.0	90.5	1.7	TROJAN TXS 113	139.7	141.7	149.0	18.7	91.0	1.0		
TROJAN TXS 114	149.9	152.9	175.9	18.0	81.0	1.7	SEED KEM SKX-9800			148.7	19.8	90.5	1.7		
DENNIS 37		172.5	175.7	18.5	95.2	0.5	GOLDEN HARVEST H2650			148.2	21.4	82.9	0.0		
FUNK'S G4848			174.7	23.9	80.5	0.0	PIONEER BRAND 3368A		157.1	148.2	19.5	95.2	0.5		
NORTHROP-KING PX74	152.1	164.2	174.3	18.2	93.8	0.5	FUNK'S G4520			148.1	19.0	79.5	1.1		
PREMIER SX633			173.2	18.6	89.0	0.0	MUNCY CHIEF SX878	127.4	134.3	148.1	21.4	88.6	1.1		
HULTING X980	152.9	165.7	172.1	21.1	92.4	0.5	NORTHROP-KING PX675			147.9	18.2	95.2	0.0		
GOLDEN HYBRIDS SX104			168.0	18.6	84.3	0.0	DEKALB XL372			147.7	17.8	89.0	1.1		
VORIS SEEDS V2532		168.2	168.1	19.5	91.0	0.0	SO.STATES SS775	137.2	138.4	146.1	19.0	91.0	0.5		
SECURITY SS112			167.3	20.2	81.4	0.0	MASON 8869	131.9	141.6	146.1	18.1	88.6	1.0		
SECURITY SS120		158.6	167.3	24.1	79.0	0.0	TROJAN TXS 115A	134.7	139.4	145.4	18.0	77.6	0.0		
S S HYBRIDS 86	154.2	162.1	167.2	19.0	95.2	0.0	DEKALB XL78	142.3	152.8	145.3	21.0	88.6	1.0		
HULTING X880		168.4	167.0	20.4	81.0	0.0	RING AROUND SX2766			145.1	21.4	86.7	0.0		
STEWART SX 71K	141.4	155.7	166.8	19.8	86.2	0.0	FUNK'S G4628	141.5	137.0	143.3	20.6	69.5	0.0		
BO-JAC X83	155.1	167.9	166.7	19.1	90.5	0.5	P-A-G 340			141.1	19.2	75.7	0.0		
DEKALB XL72AA			166.2	18.8	86.7	1.0	PRINCETON SX 850	140.7	147.0	137.5	20.8	90.0	2.1		
MIGRO M-7072	150.8	163.9	165.4	19.8	97.1	1.9	PREMIER 688			136.2	21.9	84.8	0.0		
GOLDEN HARVEST H2666		158.6	165.2	20.3	89.5	0.0	BO-JAC X91			133.8	22.2	82.9	0.0		
WILSTAR 6663			165.1	19.0	90.5	0.0	P-A-G SX 98	147.1	144.8	132.8	21.4	78.6	0.5		
COKE 16	137.9	153.8	164.5	18.8	90.0	1.6	O'S GCLD SX5500			131.6	20.1	62.9	2.1		
PIONEER BRAND 3184			164.3	19.4	84.3	0.0	MUNCY CHIEF SX8088			125.5	20.9	86.7	1.1		
RING AROUND RA2502			163.8	21.6	95.2	2.4	MCNAIR X170		131.7	123.6	18.7	81.0	1.2		
MCNAIR X194			163.6	19.9	93.3	1.1	GUTWEIN 88A	127.9	134.7	123.5	21.4	74.8	3.4		
MIGRO M-7074		158.8	162.6	22.3	87.1	1.6	SEED KEM SKX-76			120.6	19.8	86.7	0.0		
S S HYBRIDS 7100			162.4	20.7	78.6	0.6	YELLOW AVERAGE	144.1	154.0	156.5	19.9	87.0	0.7		
WILSTAR 7774			161.6	21.1	84.8	0.5	WHITE								
SUPER CROST 5440	150.1	163.4	161.3	19.0	79.0	1.8	ZIMMERMAN Z11W	155.4	172.3	175.8	23.3	94.3	1.1		
ADLERS 87X		149.0	161.0	21.4	91.4	1.5	DEKALB XL390A		150.6	174.8	21.3	82.9	0.0		
FUNK'S G4507		158.1	160.6	19.2	83.3	0.0	P-A-G 644W	139.1	157.3	173.0	21.5	91.4	1.1		
