

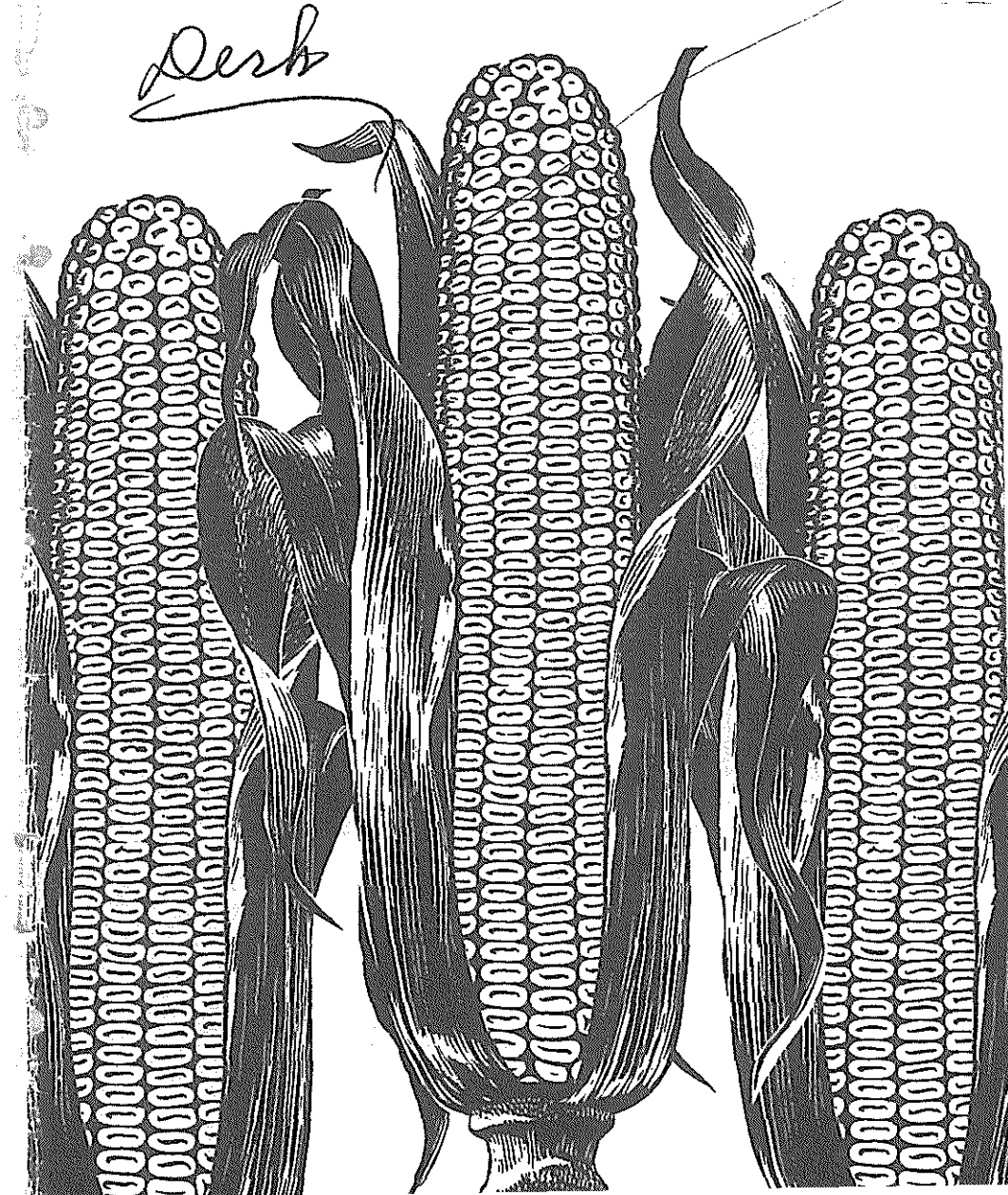
TABLE 15.—CORN VIRUS TEST, FRANKFORT, 1982

