



KENTUCKY HYBRID CORN PERFORMANCE TEST — 1974

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PROGRESS REPORT 215

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**LOCATIONS OF THE 1974
KENTUCKY HYBRID CORN PERFORMANCE TEST**



(Locations identified in Table 3.)

ACKNOWLEDGMENTS

The authors are grateful to Mr. John Byars and Dr. Paul Cornelius, Department of Agronomy, for their assistance in summarizing the results presented in this progress report. Also acknowledgments are made to the following persons who aided in the conduct of this year's performance test:

- Dr. Morris Bitzer, Extension Specialist in Grain Crops, Lexington.
- Dr. James Herbek, Extension Specialist in Grain Crops, West Kentucky Substation, Princeton.
- Charles Tutt, Research Specialist, West Kentucky Substation, Princeton.
- Harvey Mitchell, Superintendent, West Kentucky Substation, Princeton.
- George A. Armstrong, Superintendent, Robinson Substation, Quicksand.
- C. E. Wyatt, Area Extension Specialist, Mayfield.
- John Kavanaugh, Area Extension Agent, Hartford.
- William Hendrick, Extension Agent, Henderson.
- Don Kessler, Extension Agent, Franklin.
- Jack Snyder, Extension Agent, Elizabethtown.
- Aubrey Warren, Extension Agent, Russellville

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

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

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

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

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

HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	HYBRID	VIRUS RATING	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW						YELLOW					
STULL'S SX2700	6.0	78.2	23.8	80.2	11.2	FUNK'S G4810	2.0	105.2	26.5	90.6	1.8
BO-JAC 8371	4.7	90.1	22.4	87.5	19.0	PIONEER BRAND 3179	1.7	112.7	24.3	82.8	5.7
HOLDENS 1048	4.3	93.2	22.7	80.2	8.0	FUNK'S G4762	1.7	98.5	28.0	75.5	1.7
BO-JAC X83	3.7	98.6	23.1	84.9	9.2	FUNK'S EXP 25601	1.7	105.7	20.9	89.6	1.2
ZIMMERMAN Z24Y	3.7	100.9	22.9	94.3	3.4	HULTING EXP 73649	1.7	86.6	23.4	87.0	9.2
MCNAIR 73002	3.7	104.6	26.5	92.2	12.3	NORTHROP-KING PX91	1.7	131.6	24.1	89.6	1.8
PRINCETON 865	3.7	102.8	24.1	90.6	14.4	NORTHROP-KING PX737	1.7	112.5	26.8	91.1	2.9
GOLDEN HARVEST H2750	3.3	99.6	26.8	84.9	6.7	TROJAN X 142	1.7	96.1	23.4	92.7	2.2
HOLDENS 1026	3.3	112.2	30.9	84.9	1.3	TROJAN X 2722	1.3	108.1	26.8	80.2	7.2
HULTING X8775	3.0	79.6	20.9	84.9	6.4	VORIS SEEDS V2632	1.3	106.8	22.9	83.9	3.0
BO-JAC X7L	3.0	105.3	23.1	85.4	5.0	PIONEER BRAND 3145	1.3	118.0	26.6	90.6	2.8
PRINCETON MD 885	3.0	88.1	23.7	81.3	8.8	PIONEER BRAND 3147	1.0	140.2	26.7	71.9	0.0
SO.STATES SS866	2.7	68.4	24.4	75.5	13.7	P-A-G SX 17A	1.0	128.0	23.5	87.0	4.1
ASGROW RX 115	2.7	103.2	23.5	89.6	2.9	FUNK'S EXP 26550	1.0	77.9	24.6	90.1	2.3
HULTING X770	2.7	82.8	21.4	66.1	10.2	MASON 9997	1.0	101.1	26.8	82.8	5.0
MCNAIR X300	2.7	122.4	26.4	84.4	1.2	MIGRO M-600	1.0	124.2	22.8	81.3	6.3
GOLDEN HARVEST H2626	2.7	103.7	24.0	86.5	3.4						
SUPER CROST 70DR	2.7	85.3	19.9	89.6	4.8	YELLOW AVERAGE	2.4	101.1	24.8	85.0	5.9
T-E VR-20-Y	2.3	71.4	23.6	83.3	6.9	WHITE					
MCNAIR S338	2.3	115.3	25.5	90.6	3.9	ASGROW RX 123W	3.3	74.5	27.9	72.9	4.4
TROJAN X 3524	2.3	97.2	24.8	90.6	1.1	KENTUCKY 5921W	2.7	93.0	24.3	78.1	5.6
KENTUCKY 105	2.0	96.6	25.2	92.2	4.5	ASGROW RX 125W	2.0	96.1	26.7	82.8	7.6
STULL'S SP2825	2.0	103.9	26.4	84.4	12.3	ZIMMERMAN Z11W	1.3	98.1	27.5	92.7	2.3
COKER 56	2.0	80.9	29.8	72.9	10.8	ZIMMERMAN Z52W	1.3	118.0	26.7	86.5	4.2
HOLDENS 1028	2.0	107.8	28.7	86.5	3.2	PRINCETON SX 910	1.0	112.2	26.5	94.3	1.7
DEKALB XL72B	2.0	108.2	24.7	81.3	4.6						
GOLDEN HARVEST H2831	2.0	92.2	27.7	85.4	8.3	WHITE AVERAGE	1.9	98.7	26.6	84.5	4.3
						GRAND AVERAGE	2.3	100.8	25.0	85.0	5.7

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

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

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

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

Kentucky Hybrid Corn Performance Test 1974

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

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

PRESENTATION OF DATA

Complete 1974 data are presented for each location where a test was conducted. Two-year and three-year yield averages are included in each of the single location tables. Readers are encouraged to consider these multiple-year averages and the averages over locations (Tables 12, 13, and 14) since these are better estimates of a hybrid's relative yield ability than data gathered at one location in one year.

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

TESTING PROCEDURE

SELECTION OF HYBRIDS

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

Those hybrids grown in the corn virus test and high population tests are indicated in column 2 of Table 2. The hybrid corn companies were asked to nominate those hybrids known to have virus resistance for inclusion in the virus test. Hybrids grown in the high population tests were also suggested by the parent company; thus, not all hybrids will appear in the virus or high-population test results.

LOCATION OF TESTS

The map on page 2 shows the location for each test. The Lexington and Princeton locations had both normal and high population tests, while all other locations had only the normal population. The Russellville site was specifically chosen for the presence of corn virus.

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

CULTURAL PRACTICES

The seedbed at each location except Elizabethtown and Franklin was prepared by conventional tillage methods. Fertilizer was applied as indicated by soil tests. The test at Elizabethtown was planted in an orchardgrass sod and at Franklin in a fescue sod, using recommended no-tillage practices. The test areas were treated with herbicide and supplemented by post-emergence cultivation when necessary. Table 3 shows the specific treatment for each location.

EXPERIMENTAL DESIGN

Uncontrollable variability of soil types, fertility, and other factors was sampled by using three replications of an appropriate balanced lattice design. A separate randomization was used for each location. Yields presented in Tables 4 through 22 are adjusted for block and replication differences when shown applicable by statistical analyses.