SO.STATES SS795P			160.1	20.6	96.7	2.0	ZIMMERMAN Z52W		168.9	172.1	22.5	91.0	0.0		
GOLDEN ACRES T-E 6968	148.8	153.2	159.9	19.1	97.1	0.0	PRINCETON SX 910	156.2	163.7	170.7	20.9	83.8	1.1		
VORIS SEEDS V2642		145.8	159.8	19.6	87.6	0.0	SO.STATES SS950W			169.7	24.0	92.4	1.1		
MIGRO M-5045		144.4	159.5	17.3	97.1	1.4	PRINCETON 260			167.2	20.5	84.8	2.2		
PIONEER BRAND 3161	144.7	151.0	159.1	20.8	94.8	0.0	GOLDEN HARVEST H2660W	134.6	145.6	163.8	22.0	77.6	0.5		
TROJAN TXS 119			159.0	21.4	85.7	0.0	ASGROW RX 95W			162.9	20.3	86.7	1.6		
ASGROW RX 90			156.9	19.4	89.0	0.0	FUNK'S G4747W		160.4	159.6	22.0	95.2	0.0		
PIONEER BRAND 3369A	158.6	162.6	156.7	18.9	83.3	0.5	PICNEER BRAND 511A	139.2	149.1	151.6	23.6	76.2	3.1		
PIONEER BRAND 3535	137.6	147.8	155.7	17.6	89.5	0.5	RING AROUND RA2602W			150.9	23.1	71.4	2.8		
SUPER CROST 6880			155.6	19.7	84.8	1.7	GOLDEN ACRES T-E 6999W			146.3	20.8	92.4	1.0		
STEWART SX 77			153.3	19.5	77.6	3.5	MASON 5850			145.1	19.6	85.7	1.1		
SEED KEM SKX-86		153.6	155.2	18.7	95.2	1.5	WHITE AVERAGE	144.9	158.5	163.1	21.8	86.1	1.2		
NORTHROP-KING PX79		161.9	153.8	18.6	91.4	0.0	GRAND AVERAGE	144.2	154.7	157.6	20.2	86.9	0.8		
P-A-G 7545			153.7	19.5	91.9	1.1									
DEKALB XL80	137.6	150.7	152.8	21.4	79.5	0.0									
DEKALB XL72B	142.2	148.8	151.6	19.1	83.8	1.7									

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS						
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED			
YELLOW																
ADLERS 87X		160.9	203.3	22.0	91.4	0.5	YELLOW									
PIONEER BRAND 3368A		165.7	201.5	22.0	90.5	1.0	STEWART SX 77			172.4	20.5	76.7	0.0			
GOLDEN HYBRIDS SX104		163.1	199.6	20.1	91.4	1.0	DEKALB XL72AA			172.2	19.1	85.0	0.0			
GUTWEIN 86	153.6	151.8	198.8	20.2	96.7	0.0	FUNK'S G4525			170.9	19.1	94.3	1.0			
NORTHROP-KING PX79		160.3	197.3	19.2	93.8	0.5	WILSTAR 6663			170.8	19.7	82.9	0.6			
DENNIS 37		151.5	194.9	19.6	98.1	0.5	MASON 8869	145.0	136.1	170.7	20.9	87.6	0.0			
PIONEER BRAND 3365A	162.6	163.7	194.1	20.4	87.1	0.5	TROJAN TXS 114	141.7	113.2	169.3	18.6	78.6	0.0			
ZIMMERMAN Z24Y	167.4	169.3	192.6	20.9	94.3	1.4	FUNK'S G4628	149.0	140.2	169.0	22.6	80.5	0.0			
COKE 16	155.9	157.0	191.2	20.5	89.5	0.0	GOLDEN ACRES T-E 6968	142.6	125.3	168.2	20.2	95.2	1.0			
SECURITY SS112			190.0	20.0	84.8	0.0	VORIS SEEDS V2532		147.3	168.0	20.0	89.5	1.2			
HULTING X980	150.5	150.8	189.6	20.8	90.5	0.0	GOLDEN HARVEST H2650			168.0	22.7	80.5	0.6			