VARIETY	YIELD BU/AC 1982	AVG % MOIST 1982	AVG %TJAL STAND 1982	% LOOSE 1982	VIRUS RATING 1982
YELLOW HYBRIDS					
JACOBI CX92	136.5	18.3	78.6	4.1	1.0
PIONEER BRAND 3147	129.1	19.9	68.1	11.9	2.3
DEKALB EX9989	120.6	20.4	74.8	4.0	1.0
MCCURDY 8225	115.7	20.2	90.5	7.0	1.0
DEKALB XL728	109.2	17.7	71.0	5.0	2.3
FUNK'S G4525A	107.7	16.6	76.7	10.6	1.3
SUPER CROST 7795	107.5	18.4	69.0	7.7	2.0
PIONEER BRAND 3187	107.1	17.9	65.2	14.1	2.7
ZIMMERMAN Z30Y	107.1	19.1	72.9	13.1	2.3
USS AG-CHEM USS 2461	102.8	17.8	64.8	20.9	1.3
GOLD TAG GT-EX4045	102.2	20.1	64.3	7.1	2.7
GOLDEN AC. T-E 6945	101.6	17.5	65.7	13.9	3.3
MCCURDY 81-34	100.7	17.4	72.9	14.7	2.3
RUFF'S R445	100.2	18.9	65.2	24.9	1.7
DEKALB XL728B	100.1	18.3	66.7	17.2	2.3
SELECT SEED MDH75	98.8	18.8	66.7	11.8	2.0
USS AG-CHEM USS2315	97.8	18.3	74.3	4.1	3.0
SO. STATES S8710	95.4	17.1	57.6	24.2	3.0
TRJAN MD4-116	89.6	18.2	64.3	4.9	3.7
P.A.G. SK17A	88.7	16.7	66.7	34.9	3.3
JACOBI 7300	87.3	17.4	65.7	15.8	2.3
ADLERS 70X	85.1	18.3	61.0	13.8	1.7
MCCURDY 81-35	84.6	18.4	63.8	20.1	3.7
O'S GOLD SX3344	83.9	18.2	62.9	27.8	5.0
PIONEER BRAND 3328	82.9	18.1	70.5	15.9	3.0
FUNK'S G4740	81.4	20.8	71.4	15.7	3.0
ZIMMERMAN Z32Y	81.0	16.5	63.8	31.4	1.7
AGRIGOLD XA-830	80.6	17.3	66.7	50.1	1.7
GOLDEN HARV. H2745	78.9	19.3	58.1	22.3	4.0
D&H DH9228	76.9	18.3	61.0	20.0	1.7
FUNK'S EX29092	75.0	18.6	74.3	21.7	3.3
PRAIRIE STREAM X7095	74.6	18.3	53.8	23.2	2.3
JACQUES JX227	73.3	16.7	60.0	40.3	4.7
NORTHROP-KING PX95	71.9	20.8	71.0	13.7	4.0
D&H DH7150	67.9	17.8	61.4	19.9	4.7
NORTHROP-KING PX79	66.5	17.5	60.0	15.3	5.0
ADLERS 73X	66.2	19.4	51.9	22.5	1.0
MCCURDY 80-62	66.0	17.8	62.4	47.3	4.7
O'S GOLD SX5255	58.7	18.4	61.4	19.0	4.7
DENNIS DS4-19	58.5	19.3	57.1	28.2	4.0
PAYMASTER 9792	54.1	19.2	55.7	52.0	4.0
CARGILL 951	54.1	17.6	53.3	27.7	2.3
NORTHROP-KING X5611	49.7	18.9	39.0	75.4	5.7
JACQUES EX2119	48.5	17.9	52.4	57.6	5.0
CHECK HYBRID YELLOW	33.3	18.1	49.5	70.7	6.0
ZIMMERMAN Z25Y	33.2	18.3	53.3	40.6	6.0
STEWART 6586	32.5	17.7	48.6	64.2	5.3
AGRIGOLD A-6700	21.7	16.9	40.0	74.3	5.3
YELLOW AVERAGE	92.2	18.3	63.5	26.0	3.1
WHITE HYBRIDS					
ZIMMERMAN Z52W	99.8	19.6	63.3	18.2	3.7
CHECK HYBRID WHITE	78.5	19.8	64.3	14.3	4.2
ZIMMERMAN Z14W	72.3	20.3	51.4	24.8	5.7
GOLDEN HARV. H2660W	70.6	20.1	57.1	13.0	3.7
PRINCETON SX910W	57.4	20.0	53.8	29.8	2.7
WHITE AVERAGE	77.7	20.0	58.0	20.4	4.0
GRAND AVERAGE	81.8	18.5	62.9	25.5	3.2
LSD*	21.8	1.1	9.7	17.6	1.4
C.V.	25.9	5.9	14.7	62.1	39.4

KENTUCKY HYBRID CORN PERFORMANCE TEST - 1982

C. G. PONELEIT and K. O. EVANS • PROGRESS REPORT 267

UNIVERSITY OF KENTUCKY • COLLEGE OF AGRICULTURE
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TABLE 14.—CORN VIRUS TEST, HENDERSON, 1982

VARIETY	YIELD BU/AC 1982	AVG % MOIST 1982	AVG % STAND 1982	TOTAL % LOADED 1982
YELLOW HYBRIDS				
PIONEER BRAND 3147	163.2	22.0	76.2	3.9
FUNK'S G4740	162.7	21.2	79.5	9.2
JACQUES JX227	158.0	19.9	75.7	5.0
JACQUES EX2119	156.7	20.3	78.6	3.0
D&H DH7150	156.1	19.4	80.0	1.7
SELECT SEED MDM75	155.9	20.1	75.7	0.6
P.A.G. SX17A	150.8	19.8	73.8	5.3
MCCURDY 81-34	148.5	20.5	73.3	1.4
FUNK'S EX29092	143.5	19.8	71.4	0.7
DEKALB EX9989	142.0	21.2	66.7	4.5
O'S GOLD SX3344	141.3	20.0	65.2	3.7
NORTHROP-KING PX79	140.5	18.8	70.0	2.9
NORTHROP-KING PX95	139.6	21.2	75.7	6.5
SO. STATES SS710	135.4	16.2	69.5	2.5
ADLERS 70X	132.6	19.7	71.9	1.9
AGRIGOLD A-6700	130.6	19.3	69.0	11.6
DEKALB XL728	129.2	20.9	74.3	1.1
RUFF'S R445	128.9	20.0	71.4	2.7
SUPER CROST 7795	127.9	20.5	67.6	3.3
ZIMMERMAN Z25Y	127.5	22.2	65.7	5.5
MCCURDY 80-62	127.4	21.2	68.1	2.5
GOLD TAG GT-EX4045	127.3	21.1	62.4	9.7
NORTHROP-KING X5611	125.2	20.4	74.3	16.0
USS AG-CHEM USS 2461	124.8	19.8	60.5	2.2
DEKALB XL7288	124.6	19.5	65.7	0.0
ZIMMERMAN Z30Y	124.4	18.1	69.5	9.3
PIONEER BRAND 3187	122.7	20.7	73.6	12.7
DENNIS DSM-19	122.3	21.5	65.2	10.3
ADLERS 73X	122.0	19.9	68.1	2.5
USS AG-CHEM USS2315	121.8	20.0	61.0	1.7
MCCURDY 61-35	120.3	20.6	72.4	4.6
PIONEER BRAND 332A	120.2	19.5	70.0	2.8
MCCURDY 8225	119.6	23.6	63.8	3.3
JACOBI 7300	118.3	19.0	66.7	6.7
JACOBI CX92	117.5	19.6	66.2	13.8
AGRIGOLD XA-830	117.1	20.4	61.9	6.9
TROJAN MDM-115	116.0	18.3	68.6	5.1
ZIMMERMAN Z32Y	115.8	20.4	68.6	5.0
FUNK'S G4525A	115.7	18.7	74.8	12.5
O'S GOLD SX5255	114.7	19.9	64.8	11.3
GOLDEN HARV. H2745	110.0	19.9	57.6	7.0
GOLDEN AC. T-E 6945	108.4	19.4	61.9	13.9
CHECK HYBRID YELLOW	107.8	19.9	56.3	9.9
D&H DH9228	106.5	19.6	62.4	3.8
PRAIRIE STREAM X7095	106.3	21.1	62.4	9.1
CARGILL 951	103.9	19.1	59.5	7.6
PAYMASTER 9792	102.7	21.0	62.4	8.9
STEWART 6566	94.2	18.4	65.2	4.3
YELLOW AVERAGE	127.7	20.1	68.4	5.9
WHITE HYBRIDS				
ZIMMERMAN Z52W	154.7	21.6	71.0	16.1
CHECK HYBRID WHITE	143.0	21.1	70.7	3.5
PRINCETON SX910W	141.3	22.4	64.3	0.8
ZIMMERMAN Z14W	117.5	22.6	65.7	1.4
GOLDEN HARV. H2660W	117.5	20.5	63.8	4.3
WHITE AVERAGE	134.8	21.6	67.1	5.2
GRAND AVERAGE	128.3	20.3	68.3	5.9
LSD*	18.3	1.1	8.7	6.5
C.V.	13.6	5.2	11.9	105.2