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

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL LODGE	HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL LODGED
YELLOW									
TROJAN TXS 114	159.0	25.0	87.9	12.6	MENAIR XL94	133.6	22.9	83.5	10.7
DEKALB XL78	153.9	25.4	89.4	12.4	SUPER CROST 7772	133.6	23.5	87.5	12.5
80-JAC X7L	151.5	25.2	91.1	15.2	STEWART SX 71K	132.0	22.6	88.5	14.0
NORTHUP-KING PX76	150.2	22.9	86.6	9.5	DEKALB XL728	132.0	23.6	86.0	10.1
MIGRO M-6666	146.5	22.9	84.1	7.7	HULTING X980	131.7	24.8	83.5	19.3
GUTHEIN 666	145.0	23.7	86.4	14.9	DEKALB XL68	131.7	22.7	88.4	22.2
SUPER CROST S67	144.7	23.1	93.4	9.5	MIGRO M-7070	131.3	25.0	76.3	13.2
TROJAN TXS 115A	144.2	22.5	88.3	11.2	FUNK'S G4737	130.4	24.9	84.3	17.3
S S HYBRIDS JX-7101	144.6	22.5	85.2	9.4	PIONEER BRAND 3161	130.3	24.6	82.2	10.7
S S HYBRIDS JX-86	143.6	23.4	86.2	14.9	NORTHUP-KING PX77	129.9	22.2	84.5	8.4
MIGRO M-7072	141.9	23.6	84.1	17.5	FUNK'S G4646	126.3	24.0	83.3	12.8
80-JAC X62	141.4	23.0	89.2	8.3	HULTING X770	125.2	21.9	86.7	23.8
80-JAC X7L-10	141.1	25.2	85.0	11.9	SEED KEM SKX-66	125.2	21.8	81.6	9.3
50-STATES S5775	140.1	23.3	90.7	6.7	HULTING X9880	121.2	25.3	85.0	20.5
GUTHEIN 65A	139.8	22.9	89.2	10.8	STEWART SX 58	119.4	24.2	82.4	21.3
COKER 16	139.7	23.1	88.1	10.8	MUNCY CHIEF H764	118.6	22.6	87.3	21.0
PIONEER BRAND 3571	139.4	20.5	86.2	10.0	NORTHUP-KING PX74	116.4	23.2	82.4	19.6
KENTUCKY 105	139.2	26.0	90.5	27.0	SD-STATES S5750	113.1	23.2	91.9	15.1
NORTHUP-KING PX79	139.1	23.2	84.3	13.4	MIGRO M-5045	113.1	22.2	79.4	8.1
MCNAIR X170	137.5	22.1	88.4	10.3	HULTING X9861	106.2	21.4	85.0	24.9
VORIS SEEDS V2502	137.3	21.4	90.3	7.1	YELLOW AVERAGE	134.9	23.3	86.3	13.6
MCNAIR XL90	136.5	24.5	90.3	16.4	WHITE				
TROJAN TXS 113	136.3	22.5	88.1	9.7	MCNAIR X233	129.6	29.1	92.6	15.9
VORIS SEEDS V2562	135.7	23.2	83.1	11.0	WHITE AVERAGE	129.6	29.1	92.6	15.9
MUNCY CHIEF SX662	135.6	23.1	87.1	16.9	GRAND AVERAGE	134.7	23.5	86.5	13.7
SUPER CROST S85	134.4	24.4	88.8	10.8					
PIONEER BRAND 3535	133.8	20.7	85.0	15.3					

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

HYBRID	3-YR		2-YR		1974		1974		1974		RESULTS		TOTAL LODGED
	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	YIELD BU/AC	AVG MOIST	AVG MOIST	AVG MOIST	AVG MOIST	AVG MOIST	AVG MOIST	STAND	RESULTS	
YELLOW													
NORTHUP-KING PX76	185.5	198.5	198.5	185.5	24.9	24.9	95.5	2.4	95.5	24.7	95.5	95.5	7.4
TROJAN TX 114	175.7	195.3	195.3	175.7	26.8	26.8	94.3	1.2	94.3	26.9	89.8	89.8	7.0
MIGRO W-6666	175.5	187.7	187.7	175.5	24.8	24.8	93.6	6.4	93.6	24.8	86.4	86.4	4.2
80-JAC X7L	159.7	184.9	184.9	159.7	26.6	26.6	97.3	14.8	97.3	22.8	91.3	91.3	2.4
GUTHAIN 64		183.8	183.8		30.0	30.0	93.2	9.4	93.2	25.4	87.1	87.1	5.8
KENTUCKY 105		181.0	181.0		24.5	24.5	97.0	3.9	97.0	25.8	94.3	94.3	8.1
SUPER CROST S67		178.8	178.8		24.0	24.0	96.2	11.0	96.2	25.8	85.2	85.2	18.2
GUTHAIN 65A		178.6	178.6		24.9	24.9	93.2	3.7	93.2	27.1	90.2	90.2	2.9
S S HYBRIDS JX-7101		176.8	176.8		27.2	27.2	92.4	2.9	92.4	23.5	83.3	83.3	0.5
DEKALB XL78		176.6	176.6		25.9	25.9	95.8	8.6	95.8	26.2	93.9	93.9	10.9
MCNAIR X190		172.7	172.7		25.4	25.4	85.6	3.6	85.6	24.0	93.2	93.2	15.9
MIGRO W-7072	164.3	172.6	172.6	164.3	27.1	27.1	93.9	6.4	93.9	25.9	93.2	93.2	7.3
80-JAC X7L-10		172.4	172.4		24.4	24.4	90.2	2.1	90.2	27.1	91.3	91.3	17.3
TROJAN TX 115A		172.2	172.2		23.8	23.8	97.0	5.4	97.0	25.5	95.5	95.5	7.0
MCNAIR X17C		168.8	172.1	172.1	24.7	24.7	93.9	1.2	93.9	24.7	97.3	97.3	6.7
80-JAC X62		176.8	171.8	171.8	25.3	25.3	97.7	3.5	97.7	23.8	82.6	82.6	3.6
COKER 16		170.5	170.5		26.9	26.9	82.6	1.4	82.6	25.5	93.2	93.2	2.4
MIGRO W-7070		170.4	170.4		26.1	26.1	93.6	7.3	93.6	23.0	90.9	90.9	16.1
SUPER CROST S85		169.2	169.2		25.9	25.9	94.3	8.9	94.3	25.2	92.2	92.2	6.9
S S HYBRIDS JX-86		168.5	168.5		24.4	24.4	91.7	6.5	91.7	25.2	92.2	92.2	6.9
NORTHUP-KING PX77		177.2	169.2	169.2	24.8	24.8	94.3	2.5	94.3	32.9	99.6	99.6	7.6
TROJAN TX 113	169.6	159.8	167.8	169.6	23.4	23.4	94.3	2.0	94.3	32.9	99.6	99.6	7.6
VORIS SEEDS V2502		170.9	167.4	167.4	26.0	26.0	92.0	9.2	92.0	25.4	92.3	92.3	6.9
NORTHUP-KING PX79		152.5	166.0	166.0	24.3	24.3	89.4	1.7	89.4	23.0	90.9	90.9	16.1
VORIS SEEDS V2562		158.6	164.9	164.9	21.9	21.9	89.4	1.7	89.4	23.0	90.9	90.9	16.1
PIONEER BRAND 3571		165.4	164.7	164.7	24.0	24.0	93.9	13.1	93.9	25.4	92.3	92.3	6.9
MUNCY CHIEF SX662		165.4	164.2	164.2	24.3	24.3	94.3	7.8	94.3	25.4	92.3	92.3	6.9
STEMART SX 71K		164.2	164.2		24.3	24.3	94.3	7.8	94.3	25.4	92.3	92.3	6.9
WHITE													
MCNAIR X233		165.0	165.0		24.3	24.3	94.3	7.8	94.3	25.4	92.3	92.3	6.9
WHITE AVERAGE		165.0	165.0		24.3	24.3	94.3	7.8	94.3	25.4	92.3	92.3	6.9
GRAND AVERAGE		165.3	165.3		24.3	24.3	94.3	7.8	94.3	25.4	92.3	92.3	6.9
YELLOW AVERAGE		165.3	165.3		24.3	24.3	94.3	7.8	94.3	25.4	92.3	92.3	6.9

PLANTING

All plots were planted with a two-row no-till corn planter modified for small plot work. The planter boxes were replaced by special planting cones which allowed planting of a specified number of kernels per plot. Each plot consisted of two rows 38 inches apart. Population was varied by planting different numbers of kernels per row. A normal population test had 20,000 kernels planted per acre, while the high population test had 26,000 kernels planted per acre.