PIONEER BRAND 3161	161.7	161.0	189.5	22.4	95.7	1.4	WILSTAR 7774			165.1	22.1	80.0	0.6			
PREMIER SX633			189.4	18.8	92.9	0.0	SUPER CROST 6880			165.0	19.4	78.1	3.7			
FUNK'S G4848			188.7	25.2	83.8	0.0	DEKALB XL80	142.6	128.8	164.7	21.9	76.7	0.0			
MIGRO M-7072	160.6	158.9	187.8	20.6	98.6	0.0	MUNCY CHIEF SX878	136.5	123.4	164.5	22.3	85.2	1.0			
FUNK'S G4520			187.6	19.9	92.4	0.0	SEED KEM SKX-86			129.6	163.8	21.1	91.0	1.0		
ASGROW RX 90			187.4	19.5	91.4	0.0	TROJAN TXS 115A	138.6	129.2	162.1	19.0	81.9	0.0			
SO.STATES SS775	158.5	148.7	187.0	20.0	90.0	2.7	ACCO UC 9451			148.6	161.2	21.6	78.6	1.1		
TROJAN TXS 119			186.8	22.4	86.7	1.8	MCNAIR X170			132.4	160.3	21.0	86.2	0.0		
MIGRO M-7074		160.7	185.8	25.0	86.2	0.0	S S HYBRIDS 86	149.5	139.2	160.3	21.0	91.0	0.5			
BO-JAC X83	158.4	156.7	185.5	21.2	95.7	0.0	MIGRO M-5045			120.5	159.2	18.2	88.6	0.0		
P-A-G SX 17A			185.3	19.8	88.6	0.0	DEKALB XL72B	139.1	130.4	158.9	21.7	75.2	1.3			
NORTHROP-KING PX675			184.2	19.2	91.9	0.0	O'S GCLD SX5500			155.0	22.4	72.9	0.7			
SO.STATES SS727			184.1	18.9	89.5	0.0	RING AROUND SX2766			152.4	23.0	80.0	1.8			
COKE 18			183.9	22.9	80.5	0.0	PIONEER BRAND 3535	138.4	132.3	151.9	18.2	81.0	4.2			
SEED KEM SKX-9800			183.4	20.8	97.6	1.0	GUTWEIN 88A									

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS										
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED							
YELLOW																				
PREMIER SX633			207.7	20.9	91.4	0.5	YELLOW													
DENNIS 37		173.0	196.3	21.4	90.0	3.7	DEKALB XL78	130.9	144.7	156.7	21.2	90.5	2.8							
FUNK'S G4520			192.0	20.6	86.7	1.1	SEED KEM SKX-86		135.5	156.7	19.9	82.9	1.0							
GOLDEN HYBRIDS SX104			191.6	22.2	84.8	1.1	NORTHROP-KING PX79		144.1	156.4	21.0	90.0	1.4							
VORIS SEEDS V2532	147.6		187.3	19.4	92.9	2.0	ACCO UC 9451		138.3	155.3	23.4	76.7	3.4							
P-A-G SX 17A	164.0		185.8	21.6	80.5	1.8	SUPER CROST 6880			155.3	20.2	81.4	3.5							
NORTHROP-KING PX74	138.1	155.3	184.6	18.9	90.5	0.5	MCNAIR X194			155.3	22.1	82.9	2.9							
PIONEER BRAND 3161	138.8	146.7	184.3	21.2	95.2	2.0	GOLDEN ACRES T-E 6992			154.9	20.1	84.3	4.0							
ASGROW RX 90			182.3	22.2	87.1	2.8	TROJAN TXS 113	122.4	131.6	157.9	18.7	81.4	2.8							
MIGRO M-7072	134.9	151.4	180.7	20.2	95.2	6.0	P-A-G 7545			151.3	20.2	89.0	5.8							
S S HYBRIDS 86	136.4	154.2	179.5	20.6	95.2	3.5	MASON 8869	123.9	125.2	150.3	22.6	81.0	0.0							