TABLE 13.—THREE-YEAR SUMMARY, ALL NON-VIRUS LOCATIONS, 1980-1982

VARIETY	YIELD	AVG %	AVG %	AVG %
	BU/AC 80-82	MOIST 80-82	STAND 80-82	TOTAL % LOOSE 80-82
YELLOW HYBRIDS				
AGRIGOLD A-5900	145.1	20.7	85.4	9.3
SELECT SEED 9300	142.3	20.6	85.3	10.6
80-JAC 923	141.3	20.6	86.5	10.0
O'S GOLD SX5509	141.1	20.5	84.0	8.0
NAPB/MIGRO HP97	141.1	20.4	85.0	13.2
GOLD TAG GT4022	139.4	20.2	85.5	11.6
RING AROUND RA1604	139.4	20.4	84.8	8.7
DENNIS DS42	139.3	19.0	84.3	7.0
ADLERS 88X	139.1	20.5	85.1	6.7
RING AROUND RA1502	138.8	20.0	84.2	5.4
PREMIER SX636	138.8	19.7	85.7	8.3
MCCURDY 844A	138.6	20.3	84.4	9.3
D&H DH9113	138.5	20.2	83.1	8.0
COLBERT 345	138.4	20.7	86.4	9.6
JACQUES JX247	138.2	20.4	83.3	11.5
PAYMASTER 8951	137.3	20.5	86.8	6.7
TROJAN T-1230	137.0	20.1	84.2	9.5
NAPB/MIGRO SPX77	137.0	20.4	87.7	9.8
SELECT SEED 8400	136.5	19.2	86.8	7.8
NORTHROP-KING PX95	135.7	21.3	83.1	11.4
PRINCETON SX870	135.2	20.2	81.5	9.0
USS AG-CHEM USS2020	134.9	20.7	82.7	9.5
SUPER CROST 7801	134.8	20.5	82.1	11.7
COLBERT 315	134.7	19.5	88.2	10.1
NAPB/MIGRO M-0707	134.7	20.2	85.2	5.9
COLBERT 340	134.6	20.3	84.3	7.7
P.A.G. SX351	134.5	18.9	85.7	7.1
ZIMMERMAN Z24Y	134.1	19.5	87.0	8.4
DEKALB XL71	133.8	20.0	86.7	8.0
CARGILL 967	133.6	18.8	85.9	8.8
SUPER CROST 6101	133.3	19.2	85.2	9.2
USS AG-CHEM USS1516	133.1	19.6	83.1	18.9
STEWART 6973	132.8	20.3	81.1	9.6
PIONEER BRAND 3184	131.6	19.9	86.6	4.2
STEWART SX77	131.4	20.2	82.4	6.4
SO. STATES SS915	130.8	20.9	84.2	10.4
COKER 19A	130.1	20.0	84.6	7.8
RUFF'S R334A	129.5	19.5	83.6	10.5
COKER 22	129.2	20.3	83.7	9.8
TROJAN TXS-115A	127.9	19.0	84.6	8.6
PIONEER BRAND 3320	126.8	19.8	86.8	7.1
P.A.G. SX333	126.5	18.8	84.5	11.7
FUNK'S G4507A	126.1	19.2	86.5	9.7
P.A.G. SX373	126.0	20.4	83.7	8.0
ADLERS 30X	125.8	18.3	85.0	6.7
GOLD TAG GT3020	123.9	19.1	80.8	8.4
GOLDEN AC. T-E 6995	123.7	19.4	83.5	8.2
COKER 19	123.3	19.0	81.0	8.2
PRINCETON SX860	119.0	19.9	82.4	5.3
YELLOW AVERAGE	133.9	19.9	84.6	9.0
WHITE HYBRIDS				
SO. STATES SS950H	133.8	21.6	86.5	12.4
ZIMMERMAN Z11H	129.0	21.9	85.8	10.7
ZIMMERMAN Z14H	128.6	21.5	85.0	9.8
ZIMMERMAN Z52H	128.1	21.6	84.8	10.8
DEKALB XL3908	127.5	20.9	81.4	9.8
PRINCETON SX910H	126.7	21.8	81.7	9.7
HEACHAM'S MV78	126.6	21.4	78.3	10.6
ASGROW RX962H	126.5	22.0	84.4	10.5
RING AROUND RA2602H	124.7	21.7	84.0	13.2
GOLDEN HARV. H2660H	121.9	21.8	81.5	11.3
WHITE AVERAGE	127.3	21.6	83.3	10.8
GRAND AVERAGE	132.7	20.2	84.4	9.3

1982 Kentucky Hybrid Corn Performance Test

C. G. Poneleit and K. O. Evans

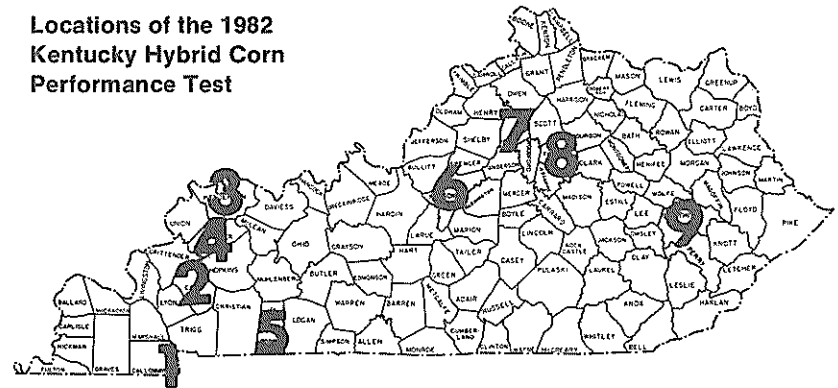
The objective of the Kentucky Hybrid Corn Performance Test is to provide unbiased performance estimates of hybrid seed corn sold in Kentucky. Every effort has been made to conduct the test in an unbiased manner according to accepted agronomic practices.