HARVESTING

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

CORN VIRUS

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

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

Hybrid	Color	Gross	Pedigree
Ky 105	Yellow	4X	(18 x C121E) (38-11 x Oh 7B)
Ky 5921M	White	4X	(C164 x 33-16) (Ky 201 x C166)

TABLE 15.—ANNUAL SUMMARY (1974), HIGH POPULATION, PRINCETON, KY.

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS					
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED		
YELLOW															
DEKALB XL78			131.1	23.6	86.4	22.0	YELLOW								
SO.STATES SS775			124.9	21.8	90.5	10.5	STEWART SX 71K				101.8	20.9	82.2	20.3	
TROJAN TXS 114			122.6	23.1	81.4	23.9	GUTWEIN 65A				100.8	21.8	82.2	20.1	
S S HYBRIDS JX-86			117.9	20.9	78.0	20.8	NORTHROP-KING PX74		125.0		99.6	20.9	71.6	16.9	
BO-JAC X7L		127.1	117.1	23.7	64.8	15.5	DEKALB XL68				99.3	20.7	81.4	36.9	
TROJAN TXS 115A			116.0	20.7	80.3	16.7	HULTING X770	111.1	106.2		98.9	19.7	80.3	31.7	
DEKALB XL72B			115.8	21.3	78.8	12.9	MCNAIR X190		123.8		98.4	23.1	84.8	25.2	
PIONEER BRAND 3571	118.6	117.6	113.9	19.1	83.0	18.4	SUPER CROST S85				98.3	22.7	84.1	14.4	
MIGRO M-7072	125.6	120.2	111.1	21.8	82.6	31.4	SEED KEM SKX-66				98.0	20.0	79.9	18.2	
NORTHROP-KING PX79			110.8	20.4	76.5	17.3	PIONEER BRAND 3161				97.1	22.2	74.6	14.3	
BO-JAC X62		121.8	110.7	21.2	84.5	15.5	HULTING X9880		108.2		95.8	23.6	78.8	23.7	
S S HYBRIDS JX-7101			110.5	20.1	83.3	18.6	FUNK'S G4646	118.0	113.0		94.8	22.2	79.5	19.7	
SUPER CROST 7772			109.8	21.5	80.3	17.0	KENTUCKY 105				103.0	22.1	87.9	38.6	
BO-JAC X7L-10			109.6	23.4	76.1	17.4	MUNCY CHIEF H764				103.9	23.5	19.8	79.2	35.0
SUPER CROST S67			108.5	21.7	89.8	15.2	MIGRO M-7070				108.2	22.1	70.1	25.1	
COKER 16			107.6	21.0	78.4	18.1	NORTHROP-KING PX77				92.1	23.1	77.3	10.3	
HULTING X980			107.5	23.9	81.8	20.3	MIGRO M-5045	117.9	106.2		91.2	20.1	76.1	12.5	
VORIS SEEDS V2502		115.9	106.8	19.5	86.4	12.3	SO.STATES SS750		105.9		90.6	21.8	86.4	23.6	
PIONEER BRAND 3535			117.1	106.6	18.6	78.8	STEWART SX 58				86.9	22.1	74.6	31.8	
MUNCY CHIEF SX662	111.5	108.2	106.4	22.3	80.3	20.8	HULTING X9861				83.4	19.8	79.2	33.6	
FUNK'S G4737			105.5	22.7	78.4	19.2	YELLOW AVERAGE	117.8	113.8	104.4	21.4	80.5	20.4		
VORIS SEEDS V2562			112.1	105.4	22.1	79.9	WHITE								
MIGRO M-6666			118.1	105.2	21.1	74.6	MCNAIR X233		106.3	94.3	25.3	85.6	24.1		
GUTWEIN 64			105.1	21.0	79.5	20.5	WHITE AVERAGE		106.3	94.3	25.3	85.6	24.1		
TROJAN TXS 113	121.9	114.0	104.6	20.2	81.8	17.0	GRAND AVERAGE	117.8	113.4	104.2	21.5	80.6	20.4		
MCNAIR X194			103.8	21.0	80.7	17.2									
MCNAIR X170			102.7	20.5	79.9	15.2									
NORTHROP-KING PX76		113.6	102.0	21.6	77.7	16.5									

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

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

TABLE 2.—HYBRIDS TESTED IN 1974.

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

(Footnotes appear at end of table.)

(continued)

TABLE 2.--(continued)

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

(continued)

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

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

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

HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED	HYBRID	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED
YELLOW					WHITE				
TROJAN TXS 114	160.9	23.4	89.1	4.3	MUNCY CHIEF 3X898	136.1	22.0	79.9	11.5
ZIMMERMAN Z24Y	159.9	22.1	86.4	8.7	FUNK'S G5666	134.7	23.4	85.6	7.8
PIONEER BRAND 3369A	157.6	22.4	83.9	6.6	FUNK'S G4737	134.7	24.3	84.2	6.3
BO-JAC X83	153.9	22.5	85.4	4.2	NORTHROP-KING PX74	134.4	21.9	81.7	3.3
GUTWEIN 88A	152.5	24.7	89.5	6.7	A.C.C.O. UC 8801	134.3	22.2	80.3	11.5
DEKALB XL78	150.7	23.9	87.6	7.3	COKER 16	133.6	22.5	84.8	4.9
SO.STATES SS775	149.5	22.5	84.8	2.7	T-E 6969	133.3	24.6	82.2	8.1
T-E 6968	149.5	23.0	82.7	3.3	ASGROW RX 115	132.6	23.8	81.3	7.5
NORTHROP-KING PX76	149.1	22.6	87.5	5.1	P-A-G SX 98	131.8	24.0	79.8	4.8
DEKALB XL80	148.3	24.3	84.8	9.1	A.C.C.O. UC 9301	131.8	22.9	80.4	12.8
TROJAN TXS 115A	147.4	22.0	86.3	3.5	HULTING X9880	131.6	23.7	81.7	6.8
S S HYBRIDS JX-86	146.5	22.8	85.0	7.0	B & B 9-2	131.4	21.9	84.2	9.5
MIGRO M-7072	146.1	23.2	85.8	4.9	B & B 11-7	130.8	23.8	81.3	7.5
PRINCETON SX 630	146.1	23.3	86.8	3.7	GOLDEN HARVEST H2750	129.8	25.0	80.1	7.7
DEKALB XL728	145.9	22.7	87.7	3.6	COKER 56	129.4	28.6	82.4	7.4
GUTWEIN 86	145.7	22.3	85.7	5.0	PIONEER BRAND 3571	129.0	20.2	79.9	4.8
PIONEER BRAND 3368	144.8	23.0	84.2	3.4	SO.STATES SS715	127.6	21.5	85.4	7.0
BO-JAC X1A	144.2	23.5	80.6	3.0	SEED KEM SKX-88A	127.2	22.8	84.6	3.3
STULL'S SX2666	144.0	22.9	83.9	6.8	SEED KEM SKX-66	126.7	21.6	79.5	3.3
PIONEER BRAND 3161	143.7	23.4	82.6	6.2	STEWART SX 68	124.9	21.4	78.8	7.7
PRINCETON SX 850	143.5	22.5	86.8	7.2	VORIS SEEDS V2632	123.6	21.5	81.8	4.9
GOLDEN HARVEST H2655	142.9	22.5	83.7	4.0	VORIS SEEDS V2662	118.2	23.8	75.8	12.1
SUPER CROST 7772	142.9	22.7	84.0	7.1	SO.STATES SS840	117.6	22.9	72.7	8.0
STEWART SX 71K	142.8	22.2	84.6	5.9	GOLDEN HARVEST H2690	95.4	24.3	69.9	5.2
S S HYBRIDS JX-7101	142.2	22.7	87.1	2.4	YELLOW AVERAGE				
MASON 8869	142.1	23.8	87.0	9.1		138.6	23.1	83.4	6.4
SUPER CROST 5440	142.0	22.3	83.1	2.1	WHITE				
STULL'S SX2700	141.7	23.1	85.2	6.3	ZIMMERMAN Z11W	159.0	26.5	88.2	6.1
FUNK'S G4646	141.3	22.6	84.2	5.3	PRINCETON SX 910	155.9	25.9	87.1	6.6
STULL'S SX2744	141.1	23.9	84.8	8.5	MCNAIR X233	152.0	26.7	90.0	4.9
FUNK'S G4628	140.9	24.1	86.8	4.5	GOLDEN HARVEST H2660	147.4	25.9	80.7	4.5
MCNAIR X190	140.6	24.2	86.7	5.4	PIONEER BRAND 511A	142.7	26.5	83.9	14.6
TROJAN TXS 113	140.6	22.3	86.5	3.0	P-A-G SX 70W	141.3	26.3	82.1	7.8
MUNCY CHIEF SX878	139.9	24.1	82.3	12.3	DEKALB XL390W	138.9	26.4	82.7	8.2
PIONEER BRAND 3535	138.1	20.3	84.3	3.7	STULL'S WSP2799	138.8	24.5	84.8	10.1
HULTING X980	137.6	23.8	84.1	6.5	STULL'S WSX2788	135.8	24.9	85.1	11.4
B & B 10-3	137.5	22.7	82.5	5.0	PRINCETON SP 935	135.5	25.2	83.7	9.8
DEKALB XL68	137.4	22.4	84.5	7.9	MASON 5550	131.2	25.1	83.3	13.0
ASGROW RX 99A	137.4	24.4	87.2	5.0	P-A-G 644W	125.7	26.4	81.2	8.5
P-A-G SX 17A	137.3	22.6	82.4	8.4	WHITE AVERAGE				
NORTHROP-KING PX77	136.5	22.1	85.4	6.6		142.0	25.9	84.4	8.8
P-A-G SX 39	136.5	24.0	78.6	9.6	GRAND AVERAGE				
FUNK'S G4770	136.3	24.1	87.2	9.6		139.1	23.5	83.6	6.7
MIGRO M-7070	136.3	24.0	76.2	7.6					