TROJAN TXS 119			179.1	23.4	87.6	4.4	RING AROUND SX2766			150.0	22.9	85.7	7.3							
GOLDEN HARVEST H2666		153.5	176.7	22.3	89.0	4.4	SECURITY SS120		131.8	149.8	20.9	81.9	2.3							
PIONEER BRAND 3184			173.4	24.0	84.3	0.6	ADLERS 87X		128.4	148.6	20.8	91.0	6.2							
MIGRO M-5045		145.2	171.4	17.8	91.4	3.2	BO-JAC X91			147.9	23.8	88.6	1.1							
BO-JAC X83	143.0		170.2	19.3	94.8	0.0	DEKALB XL72B	123.5	126.6	147.3	20.1	83.8	1.2							
HULTING X880			170.1	21.1	79.5	0.6	FUNK'S G4525			141.9	17.6	88.1	2.2							
SO.STATES SS775			170.0	20.7	92.9	2.4	P-A-G SX 98	125.0	131.5	141.8	20.3	77.6	1.9							
SO.STATES SS727	132.8		169.5	22.4	85.7	2.7	SEED KEM SKX-76			141.0	22.1	77.1	6.7							
MCNAIR X170		143.0	168.2	20.5	86.7	1.5	GOLDEN HARVEST H2650			140.3	20.9	79.0	1.7							
WILSTAR 6663			168.1	21.5	86.7	7.5	S S HYBRIDS 7100			137.9	24.8	77.1	1.8							
SECURITY SS112			168.1	21.9	83.3	1.2	FUNK'S G4628	115.7	127.2	137.5	21.3	85.2	2.8							
PIONEER BRAND 3369A	142.6	149.2	167.5	20.5	81.9	2.3	MUNCY CHIEF SX808B			135.6	22.0	78.6	3.9							
SUPER CROST 5440	137.9	142.4	167.5	20.3	83.3	0.0	O'S GOLD SX5500			135.2	20.6	67.6	2.9							
FUNK'S G4507		149.2	167.2	21.2	92.4	3.9	COCKER 18			133.2	20.6	83.8	13.6							
RING AROUND RA2502			167.2	22.7	82.4	2.3	GUTWEIN 88A	120.8	115.1	117.3	20.7	76.2	8.2							
ZIMMERMAN Z24Y	144.9	156.4	167.1	22.2	93.3	2.0	MUNCY CHIEF SX878	102.8	095.7	109.6	22.3	71.4	15.5							
STEWART SX 77			166.5	20.9	74.3	0.0														
FUNK'S G4848			166.2	26.2	81.0	2.3	YELLOW AVERAGE	129.3	135.8	161.2	21.2	85.4	3.1							
TROJAN TXS 114	133.2	134.2	165.6	20.6	73.8	0.0	WHITE													
VORIS SEEDS V2642			164.0	21.7	91.4	3.6	SO.STATES SS950W			187.3	25.0	83.8	1.7							
MIGRO M-7074			163.3	23.1	97.1	0.5	ZIMMERMAN Z52W		145.1	175.5	24.4	92.9	2.0							
GUTWEIN 86	124.9	134.2	162.9	19.6	92.4	1.0	ZIMMERMAN Z11W	140.7	141.0	171.8	23.9	98.1	12.0							
HULTING X980	125.4	135.4	162.8	22.5	87.6	3.8	GOLDEN HARVEST H2660W	138.3	148.3	171.7	23.9	87.6	4.9							
SO.STATES SS795P			162.5	21.1	93.3	7.2	FUNK'S G4747W			148.6	169.2	25.4	85.7	5.7						
WILSTAR 7774			162.2	21.2	90.0	3.2	PRINCETON SX 910	137.2	144.8	166.3	26.1	86.7	1.6							
DEKALB XL72AA			161.3	20.6	79.0	4.4	DEKALB XL390A			132.2	164.9	21.8	71.9	2.0						
PIONEER BRAND 3535	129.5	136.0	161.1	17.3	86.2	0.5	PRINCETON 960			159.9	25.5	87.6	3.3							
NORTHROP-KING PX675			160.4	21.3	85.7	3.3	PIONEER BRAND 511A	117.9	127.2	151.6	24.8	82.4	25.0							