PRESENTATION OF DATA

Complete 1982 data are presented for the tests at each location. Two-year and three-year averages for yield are included in each of the single-location tables. Readers are encouraged to consider these multiple year averages and the averages over locations (Tables 11, 12, and 13) 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.

Locations of the 1982 Kentucky Hybrid Corn Performance Test



TESTING PROCEDURE

SELECTION OF HYBRIDS

The hybrids chosen for testing are those most likely to be available for sale in 1983. Seed of each commercial hybrid (Table 2) was obtained from the sponsoring company.

Those hybrids grown in the corn virus 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.

LOCATION OF TESTS

The map on page 3 shows the location for each test. The non-virus test sites were selected to represent different agro-climatic areas of the state where corn is a major crop commodity. The Henderson and Frankfort sites are specifically for the presence of corn virus in diverse areas of the state and should represent differences in virus populations.

CULTURAL PRACTICES

The seedbed at each location except Bardstown was prepared by conventional tillage methods. Fertilizer was applied as indicated by soil tests. The test at Bardstown was 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. Except for the virus tests, Furadan was applied in the row at planting. Table 3 shows the specific cultural treatment for each location.

EXPERIMENTAL DESIGN

Each hybrid was grown in three separate plots at each location to sample uncontrollable variability of soil types, fertility, and other factors. Annual mean yields presented in Tables 4 through 15 are the average of three replications at the test site while 2-year and 3-year means are averages of six and nine replications, respectively. An 11 x 11 lattice design was used at each non-virus location, and a 7 x 8 lattice design was used at the virus locations.

TABLE 12.—(continued)

VARIETY	YIELD	AVG %	AVG TOTAL	X
	BU/AC	MOIST	STAND	LOSS
	81-82	81-82	81-82	81-82
YELLOW HYBRIDS				
SUPER CROST 6101	140.5	19.9	83.5	8.6
TROJAN T-1230	140.1	21.1	81.9	9.8
USS AG-CHEM USS1516	139.3	20.4	80.7	12.2
FUNK'S G4522	139.2	20.0	81.7	5.0
COKER 19A	139.0	20.5	84.2	6.1
O'S GOLD SX5291	137.0	21.6	81.2	7.9
PAYMASTER 7601	136.7	20.1	82.5	4.5
STEWART SX77	136.4	21.2	80.2	6.1
TROJAN TXS-115A	136.4	19.6	83.8	7.4
P.A.G. SX373	134.5	21.5	81.3	9.8
COKER 22	134.4	21.3	82.8	7.4
ADLERS 60X	134.3	20.2	82.6	7.1
GOLD TAG ST3020	134.2	19.7	80.5	7.0
GOLDEN AC. T-E 6995	133.9	19.9	83.1	7.3
FUNK'S G4507A	133.5	19.9	85.0	6.9
PIONEER BRAND 3320	133.3	20.7	84.8	5.0
ADLERS 30X	132.7	18.9	83.2	5.3
P.A.G. SX333	132.0	19.5	83.5	7.7
COKER 19	129.0	19.7	80.3	6.0
PRINCETON SX860	127.6	20.7	80.6	4.8
CARGILL 921	122.5	18.5	83.8	8.3
O&H DM9177	120.5	21.1	77.4	8.6
YELLOW AVERAGE	141.6	20.9	83.3	7.4
WHITE HYBRIDS				
SO. STATES SS950H	144.7	22.6	85.7	8.5
ZIMMERMAN Z52W	141.3	22.5	84.2	7.7
ZIMMERMAN Z11W	138.9	22.6	85.0	8.8
DEKALB XL390B	136.7	22.0	82.0	7.1
RING AROUND RA2602H	135.8	22.8	83.1	12.0
ASGROW RY962W	135.4	22.9	84.2	7.8
HEACHAM'S MV78	134.5	22.3	73.4	9.7
PRINCETON SX910W	134.2	22.6	80.6	0.0
RING AROUND RA3605H	133.9	22.5	84.1	9.9
ZIMMERMAN Z14W	132.2	22.4	82.2	5.7
GOLDEN HARV. H2669H	130.0	22.9	79.9	8.9
WHITE AVERAGE	136.1	22.6	82.2	8.6
GRAND AVERAGE	140.8	21.1	83.1	7.6