TABLE 2.—(continued)

Hybrid	Test *	Color	Cross **	Source of Hybrid
Pioneer Brand				
511A	A	White	4X	Pioneer H-Bred, Inc.
3145	C	Yellow	3X	221 N. Main St.
3147	C	"	2X (Mod.)	Tipton, Ind.
3161	AB	"	3X (Mod.)	46072
3179	C	"	2X (Mod.)	
3369A	A	"	2X	
3368	A	"	2X (Mod.)	
3535	AB	"	2X	
3571	AB	"	2X (Mod.)	
Princeton				
SX630	A	Yellow	2X	Princeton Farms
865	C	"	4X	P.O. Box 319
SX850	A	"	2X	Princeton, Ind.
MD865	C	"	4X	
SX910	AC	"	2X	4/670
SP935	A	White	SPX	
Seedkem				
SKX66	AB	Yellow	2X	Seed Kem Inc.
SKX88A	A	"	2X	526 N.W. Fourth St.
				Evansville, Ind.
				4/701
So. States				
S.S. 715	A	Yellow	3X	Southern States Coop, Inc.
S.S. 750	B	"	SPX	2600 Durham St.
S.S. 775	AB	"	2X	Richmond, Va.
S.S. 840	A	"	4X	23220
S.S. 866	C	"	4X	
S.S. Hybrids				
JX86	AB	Yellow	2X	S.S. Hybrids
JX7101	AB	"	2X	Camden, Ind.
				46917
Stull's				
SX2666	A	Yellow	2X	Stull Hybrids Inc.
SX2700	AC	"	2X	P.O. Box 7
SX2744	A	"	2X	Sebree, Ky.
WSX2788	A	White	2X	42455
WSP2799	A	"	3X	
SP2825	C	Yellow	3X	
Stewart's				
SX58	B	Yellow	2X	Stewart Hybrids
SX68	A	"	2X	Princetonville, Ill.
SX71K	AB	"	7X	61359
Super Crost				
S67	B	Yellow	2X	Edv. J. Funk & Sons, Inc.
70DR	C	"	2X	P.O. Box 67
S85	B	"	2X	Kentland, Ind.
5440	A	"	2X	4/951
7772	AB	"	2X	
Taylor-Evans				
VR-20Y	C	Yellow	4X	Taylor-Evans Seed Co.
T-E6968	A	"	2X	P.O. Box 68
T-E6969	A	"	2X	Tulla, Tx.
				79088

(continued)

TABLE 2--(continued)

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

* A = Performance test-Normal population, B = Performance test-High population,
C = Corn virus test-Normal population
** 2X = Single cross, 3X = Three-way cross, 4X = Double cross, SPX = Special cross.

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS				
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LOGGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LOGGED	
YELLOW						YELLOW								
SUPER CROST 5440			185.4	18.3	84.9	0.6	SO. STATES S5840			136.3	19.7	84.4	20.0	
DEKALB XL78			176.6	20.2	95.3	9.2	FUNK'S G4737			135.0	19.0	93.8	27.0	
T-E 6968			171.2	19.0	91.1	14.2	P-A-G SX 39	146.6	146.1	134.5	19.9	83.9	36.4	
DEKALB XL728			170.9	19.5	94.3	13.7	B & B 11-7		134.6	133.8	18.2	87.5	26.5	
PIONEER BRAND 3369A	169.5	173.9	170.2	19.7	85.4	30.6	SO. STATES S5715			133.8	18.6	85.9	23.5	
ZIMMERMAN Z24Y		173.3	169.6	18.9	90.6	37.1	ASGROW RX 115	137.4	156.6	133.5	20.0	78.6	30.1	
NORTHROP-KING PX76			168.6	18.8	93.2	12.9	FUNK'S G4770			133.4	18.7	89.1	39.3	
TROJAN TXS 115A			166.9	20.2	90.1	7.6	MCNAIR X190			133.2	19.2	87.0	13.6	
GUTWEIN 88A			165.0	20.2	93.8	15.0	T-E 6969			133.1	20.6	81.3	27.9	
TROJAN TXS 114			165.0	21.6	90.1	7.1	ASGROW RX 99A			132.1	18.9	90.6	17.8	
GOLDEN HARVEST H2655			164.5	19.4	89.6	10.0	STEWART SX 68			130.2	17.7	81.8	33.3	
COKER 16			163.3	18.5	94.8	5.0	SEED KEM SKX-88A			130.0	19.4	87.0	4.8	
PIONEER BRAND 3535			163.1	17.3	85.4	16.4	PRINCETON SX 850	145.9	145.5	128.6	19.8	83.9	21.0	
P-A-G SX 17A			162.6	18.7	87.0	13.8	HULTING X9880		121.3	127.9	19.8	85.4	15.2	
PRINCETON SX 630			162.6	18.8	89.1	10.0	FUNK'S G5666			126.3	20.0	92.2	24.3	
STEWART SX 71K			162.4	18.3	93.2	19.8	STULL'S SX2744			126.0	19.8	85.4	34.4	
STULL'S SX2700			161.5	19.4	86.5	17.0	GOLDEN HARVEST H2750			125.7	20.8	80.2	18.8	
SO. STATES S5775		161.7	158.1	19.3	83.3	4.6	P-A-G SX 98		132.6	124.9	18.8	85.4	19.6	
NORTHROP-KING PX77		151.6	157.8	19.0	92.7	27.5	VORIS SEEDS V2662			124.6	20.9	83.3	41.5	
TROJAN TXS 113		156.2	157.3	19.8	87.0	6.3	HULTING X980			123.6	19.5	84.9	20.3	
BO-JAC X83		153.4	156.4	19.9	87.0	12.4	FUNK'S G4628		128.7	122.9	19.8	88.5	8.9	
FUNK'S G4646	154.0		150.6	18.6	90.6	19.3	MIGRO M-7070			117.5	21.0	78.6	31.2	
PIONEER BRAND 3571	132.3		156.2	18.6	88.0	14.9	MUNCY CHIEF SX878			116.2	21.1	85.9	55.0	
A.C.C.O. UC 9301	151.2		154.2	19.6	85.4	48.6	GOLDEN HARVEST H2690			115.9	19.7	80.7	16.4	
SUPER CROST 7772		152.1	154.0	19.6	91.1	33.6	YELLOW AVERAGE	149.0	149.1	145.8	19.5	87.2	21.2	
A.C.C.O. UC 8801		153.7	153.7	19.1	87.5	43.1	WHITE							
PIONEER BRAND 3368	155.2	151.8	151.7	19.9	90.6	9.1	ZIMMERMAN Z11W		179.1	176.2	22.0	94.3	11.0	
MIGRO M-7072		160.3	148.7	20.1	90.1	20.1	PRINCETON SX 910			168.6	23.0	92.2	19.9	
MUNCY CHIEF 3X898		151.4	147.2	19.4	87.0	51.3	MCNAIR X233			161.6	22.5	94.8	12.1	
BO-JAC X1A		147.9	147.0	20.3	81.3	3.9	PIONEER BRAND 511A	137.8	157.0	152.4	21.4	90.1	41.3	
PIONEER BRAND 3161			146.5	20.1	90.6	29.0	GOLDEN HARVEST H2660			143.2	22.8	87.0	13.9	
GUTWEIN 86		141.7	146.1	18.6	85.9	7.7	DEKALB XL390W	140.5	148.2	135.4	22.0	81.8	28.9	
VORIS SEEDS V2632			145.6	18.1	84.9	11.7	PRINCETON SP 935			129.7	21.7	93.2	38.0	
SEED KEM SKX-66			145.5	17.8	82.8	8.4	P-A-G SX 70W	123.9	129.0	125.3	22.2	76.6	19.2	
DEKALB XL68			145.5	19.1	85.9	9.0	STULL'S WSX2788	138.1	136.0	124.5	20.9	85.9	25.7	
MASON 8869			144.1	20.1	86.5	34.3	MASON 5550			119.1	21.6	86.5	56.0	
S S HYBRIDS JX-86	150.3	142.5	20.4	91.1	33.0	6.4	P-A-G 644W	135.8	146.6	118.5	22.0	84.9	26.8	
S S HYBRIDS JX-7101		141.9	18.5	82.3	6.4		STULL'S WSP2799			118.4	20.2	85.9	26.8	
B & B 9-2		149.4	141.7	18.6	87.0	34.8	WHITE AVERAGE	135.2	149.3	139.4	21.9	87.8	26.9	
DEKALB XL80		161.5	141.3	21.1	86.5	44.9	GRAND AVERAGE	143.7	149.1	144.9	19.8	87.2	22.1	
STULL'S SX2666			139.8	19.3	87.5	27.1								
B & B 10-3		134.8	139.2	18.8	86.5	16.9								
COKER 56			137.0	22.1	82.3	26.6								
NORTHROP-KING PX74			136.3	20.6	85.4	13.4								