PIONEER BRAND 3368A		139.8	159.6	19.9	91.4	4.2	RING AROUND RA2602W			140.0	24.3	63.8	1.6							
STEWART SX 71K	121.1	120.7	159.1	19.3	81.9	3.3	MASON 5850			139.0	25.7	82.9	0.6							
DEKALB XL80	132.2	135.9	158.7	23.5	73.3	5.3	GOLDEN ACRES T-E 6959W			137.0	21.6	83.3	7.1							
PRINCETON SX 850	130.1	136.0	158.5	21.8	85.7	1.2	ASGROW RX 95W			135.8	20.3	82.4	21.7							
SEED KEM SKX-9800			158.5	21.4	90.5	3.7	P-A-G 644W	113.1	123.1	134.8	22.9	91.9	4.7							
DEKALB XL372			158.0	21.0	85.7	5.0	WHITE AVERAGE	129.4	138.8	157.5	24.0	84.4	6.7							
TROJAN TXS 115A	136.2	138.1	157.8	21.4	79.0	0.0	GRAND AVERAGE	129.4	139.6	160.6	21.6	85.2	3.7							
GOLDEN ACRES T-E 6968	126.5	130.6	157.8	22.6	94.3	2.0														
PREMIER 688			157.6	22.5	79.0	4.2														
COCKER 16	118.9	134.2	156.9	20.4	86.7	2.9														

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1976 RESULTS										
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED							
YELLOW																				
PIONEER BRAND 3368A		183.6	206.0	20.7	95.2	1.6	YELLOW													
COCKER 18			203.5	24.3	92.9	3.5	FUNK'S G4525			172.9	17.7	97.6	2.9							
GOLDEN HYBRIDS SX104		189.6	201.2	19.9	91.0	0.6	STEWART SX 77			172.9	20.5	80.5	1.2							
SO.STATES SS727			201.1	19.8	97.6	1.4	MIGRO M-7074		164.5	171.2	21.8	93.3	3.1							
PREMIER SX633			200.2	19.5	89.5	1.1	S S HYBRIDS 7100			171.0	21.7	77.1	0.0							
BO-JAC X83			199.5	19.7	96.2	1.0	MUNCY CHIEF SX878	149.7	145.9	171.0	21.3	89.0	1.7							
ZIMMERMAN Z24Y	170.3	174.8	198.6	18.9	93.3	0.5	SO.STATES SS775	153.3	155.8	169.5	19.3	88.1	1.1							
VORIS SEEDS V2532		175.3	198.4	21.0	95.2	1.4	VORIS SEEDS V2642			156.7	16.9	21.3	80.5	2.9						
P-A-G SX 17A			198.0	18.6	100.0	0.5	RING AROUND RA2502			168.7	21.1	79.0	0.6							
HULTING X980	158.4	168.4	193.9	22.6	87.6	4.7	FUNK'S G4628	159.1	159.2	168.5	21.0	80.5	2.3							
HULTING X880			172.3	19.5	90.5	1.0	P-A-G SX 98	150.9	150.5	167.9	22.1	78.1	3.7							
PRINCETON SX 850	167.0	178.5	193.7	19.1	94.8	1.6	MASON 8869	139.4	147.7	167.2	18.6	84.8	1.1							
NORTHROP-KING PX74	157.5	165.0	193.2	19.0	94.3	1.0	MCNAIR X170			162.5	20.5	89.5	1.0							
ASGROW RX 90			192.9	19.3	94.8	0.0	STEWART SX 71K	141.3	142.3	166.3	19.7	83.3	2.7							
FUNK'S G4520			191.7	20.0	86.7	0.0	TROJAN TXS 113	150.1	153.7	165.6	19.9	93.3	1.0							
GUTWEIN 86	160.8	169.1	191.5	19.1	88.6	1.1														