TABLE 12.—TWO-YEAR SUMMARY, ALL NON-VIRUS LOCATIONS, 1981-1982

154.1
120.5
33.6

VARIETY	YIELD	AVG %	AVG %	AVG %	AVG %
	BU/AC	MOIST	STAND	LOTTED	%
	81-82	81-82	81-82	81-82	
YELLOW HYBRIDS					
MCCURDY 8150	154.1	22.4	86.6	4.0	
COLBERT 345	153.5	21.7	85.3	7.9	
ASRIGOLD A-6900	152.1	21.4	84.1	9.1	
SELECT SEED 9300	150.2	21.6	86.0	10.0	
RING AROUND 9A1604	149.4	21.2	83.7	9.5	
SELECT SEED 8990	148.3	20.2	85.4	4.7	
VORIS SEEDS V2641	148.0	21.4	81.6	6.9	
NORTHROP-KING PX95	147.9	22.5	82.8	8.4	
NAPB/MIGRRO SPX77	147.7	21.6	88.1	6.5	
BO-JAC 923	147.4	21.5	84.7	8.8	
RING AROUND 9A1502	147.4	20.8	84.5	5.7	
GOLD TAG GT4022	146.9	21.2	84.6	10.4	
SUPER CROST 7801	146.7	21.4	83.1	11.0	
ADLERS 88X	146.6	21.5	83.9	6.5	
GOLDEN HARV. H2680	146.3	21.6	82.6	8.7	
COLFRIT 340	146.0	21.1	83.6	7.1	
O'S GOLD SX5509	146.0	21.5	81.2	7.1	
PAYMASTER 8951	145.9	21.2	85.9	4.7	
COKER 21	145.8	21.3	82.5	10.4	
D&H 089113	145.6	21.3	82.9	9.0	
JACQUES JX247	145.5	21.4	82.0	9.8	
SELECT SEED 8400	145.4	20.1	86.9	4.9	
PREMIER SX636	145.4	20.2	84.3	6.6	
NAPB/MIGRO HP87	144.7	21.5	82.6	11.4	
DENNIS DS42	144.6	19.7	83.1	6.1	
COLBERT 315	144.5	20.6	86.6	6.9	
DEKALB XL71	144.3	20.9	86.1	7.6	
P.A.G. SX351	144.0	19.8	85.7	5.1	
SCOTT SEED LR880	144.0	21.4	82.6	9.4	
ZIMMERMAN Z24Y	143.7	20.4	85.9	5.2	
MCCURDY 84AA	143.6	21.3	82.0	7.5	
GOLDEN AC. T-E 6998	143.4	21.6	80.5	9.2	
SO. STATES SS915	143.4	21.9	84.4	10.7	
GOLDEN HARV. H2775A	143.3	21.9	84.5	9.6	
FUNK'S 64733	142.5	22.1	88.1	5.3	
NAPB/MIGRO 4-0707	142.5	21.1	85.3	8.8	
PIONEER BRAND 3184	141.9	20.8	85.7	4.2	
GOLDEN HARV. H2686	141.8	22.4	77.4	7.1	
PRINCETON SX870	141.6	21.2	79.2	8.7	
CARGILL 967	141.5	19.6	85.4	6.8	
STEWART 6973	141.3	21.2	79.7	9.8	
USS AG-CHEM USS2020	141.2	21.7	82.0	9.3	
RUFF'S R334A	140.6	20.1	83.1	8.0	

Small differences in yield are usually of little importance. The yield of two varieties at a single location may differ because of chance factors (difference in soil characteristics, fertility, or availability of moisture) even though the inherent yielding ability is the same. To decide if an observed yield difference is real, use the LSD (least significant difference) quoted at the bottom of the tables. If the difference in yield is greater than the LSD value, you may be reasonably certain that the entries actually do differ in yielding ability. "N.S." in the tables indicates that no statistically significant differences were determined. The LSD is calculated for an α level of 0.10.

PLANTING

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

HARVESTING

All plots were harvested with a modified two-row self-propelled corn combine. Both rows of each two-row plot were picked and 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 total number of plants and lodged plants were recorded immediately prior to harvest.

CORN VIRUS

Two corn virus diseases occur in Kentucky: maize dwarf mosaic virus (MDM) and maize chlorotic dwarf virus (MCD). Both overwinter in johnsongrass and are usually present as a virus complex. Two locations (Frankfort and Henderson) were planted with 56 hybrids to evaluate resistance to the virus complex. The

amount of virus infection at the Henderson site was minimal; therefore, virus ratings were not made and the data reflect performance in a non-disease situation.

The data for the two virus tests (Tables 14 and 15) have been ranked from highest to lowest yield rather than by virus rating. This change was made so that effects of stand losses, lodging and virus pressure (indicated by virus rating) can be more readily associated with yield.

The virus ratings for the Frankfort test in Table 15 are on a 0 to 9 scale. A rating of 0 means that the plants showed no virus symptoms while a rating of 9 means that nearly all plants had very severe symptoms and would likely produce no grain. Intermediate values represent degrees of virus resistance or susceptibility.

Five virus-susceptible check hybrids (three yellow and two white) were included in the virus tests. Their average performance is listed as Yellow or White Check Hybrids.

PRECIPITATION DURING THE 1982 SEASON

Precipitation recorded at each test location is given in Table 1. The data for the Princeton, Lexington and Quicksand locations were obtained from NWS Agr. Weather Observation stations. All other precipitation data were collected by county agent or farmer cooperators from instruments located on or near the test sites. Precipitation amounts were recorded weekly or after significant precipitation events but in some cases the recording may have been made some time after the precipitation occurred. Although some weekly totals may thus be inaccurate, the monthly and grand total accumulations are reasonably accurate.

TABLE 11.—(continued)

VARIETY	YIELD BU/AC 1982	AVG % MOIST 1982	AVG STAND 1982	TOTAL % LODGED 1982
YELLOW HYBRIDS				
PIONEER BRAND 3320	139.8	20.4	87.0	5.1
NAPB/MIGRO M-0707	139.6	20.9	85.2	3.0
SO. STATES SS915	139.4	21.7	81.5	10.2
PAYMASTER 7601	139.3	20.1	81.1	4.0
STEWART SX77	138.5	21.0	81.0	5.3
NORTHROP-KING X5611	138.3	20.4	87.6	4.0
NORTHROP-KING PX79	138.2	19.5	83.1	3.5
FUNK'S G4733	138.1	22.0	88.1	3.4
D&H DM7183	137.9	20.8	73.9	3.3
D&H DM8177	137.7	21.0	83.8	5.6
O'S GOLD SX5291	137.2	21.8	77.4	3.6
NORTHROP-KING PX95	137.2	22.0	83.0	9.8
P.A.G. SX333	137.2	19.7	84.3	5.9
GOLD TAG GT3020	137.0	19.9	79.4	3.6
ASGRON RX777	136.5	20.3	84.4	9.4
PIONEER BRAND 3358	136.3	19.8	82.7	2.5
TROJAN TXS-115A	136.2	19.8	83.0	3.9
BO-JAC 674	135.6	20.4	84.5	6.7
GOLDEY HARV. H2775A	135.5	21.5	80.2	9.3
GOLD TAG GT4430	135.0	20.8	83.0	4.0
DENNIS DS49	134.9	20.8	83.9	6.6
PRINCETON SX860	134.8	20.6	80.9	3.4
GOLDEN AC. T-E 6995A	134.7	19.6	81.8	5.3
NORTHROP-KING X6701	134.7	20.7	83.9	2.4
COXER 22	134.4	21.1	81.3	7.9
JACQUES JX227	134.0	19.8	79.4	2.7
RUFF'S R334A	133.9	20.6	81.3	5.8
PREMIER SX636	133.6	19.3	81.0	5.3
VORIS SEEDS V2631	133.5	20.8	87.2	7.4
ADLFRS 60X	133.3	20.1	81.2	5.4
GOLDEN AC. T-E 6998	132.7	21.5	75.7	9.4
STEWART 7824	132.7	21.6	76.4	9.5
ZIMMERMAN Z25Y	132.1	21.4	81.8	6.3
SCOTT SEED LR220	131.6	18.9	83.6	3.2
P.A.G. SX373	129.7	21.5	79.3	7.5
JACQUES JX197	129.5	19.8	74.4	5.8
SO. STATES SS885	128.9	20.9	83.7	6.5
STEWART 7381	128.8	20.9	76.3	5.8
COXER 19	128.7	20.0	77.6	4.6
SO. STATES SS737	127.3	19.5	85.0	2.6
USS AG-CHEM USS1009	126.1	19.9	80.0	4.6
CARGILL 921	121.4	19.1	81.2	7.6
YELLOW AVERAGE	141.5	20.8	82.7	5.9
WHITE HYBRIDS				
SO. STATES SS950W	142.5	22.5	86.4	7.5
DEKALB XL390B	134.9	22.3	83.2	5.6
RING AROUND RA2602W	131.2	22.2	80.9	11.6
FUNK'S G4779W	131.1	22.2	80.7	4.0
ZIMMERMAN Z11W	130.7	21.9	83.2	7.8
P.A.G. SX70W	130.4	22.4	87.7	22.2
ZIMMERMAN Z52W	129.5	22.2	81.7	7.2
ZIMMERMAN Z14W	129.0	22.3	84.7	5.4
ASGRON RX962W	128.1	23.2	83.1	9.2
RING AROUND RA3605W	124.4	22.6	82.2	10.1
MEACHAM'S MV78	121.9	21.5	64.7	9.5
GOLDEN HARV. H2660W	120.8	22.9	74.8	9.0
PRINCETON SX910W	117.6	22.5	72.2	7.8
MEACHAM'S MV88	109.0	21.9	65.8	4.8
WHITE AVERAGE	127.2	22.3	79.4	5.7
GRAND AVERAGE	139.8	21.0	82.3	7.0