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS					
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED		
YELLOW						YELLOW									
ZIMMERMAN Z24Y		185.0	201.0	25.0	95.3	5.6	FUNK'S G4628	147.9	158.1	25.7	95.3	1.6			
GUTWEIN 88A			188.6	28.8	94.8	1.7	PIONEER BRAND 3161		158.0	27.7	88.5	1.7			
S S HYBRIDS JX-86		170.9	188.4	25.7	97.4	1.0	P-A-G SX 17A		157.9	25.6	92.7	11.6			
DEKALB XL78			187.8	26.5	95.3	2.3	MCNAIR X190	152.7	157.9	26.2	94.8	5.0			
PRINCETON SX 630			184.4	25.5	100.0	1.6	STULL'S SX2700		156.1	26.4	87.0	0.0			
SO. STATES SS775			181.1	25.5	92.7	2.8	GOLDEN HARVEST H2750		155.0	29.0	83.9	7.1			
STULL'S SX2666		164.4	180.4	27.4	90.6	1.8	ASGROW RX 115	150.9	149.7	154.3	29.4	92.7	0.0		
NORTHROP-KING PX76			178.9	25.3	95.8	2.6	STULL'S SX2744		154.0	27.1	93.8	6.1			
MUNCY CHIEF SX878			177.4	26.9	88.5	4.3	HULTING X9880		149.5	153.8	27.3	91.7	7.6		
T-E 6968			177.1	24.4	90.6	3.5	FUNK'S G4737		151.0	27.5	84.9	1.2			
DEKALB XL68			176.7	25.3	94.8	3.3	FUNK'S G5666		150.7	25.9	91.7	5.7			
BO-JAC X83	167.9	161.4	176.4	25.3	92.2	0.0	DEKALB XL72B		150.2	25.3	92.2	3.4			
MIGRO M-7070			176.4	26.8	85.9	0.6	FUNK'S G4770		149.7	27.8	90.1	2.3			
GUTWEIN 86			174.2	25.9	91.1	1.7	SEED KEM SKX-66		149.5	24.3	84.4	0.0			
DEKALB XL80			169.8	28.5	86.5	3.7	A.C.C.O. UC 8801		148.3	24.8	81.8	13.5			
NORTHROP-KING PX77			173.4	25.4	94.8	1.1	SO. STATES SS715		146.7	24.4	90.1	1.1			
BO-JAC X1A			161.1	26.5	96.4	1.1	B & B 10-3		144.9	146.5	26.0	82.8	4.9		
GOLDEN HARVEST H2655			171.6	25.2	85.9	1.8	FUNK'S G4646	145.2	144.3	145.3	25.6	76.6	1.4		
MUNCY CHIEF 3X898		144.7	171.3	25.3	93.2	4.6	SO. STATES SS840		142.0	25.5	81.8	2.5			
PIONEER BRAND 3369A	165.6	164.5	170.2	25.3	81.8	1.7	P-A-G SX 98		137.6	139.1	27.7	88.0	4.2		
PIONEER BRAND 3535			169.5	23.3	95.8	0.5	COKER 56		136.6	31.9	84.4	1.9			
B & B 9-2		159.1	168.2	25.0	87.0	2.2	VORIS SEEDS V2632		134.8	24.5	88.5	1.8			
HULTING X980			167.5	25.8	92.7	0.6	VORIS SEEDS V2662		122.0	26.2	73.4	4.0			
P-A-G SX 39	150.9	162.3	167.5	27.0	91.7	11.0	GOLDEN HARVEST H2690		110.5	27.9	75.0	0.0			
TROJAN TXS 115A			167.0	23.9	91.1	3.8									
MASON 8869			166.6	26.2	91.7	4.5	YELLOW AVERAGE	155.1	158.0	162.5	26.1	90.1	3.2		
STEWART SX 68			166.6	25.3	89.6	2.2	WHITE								
PRINCETON SX 850	158.5	163.6	166.0	25.5	92.7	6.5	ZIMMERMAN Z11W	155.6	195.2	31.6	96.4	2.2			
TROJAN TXS 114			165.3	25.8	90.6	7.3	PRINCETON SX 910		186.6	31.3	92.2	0.6			
PIONEER BRAND 3571	141.0	150.7	164.8	22.9	95.8	0.5	GOLDEN HARVEST H2660		183.8	32.7	93.8	0.5			
MIGRO M-7072		152.7	164.5	26.4	90.6	1.6	PRINCETON SP 935		182.5	29.1	91.7	0.6			
NORTHROP-KING PX74			164.1	24.5	90.6	0.6	MCNAIR X233		179.5	33.7	99.5	2.6			
T-E 6969			163.5	29.5	95.8	2.2	STULL'S WSP2799		177.7	28.5	93.2	5.1			
S S HYBRIDS JX-7101			163.4	26.4	96.4	0.5	PIONEER BRAND 511A	138.9	141.8	173.9	31.7	96.9	2.1		
ASGROW RX 99A			163.3	28.4	93.2	0.6	P-A-G SX 70W	154.0	158.9	173.1	31.7	91.1	3.2		
SUPER CROST 5440			163.0	25.3	95.8	1.0	DEKALB XL390W	156.5	153.8	168.6	31.5	90.1	1.0		
A.C.C.O. UC 9301			162.1	25.7	88.5	17.3	STULL'S WSX2788	143.9	142.4	165.6	28.3	97.4	3.7		
SUPER CROST 7772		157.9	162.0	25.8	90.1	3.8	MASON 5550		150.2	153.4	158.9	32.6	93.2	3.4	
SEED KEM SKX-88A			161.0	25.4	94.3	1.1	P-A-G 644W								
COKER 16			160.7	25.4	94.3	5.6	WHITE AVERAGE	120.5	151.0	175.9	31.1	94.0	2.3		
STEWART SX 71K			160.6	24.9	94.3	2.2	GRAND AVERAGE	141.8	156.7	164.5	26.9	90.7	3.1		
TROJAN TXS 113		158.8	160.5	24.6	90.6	0.6									
PIONEER BRAND 3368	160.8	158.9	159.4	26.5	79.2	4.4									
B & B 11-7		150.6	158.6	27.2	85.4	4.2									