137.6 →

157.9
109.9
47.1
TABLE 11.—ANNUAL SUMMARY, ALL NON-VIRUS LOCATIONS, 1982

VARIETY	YIELD				MOIST STAND
	50/JAC 1982	AVG % 1982	AVG T/DIAL % 1982	LN35C2 1982	
YELLOW HYBRIDS					
MCCURDY 8150	157.6	27.2	86.2	4.0	
GOLD TAG 614022	156.5	21.6	87.4	10.5	
COLBERT 345	155.4	21.4	82.4	7.2	
AGRICOLD A-6900	155.4	21.6	82.4	10.5	
P.A.G. SX351	154.3	19.9	84.0	3.4	
RING AROUND R41604	154.3	21.1	82.5	10.0	
CAMPBELL C960	154.1	20.7	84.5	5.9	
DEKALB EX7079	153.6	21.3	83.7	7.9	
VORIS SEEDS V2641	152.3	21.5	81.1	5.4	
ADLER 88X	151.1	21.3	84.3	6.7	
DEMAIS 0542	150.8	21.0	85.0	5.2	
FUNK'S 64522	150.1	20.0	82.8	3.9	
JACQUES JX247	149.9	21.4	82.2	12.9	
COLBERT 315	149.6	20.7	85.6	4.7	
O'S GOLD 2570	149.4	20.8	84.0	4.4	
AGRICOLD A-6910	149.2	21.0	85.0	5.7	
STAUFER 58818	149.3	21.3	82.4	13.2	
PRINCETON SX870	147.9	21.4	82.0	3.5	
NABP/MIGRO HP855	147.4	20.5	86.5	7.4	
PRESTER SX51048	147.2	20.3	82.2	3.8	
NABP/MIGRO HP877	147.6	21.5	82.4	13.9	
LEADER SX772	147.4	21.1	81.9	10.1	
NABP/MIGRO SP777	147.1	21.5	82.0	9.8	
NABP/MIGRO HP771	147.0	20.8	82.0	2.7	
SCOTT SEED LR840	146.9	21.6	82.7	9.4	
SELECT SEED 9300	146.7	21.6	84.2	12.5	
GOLDEN HARY. H2680	146.6	21.8	81.5	11.4	
SUPER CROST 6762	146.5	21.5	86.3	4.4	
COLBERT 340	146.2	21.1	83.7	6.0	
COKE 21	146.1	21.9	83.1	13.7	
SELECT SEED 8900	146.0	20.4	83.3	4.4	
90-JAC 912	145.6	20.9	83.1	7.6	
CARGILL 967	145.5	19.4	84.3	4.4	
STEWART 6973	145.2	21.7	79.4	9.5	
DEKALB XL71	144.4	21.3	85.6	4.2	
MCCURDY 8444	144.6	21.3	79.9	9.2	
SELECT SEED 8400	144.6	20.1	86.8	2.4	
80-JAC 923	144.5	21.7	83.5	10.4	
GOLDEN HARY. H2686	144.4	22.1	78.4	5.4	
DEKALB EX778	144.2	20.9	80.1	5.6	
RING AROUND R41502	144.2	20.7	84.7	5.0	
ZIMMERMAN 224Y	144.2	20.3	84.5	4.4	
AGRICOLD A-6810	143.2	20.7	83.1	9.7	
NABP/MIGRO HP722	142.9	20.7	87.2	3.5	
USS AG-CHEM USS2020	142.8	21.4	82.2	12.8	
SELECT SEED 9122	142.7	20.5	86.5	6.7	
PIONEER BRAND 3198	142.5	20.4	83.9	6.3	
SELECT SEED 5186	142.4	20.0	84.2	3.0	
DRM DM9113	142.3	21.7	82.1	9.8	
PAYMASTER 8951	142.1	21.4	85.8	3.5	
TRUJAN 1-1250	142.1	21.0	81.8	10.7	
PIONEER BRAND 3184	142.0	21.4	81.6	3.4	
USS AG-CHEM USS1515	141.9	20.5	80.3	13.0	
O'S GOLD SX3509	141.7	21.7	78.1	5.5	
SUPER CROST 5434	141.6	20.2	83.5	3.3	
SUPER CROST 7401	141.6	21.0	78.9	15.6	
GOLDEN AC. T-E 6995	141.4	20.3	83.1	5.8	
JACQUES 8220	141.3	22.0	82.6	11.5	
BECK'S 98X	141.0	21.0	83.7	2.4	
STAUFER 58500	141.0	20.7	83.4	7.5	
FUNK'S 64507A	141.0	20.2	86.5	5.2	
COKE 19A	140.2	20.7	84.2	4.8	
ADLER 30X	140.1	19.4	84.2	4.6	
SUPER CROST 6101	140.0	19.4	82.1	5.2	
AGRICOLD A-6612	139.9	20.9	74.8	7.0	

TABLE 1.—PRECIPITATION AT TEST LOCATIONS, 1982

Month	Days	Location							
		Princeton	Murray	Sebree	Henderson	Elkton	Bardstown	Lexington	Quicksand
Inches									
May	1-8	--	0.30	--	--	--	0.95	0.40	0.22
	9-16	0.76	--	--	--	--	--	--	--
	17-24	2.40	1.58	3.05	5.00	--	1.80	0.89	3.61
	25-31	2.27	0.57	1.42	2.10	--	1.03	0.70	2.51
	Total	5.43	2.45	4.47	7.10	--	3.78	1.99	6.34
June	1-8	0.97	0.10	--	0.70	1.00	1.22	1.25	3.26
	9-16	1.13	1.79	--	1.20	--	0.52	2.43	1.53
	17-24	0.05	--	1.02	0.30	0.87	--	0.33	0.15
	25-30	0.09	0.48	--	2.60	1.07	0.26	0.13	2.49
	Total	2.24	2.37	1.02	4.80	2.94	2.00	4.14	7.55
July	1-8	0.72	2.49	1.70	0.52	--	0.82	0.21	0.30
	9-16	1.92	0.60	0.56	0.39	1.35	0.95	1.85	0.31
	17-24	3.19	1.32	--	0.58	--	1.00	0.94	3.04
	25-31	0.55	0.07	1.03	--	--	0.14	0.64	0.61
	Total	6.38	4.48	3.29	1.49	1.35	2.91	3.65	4.39
Aug.	1-8	1.39	0.74	0.70	0.40	--	2.20	1.17	2.88
	9-16	0.01	--	--	0.70	--	0.50	0.40	0.64
	17-24	1.52	3.25	--	1.30	--	0.34	0.02	0.69
	25-31	2.82	3.15	1.67	2.75	--	1.87	3.43	1.06
	Total	5.74	7.14	2.37	5.15	--	4.91	5.02	5.27
Sept.	1-8	0.29	0.80	0.37	1.17	--	2.03	0.96	0.36
	9-16	1.84	4.77	1.80	2.50	7.90	1.03	0.76	2.75
	17-24	0.46	0.29	--	0.30	--	0.64	0.32	0.29
	25-31	0.52	--	2.25	--	--	--	0.08	0.32
	Total	3.17	5.86	4.42	3.97	7.90	3.70	2.12	3.72
Oct.	1-8	0.14	--	--	1.80	6.20	0.30	--	--
	9-16	0.54	--	--	--	0.62	--	--	1.15
	17-24	0.28	--	--	--	--	--	--	0.23
	25-31	--	--	--	--	--	--	--	--
	Total	0.96	--	--	1.80	6.82	0.30	--	1.38
Grand Total		23.92	22.30	15.57	24.31	19.01	17.60	16.92	28.29

Precipitation was not available at this location.

Hybrids - 2 Crows - 1
 Big 'D' - 1 Customstam - 10

TABLE 2.—HYBRIDS TESTED IN 1982

Hybrid	Test*	Color	Cross**	Source
Adler's	✓ 30X	A	Yellow 2X	Adler's Seed Inc.
	✓ 60X	A	Yellow 2X	Route 1
	✓ 70X	B	Yellow 2X	Sharpsville, IN 46068
	✓ 73X	B	Yellow 2X	
	✓ 88X	A	Yellow 2X	
AgriGold	✓ A-6612	A	Yellow 2X	Akin Seed Co.
	A-6700	B	Yellow 2X	Route 1
	✓ A-6810	A	Yellow 2X	St. Francesville, IL 62460
	✓ A-6900	A	Yellow 2X	
	✓ A-6910 XA-830	A B	Yellow Yellow	
Asgrow	✓ RX777	A	Yellow 2X	Asgrow Seed Co.
	✓ RX962H	A	White 2X	Kalamazoo, MI 49001
Beck's	✓ 90X	A	Yellow 2X	Beck's Superior Hybrids, Inc. Route 2, Box 142 Atlanta, IN 46031
Bo-Jac	✓ 674	A	Yellow 2X	Bo-Jac Hybrid Corn Co.
	✓ 912	A	Yellow 2X	R. R. #2
	✓ 923	A	Yellow 2X	Mount Pulaski, IL 62548
Campbell	C960	A	Yellow 2X	Campbell Seed R. R. #3 Tipton, IN 46072
Cargill	921	A	Yellow 2X	Cargill Seeds
	951	B	Yellow 2X	P. O. Box 9480
	967	A	Yellow 2X	Minneapolis, MN 55440
Coker	19	A	Yellow 2X	Coker's Pedigreed Seed Co.
	19A	A	Yellow 2X(Mod)	P. O. Box 340
	21	A	Yellow 2X	Hartsville, SC 29550
	22	A	Yellow 3X	
Colbert	315	A	Yellow 2X	Colbert Farms
	340	A	Yellow 2X	R. R. #2
	345	A	Yellow 2X	Washington, IN 47501
D & H	DH7150	B	Yellow 2X	D & H Seeds & Services, Inc.
	DH7183	A	Yellow 2X	P. O. Box 523
	DH8177	A	Yellow 2X	Robinson, IL 62454
	DH9113	A	Yellow 2X	
	DH9228	B	Yellow 2X(Mod)	
DeKalb	EX7778	A	Yellow 2X	DeKalb-Pfizer Genetics
	EX7979	A	Yellow 2X	Sycamore Road
	EX8989	B	Yellow	DeKalb, IL 60115
	XL71	A	Yellow 2X	
	XL72B	B	Yellow 2X	
	XL72BR	B	Yellow 2X	
	XL390B	A	White 3X	
Dennis	DS42	A	Yellow 2X	Dennis Hybrid Co.
	DS49	A	Yellow 2X	P. O. Box 487
	DSM-19	B	Yellow 2X	Windfall, IN 46076
Funk's	EX29092	B	Yellow	Funk's Seed International
	G4507A	A	Yellow 2X(Mod)	1300 Washington Street
	G4522	A	Yellow 2X(Mod)	Bloomington, IL 61701
	G4525A	B	Yellow 2X(Mod)	
	G4733	A	Yellow 2X(Mod)	
	G4740	B	Yellow 2X(Mod)	
	G4779W	A	White 2X	
Gold Tag	GT-EX4045	B	Yellow 3X	Ferry Morse Seeds
	GT3020	A	Yellow 2X	P. O. Box 24
	GT4022	A	Yellow 2X	Caneseo, IL 61254
	GT4430	A	Yellow 2X	