TABLE 3.—AGRONOMIC INFORMATION PERTAINING TO 1974 TEST LOCATIONS.

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

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS			HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS						
			YIELD BU/AC	AVG % MOIST	AVG % STAND				TOTAL % LODGED	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED		
YELLOW						YELLOW									
GUTWEIN 86		181.4	177.1	23.6	80.7	0.5	STEWART SX 68			118.7	25.1	72.4	0.0		
PIONEER BRAND 3369A	164.5	156.6	161.8	23.4	81.3	2.7	MCNAIR X190	135.4		116.6	28.5	70.3	2.7		
TROJAN TXS 114			159.3	26.7	72.4	0.0	VORIS SEEDS V2632			116.2	22.8	75.0	0.8		
FUNK'S G4770			158.8	27.9	90.6	0.5	STEWART SX 71K			115.9	25.1	64.6	1.2		
FUNK'S G4646	147.0	155.6	158.2	23.8	81.3	0.0	PIONEER BRAND 3161			115.2	26.7	60.4	0.0		
ZIMMERMAN Z24Y		160.9	153.2	22.5	69.8	0.0	PIONEER BRAND 3368	129.3	123.5	114.5	26.2	67.2	1.7		
MASON 8869			152.7	26.1	87.5	3.6	P-A-G SX 98			132.1	114.3	27.7	62.0	0.6	
DEKALB XL72B			151.2	24.2	81.8	2.6	FUNK'S G4737			113.9	28.3	65.6	0.9		
STULL'S SX2666			150.2	23.9	80.7	3.2	PIONEER BPAND 3535			113.8	23.4	72.9	1.3		
STULL'S SX2744			148.6	26.1	79.2	2.4	SEED KEM SKX-66			113.7	25.0	75.5	1.7		
S S HYBRIDS JX-7101			144.2	24.8	79.7	2.1	NORTHROP-KING PX77	122.4		112.3	23.5	69.8	1.8		
DEKALB XL80		151.1	143.7	27.6	74.5	1.6	MIGRO M-7070			111.7	26.0	60.9	0.8		
BO-JAC X83	152.4	149.6	143.5	24.0	71.4	2.2	HULTING X9880	133.1		107.0	25.8	58.9	2.8		
GUTWEIN 88A			143.4	27.6	78.6	2.2	COKER 56			106.6	35.6	65.1	2.6		
FUNK'S G5666			142.6	25.9	76.6	1.9	A.C.C.O. UC 9301			106.2	25.1	71.4	1.1		
HULTING X980			142.0	26.4	85.9	3.0	B & B 9-2		115.0	100.1	23.0	74.5	1.2		
PRINCETON SX 850	152.4	147.1	140.2	25.7	80.7	4.6	B & B 11-7		124.6	98.4	27.1	62.0	0.0		
MIGRO M-7072			139.6	24.5	76.6	2.0	P-A-G SX 17A			95.5	25.9	65.6	1.7		
PRINCETON SX 630			138.3	27.3	77.6	1.2	VORIS SEEDS V2662			94.1	27.5	54.2	1.0		
SEFD KEM SKX-88A			136.9	25.0	77.1	0.0	PIONEER BRAND 3571	123.2	104.1	90.2	23.3	48.4	0.7		
FUNK'S G4628	149.3		136.6	28.7	70.8	0.0	SO. STATES SS840			89.8	25.6	47.9	1.1		
TROJAN TXS 115A			135.9	25.3	74.0	1.8	ASGROW RX 115	129.9	123.2	88.8	26.6	46.4	1.8		
P-A-G SX 39	147.1	141.6	134.3	27.1	68.2	0.0	A.C.C.O. UC 8801			87.7	26.1	66.1	0.7		
T-E 6969			134.2	27.5	73.4	2.0	GOLDEN HARVEST H2690			68.1	27.7	56.3	0.6		
DEKALB XL78			133.3	26.4	75.0	1.8									
NORTHROP-KING PX76			132.4	26.1	70.8	1.4	YELLOW AVERAGE	143.2	138.1	125.6	25.8	70.9	1.4		
ASGROW RX 99A			132.1	25.5	83.3	2.2	WHITE								
SO. STATES SS715			129.6	22.2	82.8	3.8	STULL'S WSX2788	147.1	153.9	162.2	27.5	83.3	2.5		
STULL'S SX2700			129.2	25.6	69.3	2.2	ZIMMERMAN Z11W		122.8	149.6	32.1	76.6	1.3		
NORTHROP-KING PX74			128.6	24.6	64.6	0.0	GOLDEN HARVEST H2660			147.7	28.7	65.6	1.7		
TROJAN TXS 113	126.4		127.7	25.0	80.7	1.6	P-A-G SX 70W	155.4	148.0	141.0	30.4	75.5	2.9		
MUNCY CHIEF SX878			126.8	25.6	69.8	2.1	PRINCETON SX 910			138.6	28.2	81.3	4.3		
T-E 6968			126.5	26.3	58.9	0.0	MASON 5550			135.8	26.9	64.1	3.3		
GOLDEN HARVEST H2655			126.1	25.6	76.6	0.6	STULL'S WSP2799			133.6	27.4	66.7	3.4		
SO. STATES SS775	140.8		125.6	25.6	68.2	2.9	PIONEER BRAND 511A	135.1	137.9	127.5	30.9	62.0	2.8		
SUPER CROST 5440			124.3	25.2	69.3	0.0	MCNAIR X233			125.9	32.6	76.6	1.3		
S S HYBRIDS JX-86	133.2		123.1	26.5	67.2	0.0	DEKALB XL390W	124.0	119.0	114.6	30.8	59.9	0.6		
GOLDEN HARVEST H2750			122.8	29.6	71.9	2.1	PRINCETON SP 935			97.3	32.2	53.6	2.2		
DEKALB XL68			121.0	27.2	67.2	0.0	P-A-G 644W	109.9	102.8	83.1	33.7	53.6	0.0		
SUPER CROST 7772	140.0		120.3	22.5	62.5	2.5	WHITE AVERAGE	134.3	130.7	129.7	30.1	68.2	2.2		
B & B 10-3			129.6	26.1	67.7	1.3	GRAND AVERAGE	139.8	136.7	126.3	26.4	70.5	1.5		
BO-JAC X1A	142.1		120.1	27.3	65.6	0.7									
COKER 16			119.5	24.3	77.1	1.3									
MUNCY CHIEF 3X898	123.4		119.1	23.2	67.2	1.5									

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS			HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS						
			YIELD BU/AC	AVG % MOIST	AVG % STAND				TOTAL % LODGED	YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED		
YELLOW						YELLOW									
TROJAN TXS 115A			132.2	21.2	83.3	12.5	ASGROW RX 99A			102.8	23.3	83.9	15.5		
GUTWEIN 88A			132.0	23.0	91.1	26.9	MIGRO M-7072	130.4		102.0	21.9	84.4	12.3		
BO-JAC X83	143.4	141.8	131.9	21.4	90.6	11.6	SEED KEM SKX-66			101.5	20.0	85.9	14.0		
TROJAN TXS 114			131.4	22.5	90.1	15.7	STULL'S SX2666			101.3	21.7	70.8	13.1		
PIONEER BRAND 3369A	131.5	126.5	129.4	21.4	85.9	16.6	S S HYBRIDS JX-86	122.4		100.8	21.2	89.6	16.0		
SUPER CROST 5440			128.9	20.5	80.2	10.8	SO. STATES SS715			98.6	20.9	83.9	24.4		
DEKALB XL80		130.3	124.6	22.7	94.3	18.8	NORTHROP-KING PX77		112.5	98.2	21.0	81.3	18.9		
DEKALB XL68			123.1	20.8	85.4	20.1	P-A-G SX 39	127.0		121.0	97.6	22.7	78.6	17.1	
PIONEER BRAND 3161			122.9	21.3	85.9	14.8	B & B 11-7		113.5	97.0	22.1	85.9	16.1		
BO-JAC X1A		121.8	122.3	22.6	84.4	17.9	VORIS SEEDS V2662			95.9	22.6	80.2	25.4		
ZIMMERMAN Z24Y		136.1	122.0	21.1	91.7	18.3	HULTING X9880	107.2		95.6	21.9	83.3	17.5		
STEWART SX 71K			121.8	20.6	84.4	16.1	STEWART SX 68			94.4	19.7	78.6	15.1		
MASON 8869			121.1	22.9	90.6	17.2	STULL'S SX2700			94.4	22.2	79.2	28.0		
NORTHROP-KING PX76			119.9	19.7	88.5	14.7	FUNK'S G4737			93.6	21.6	82.3	20.5		
T-E 6968			118.4	21.7	83.9	7.5	FUNK'S G4628	116.5		92.7	21.7	83.9	15.5		
PRINCETON SX 850	125.8	124.0	118.4	21.2	90.6	18.7	GOLDEN HARVEST H2750			92.5	23.8	79.7	23.2		
DEKALB XL72B			117.3	21.1	90.1	8.1	COKER 56			91.7	25.4	84.4	21.5		
MUNCY CHIEF SX878			117.0	23.1	78.1	28.8	SEED KEM SKX-88A			88.6	21.9	86.5	12.0		
PIONEER BRAND 3535			116.6	19.0	87.0	8.4	COKER 16			88.1	20.8	72.4	26.6		
P-A-G SX 17A			116.5	21.2	81.3	17.0	B & B 9-2	111.6		85.9	21.1	72.9	30.2		
STULL'S SX2744			114.0	22.2	83.3	21.4	SO. STATES SS840			77.1	21.7	72.9	24.3		
PIONEER BRAND 3571	121.6	124.6	113.4	19.6	81.8	18.5	FUNK'S G4770			74.4	21.0	83.9	27.7		
T-E 6969			113.2	23.5	85.4	19.6	GOLDEN HARVEST H2690			71.5	22.9	69.3	15.0		
P-A-G SX 98		135.1	112.0	22.8	84.9	10.5	A.C.C.O. UC 9301			61.2	20.7	67.2	28.0		
MUNCY CHIEF 3X898		120.9	111.8	20.7	83.3	21.3	YELLOW AVERAGE	128.1	119.8	106.7	21.6	83.0	17.5		
GOLDEN HARVEST H2655			110.9	21.0	81.3	14.7	WHITE								
A.C.C.O. UC 8801			110.5	21.0	83.3	16.9	ZIMMERMAN Z11W		128.8	140.1	25.2	92.7	18.0		
VORIS SEEDS V2632			109.8	19.9	77.6	17.6	MCNAIR X233			123.3	24.3	87.5	13.9		
S S HYBRIDS JX-7101			109.7	21.0	89.1	9.4	PRINCETON SX 910			122.0	25.1	85.9	20.6		
FUNK'S G4646	117.4	115.1	108.5	21.3	84.4	21.2	GOLDEN HARVEST H2660			118.4	24.7	81.3	10.4		
MCNAIR X190		127.5	108.5	23.0	88.0	18.0	PRINCETON SP 935			111.6	22.8	81.3	23.3		
FUNK'S G5666			108.1	21.8	81.3	19.7	STULL'S WSP2799			104.2	23.2	84.4	27.9		
SO. STATES SS775		104.8	107.6	20.6	77.1	9.9	MASON 5550			101.7	24.0				

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS					
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED		
YELLOW						YELLOW									
S S HYBRIDS JX-7101			171.1	21.1	87.0	0.0	ASGROW RX 99A			140.4	23.6	80.2	1.9		
MCNAIR X190		166.1	169.0	23.1	85.9	2.4	STEWART SX 71K			139.1	21.4	75.0	0.7		
TROJAN TXS 114			167.8	21.8	89.6	0.0	HULTING X980			138.6	22.5	72.9	0.0		
BO-JAC X83	158.5	169.0	161.4	21.3	81.8	0.0	P-A-G SX 39	143.3	149.3	138.5	23.8	75.5	0.0		
FUNK'S G4628		164.0	158.9	23.0	82.3	0.0	SEED KEM SKX-66			138.3	21.1	68.2	0.0		
A.C.C.O. UC 9301			158.4	21.3	84.4	0.0	T-E 6968			137.9	22.7	71.9	0.0		
PIONEER BRAND 3368	149.4	160.0	157.5	21.0	84.9	0.0	B & B 9-2		146.2	137.4	20.9	81.3	0.0		
MUNCY CHIEF SX878			157.4	23.3	82.8	0.0	MIGRO M-7070			135.6	23.6	74.0	0.0		
DEKALB XL78			157.1	21.1	81.8	0.0	HULTING X9880		142.8	132.7	23.3	79.2	2.7		
STULL'S SX2700			156.3	22.0	81.8	0.0	SUPER CROST 5440			132.0	21.5	74.5	0.0		
SUPER CROST 7772		159.8	156.2	21.6	82.8	0.0	COKER 16			128.1	21.9	79.7	0.0		
TROJAN TXS 115A			155.9	20.5	84.4	0.0	MUNCY CHIEF 3X898		134.4	126.4	21.3	69.8	0.0		
MIGRO M-7072		161.6	154.8	21.9	78.6	0.0	PIONEER BRAND 3571	130.5	136.5	124.7	19.6	80.2	0.0		
GOLDEN HARVEST H2655			154.5	20.9	79.7	0.0	SEED KEM SKX-88A			124.6	22.6	80.7	0.0		
PRINCETON SX 630			153.1	22.6	82.8	0.0	MASON 8869			122.9	24.1	80.2	0.7		
NORTHURP-KING PX76			153.0	21.9	88.0	1.1	VORIS SEEDS V2662			121.9	23.0	71.9	0.7		
DEKALB XL72B			152.7	21.5	80.7	0.0	GOLDEN HARVEST H2750			121.6	23.4	74.0	0.7		
PIONEER BRAND 3369A	159.4	166.6	152.4	20.9	78.1	0.0	T-E 6969			121.4	23.5	75.0	0.7		
FUNK'S G5666			152.2	22.8	82.8	0.6	STEWART SX 68			121.2	20.6	68.8	0.0		
B & B 10-3		150.4	152.1	21.4	79.7	0.0	SO.STATES SS715			120.1	21.4	75.0	0.0		
GUTWEIN 88A			152.1	24.4	86.5	0.6	PIONEER BRAND 3535			117.5	18.6	75.0	0.0		
P-A-G SX 98		154.8	151.8	22.7	73.4	0.0	VORIS SEEDS V2632			110.4	21.8	72.9	0.0		
FUNK'S G4770			151.5	23.3	84.9	0.6	SO.STATES SS840			108.5	21.7	72.4	1.4		
DEKALB XL80	162.6		151.3	22.2	76.6	1.2	GOLDEN HARVEST H2690			95.2	23.5	73.4	1.4		
STULL'S SX2666			151.1	21.4	82.8	0.0									
PIONEER BRAND 3161			150.3	21.7	81.3	0.0	YELLOW AVERAGE	147.4	153.9	142.6	22.1	79.1	0.4		
STULL'S SX2744			149.6	22.9	76.0	0.0									
P-A-G SX 17A			149.0	21.7	81.3	0.0	WHITE								
SO.STATES SS775	155.3		148.2	22.4	83.3	0.0	STULL'S WSP2799			157.5	23.9	79.7	0.0		
S S HYBRIDS JX-86		151.7	146.5	21.7	78.6	0.0	MCNAIR X233			154.5	24.8	88.5	0.6		
A.C.C.O. UC 8801			145.8	21.8	71.4	0.0	P-A-G SX 70W	148.0	150.2	152.1	26.5	84.4	0.6		
FUNK'S G4646	138.0	146.1	145.0	22.0	79.7	0.0	GOLDEN HARVEST H2660			147.5	24.5	73.4	0.0		
ASGROW RX 115	149.4		144.6	22.6	83.3	0.0	ZIMMERMAN 211W		150.8	144.3	25.7	78.6	0.0		
GUTWEIN 86			144.3	21.7	86.5	0.6	PRINCETON SX 910			143.5	25.3	79.7	0.7		
FUNK'S G4737			144.3	24.5	84.4	0.0	DEKALB XL390W	141.4	139.3	142.3	25.3	81.8	0.0		
PRINCETON SX 850	150.7	153.0	144.1	21.4	83.3	0.0	PIONEER BRAND 511A	141.4	142.6	136.1	26.4	82.3	3.8		
ZIMMERMAN 224Y			144.0	21.6	71.4	1.3	PRINCETON SP 935			135.3	24.2	78.1	0.6		
COKER 56			143.7	26.6	80.2	0.0	STULL'S WSX2788	141.2	136.9	132.0	24.5	78.6	0.0		
TROJAN TXS 113		155.1	142.8	21.6	80.2	0.0	P-A-G 644W	137.7	138.9	128.8	24.8	76.6	2.6		
NORTHURP-KING PX74			142.3	20.3	77.1	0.0	MASON 5550			117.0	22.9	80.7	1.8		
BO-JAC X1A		153.3	142.1	22.6	71.4	0.0									
B & B 11-7		153.1	142.1	23.6	78.1	3.4	WHITE AVERAGE	141.9	143.1	140.9	24.9	80.2	0.9		
NORTHURP-KING PX77		147.7	141.4	21.7	81.8	0.0									
DEKALB XL68			141.0	19.9	80.7	3.1	GRAND AVERAGE	145.3	151.8	142.3	22.5	79.2	0.5		

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

HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS				HYBRID	3-YR YIELD BU/AC	2-YR YIELD BU/AC	1974 RESULTS					
			YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED				YIELD BU/AC	AVG % MOIST	AVG % STAND	TOTAL % LODGED		
YELLOW						YELLOW									
P-A-G SX 98		143.8	151.7	24.8	85.4	1.2	COKER 56			113.5	31.8	83.9	1.3		
PIONEER BRAND 3369A	141.5	148.9	150.7	22.6	88.5	1.0	P-A-G SX 39	115.4	116.7	113.4	24.7	79.7	10.5		
FUNK'S G4628		148.2	150.5	25.4	90.6	5.7	MUNCY CHIEF 3X898		118.3	113.1	22.8	82.8	8.9		
TROJAN TXS 114			144.0	23.5	92.7	1.1	STEWART SX 71K			112.7	23.1	88.5	6.4		
BO-JAC X1A	141.8	142.3	141.7	23.3	87.0	0.7	MASON 8869			112.5	24.4	86.5	8.4		
ZIMMERMAN 224Y		128.5	141.7	22.6	92.2	2.3	NORTHURP-KING PX76			112.3	23.4	84.4	4.9		
MCNAIR X190		145.6	141.5	25.2	90.6	1.7	DEKALB XL80		123.9	111.4	26.2	89.1	2.3		
FUNK'S G4737			140.2	25.7	91.1	0.0	ASGROW RX 115	103.3	113.3	109.1	23.7	87.0	6.3		
T-E 6968			140.1	23.2	91.1	0.0	P-A-G SX 17A			108.4	23.1	85.4	21.5		
S S HYBRIDS JX-86		136.3	138.4	22.0	86.5	0.0	GOLDEN HARVEST H2690			108.3	24.4	74.0	5.3		
STULL'S SX2744			138.2	25.0	93.8	3.3	S S HYBRIDS JX-7101			107.3	23.1	94.3	1.1		
SUPER CROST 7772		132.4	136.1	23.7	89.6	1.1	STULL'S SX2700			106.5	23.3	94.8	1.7		
TROJAN TXS 113		130.7	135.8	22.6	91.1	1.2	COKER 16			106.2	23.5	85.9	0.0		
ASGROW RX 99A			135.1	25.0	85.4	1.8	SO.STATES SS715			106.1	21.4	87.5	1.2		
SO.STATES SS775	127.1	134.9	134.9	22.0	88.0	0.6	VORIS SEEDS V2662			106.0	23.8	84.9	16.7		
HULTING X9880		124.2	134.3	25.0	87.0	5.3	NORTHURP-KING PX77		121.7	103.9	22.6	89.6	1.3		
PRINCETON SX 630			133.4	23.6	90.1	0.0	SEED KEM SKX-66			102.4	21.1	82.8	2.5		
PIONEER BRAND 3161			132.2	22.3	91.7	2.2	GUTWEIN 86		110.3	101.9	23.1	85.4	14.5		
PIONEER BRAND 3368	129.9	140.3	132.2	23.3	91.7	4.6	SO.STATES SS840			100.6	23.2	76.6	12.5		
MIGRO M-7070			131.0	24.1	80.2	1.8	VORIS SEEDS V2632			100.6	21.8	85.4	3.7		
BO-JAC X83	136.7	136.9	129.6	23.3	90.1	4.5	PIONEER BRAND 3571	115.3	109.6	99.3	19.1	85.4	4.2		
B & B 10-3		119.9	129.5	23.6	88.0	3.1	DEKALB XL68			95.0	23.0	88.0	25.8		
DEKALB XL72B			128.9	24.7	90.6	0.0	SEED KEM SKX-88A			89.8	23.8	83.3	7.4		
PRINCETON SX 850	122.3	130.9	128.0	22.3	92.2	0.0	FUNK'S G5666			88.0	25.0	90.1	9.3		
NORTHURP-KING PX74			127.9	22.2	90.1	0.6									
HULTING X980			127.3	24.8	84.4	6.1	YELLOW AVERAGE	122.2	129.0	121.2	23.6	87.2	4.5		
STULL'S SX2666			126.9	22.7	90.6	7.0									
B & B 11-7	124.6	126.4	124.7	24.7	83.3	6.9	WHITE								
B & B 9-2	122.6	126.3	125.3	23.3	92.2	1.8	PRINCETON SX 910			141.1	26.6	93.2	2.3		
TROJAN TXS 115A		142.6	125.3	24.0	83.3	1.2	ZIMMERMAN 211W		130.5	121.5	25.8	89.6	11.1		
MIGRO M-7072			123.8	23.1	89.6	0.6	PIONEER BRAND 511A	122.4	129.1	119.4	27.3	85.4	9.3		
A.C.C.O. UC 9301			123.5	23.4	88.5	1.7	DEKALB XL390W	106.7	120.2	115.9	27.6	91.7	5.3		
SUPER CROST 5440			121.2	25.5	91.1	1.7	GOLDEN HARVEST H2660			112.7	25.9				