12
2

20

2

20

5

6

15

15

12

1

TABLE 10.—(continued)

VARIETY	YIELD	YIELD	YIELD	AVG %	AVG %	AVG %
	80/AC 80-82	81/AC 81-82	82/AC 1982	1982	1982	1982
YELLOW HYBRIDS						
PAYMASTER 8951	132.9	147.4	147.1	23.7	86.7	1.7
GOLDEN AC. T-E 6995A			146.8	21.3	79.0	2.3
NAPB/41GRO HP722			146.7	21.7	81.4	5.3
GOLD TAG GT3020	123.5	144.2	146.5	20.2	78.6	1.9
BO-JAC 912			145.8	22.2	79.0	20.4
SCOTT SEED LR220			145.5	19.0	87.1	2.2
D&H DM7183			145.1	21.5	74.3	4.0
O'S GOLD SX5291		138.2	144.6	23.2	76.7	1.2
MCCURDY 844A	140.6	150.4	144.1	22.1	80.0	12.6
PRFMIER SX639AB			144.1	21.8	71.0	4.6
AGRIGOLD A-6612			142.9	20.9	74.3	7.1
VORIS SEEDS V2631			142.4	21.4	91.9	0.0
BO-JAC 674			141.9	22.4	79.5	4.5
COKER 19	131.1	143.1	141.5	19.9	72.4	5.7
FUNK'S G4507A	116.9	137.5	141.4	20.6	78.1	11.2
NORTHRUP-KING PX79			141.4	20.1	81.4	2.4
RUFF'S R338A	121.4	138.3	141.1	22.2	80.0	9.0
JACQUES 8220			140.9	22.5	76.7	12.2
USS AG-CHEM USS1516	117.4	133.6	138.5	21.2	72.4	19.6
STAUFFER S881A			137.7	22.5	72.4	7.5
ZIMMERMAN Z25Y			137.2	21.9	71.4	10.2
NORTHRUP-KING PX95	130.9	143.6	136.0	23.9	84.8	6.6
CARGILL 921		120.2	135.9	19.9	78.1	4.4
ADLERS 30X	106.9	116.8	135.7	20.9	79.5	0.6
ASGROW RX777			134.1	22.1	78.6	7.4
STEWART SX77	113.7	127.4	134.0	24.4	77.1	6.8
PREMIER SX636	138.0	149.8	133.8	19.7	77.1	13.7
SELECT SEED 9300	131.6	144.2	131.4	23.0	77.1	27.2
NORTHRUP-KING X5611			130.5	21.3	83.8	16.2
CARGILL 967	124.6	139.2	129.2	19.8	72.9	22.4
JACQUES JX197			128.4	19.7	69.0	16.8
GOLDEN HARV. H2775A		138.0	128.2	23.1	80.5	12.0
GOLDEN HARV. H2656		132.0	128.1	22.7	65.7	19.8
SO. STATES SS8A5			128.0	23.7	79.0	19.7
STEWART 7824			127.4	23.9	77.6	3.5
D&H DH8177		121.4	126.4	23.6	76.7	17.5
SO. STATES SS737			123.1	19.6	86.7	1.8
USS AG-CHEM USS1009			119.9	22.1	71.4	5.8
GOLDEN AC. T-E 6998		138.8	118.9	22.1	63.8	26.2
STEWART 7381			118.6	21.2	67.6	14.8
SELECT SEED 8900		135.2	115.1	21.6	69.0	2.9
PRINCETON SX860	96.8	109.1	107.4	21.4	70.0	12.6
YELLOW AVERAGE	133.1	147.9	154.1	21.8	80.3	5.6
WHITE HYBRIDS						
SO. STATES SS950W	143.2	164.6	172.0	23.0	90.0	2.1
ZIMMERMAN Z11W	150.7	169.7	169.6	23.3	91.0	8.9
ZIMMERMAN Z14W	138.9	146.9	167.7	24.6	82.9	1.8
FUNK'S G4779W			163.6	23.3	80.0	1.8
ZIMMERMAN Z52W	145.1	163.3	163.3	23.1	84.8	5.4
DEKALB XL390B	133.0	152.7	161.4	24.1	79.5	1.2
P.A.G. SX70W			160.1	23.9	85.7	7.4
ASGROW RX962W	137.1	151.5	147.7	24.0	79.0	9.4
RING AROUND RA3605W			152.7	23.3	78.1	12.9
MEACHAM'S MV78	139.6	153.1	143.4	24.1	69.0	9.3
MEACHAM'S MV88			138.2	22.9	65.7	3.0
PRINCETON SX910W	142.4	159.0	138.8	24.7	66.7	7.4
GOLDEN HARV. H2660W	133.5	146.9	136.2	23.6	62.9	8.7
RING AROUND RA2602W	132.2	145.3	125.4	24.1	70.5	33.3
WHITE AVERAGE	139.6	155.1	152.4	23.7	77.6	8.0
GRAND AVERAGE	134.2	148.9	153.9	22.0	79.9	5.9
LSD*			23.8	1.3	8.4	10.1
C.V.			14.7	5.6	10.0	163.4

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TABLE 10.—ANNUAL SUMMARY, QUICKSAND

VARIETY	YIELD	YIELD	YIELD	AVG %	AVG %	AVG %
	BU/AC 80-82	BU/AC 81-82	BU/AC 1982	MOIST 1982	STAND 1982	LODGED 1982
YELLOW HYBRIDS						
GOLD TAG GT4022	150.6	164.4	203.6	21.8	89.0	2.7
MCCURDY 8150		174.8	192.9	23.9	82.4	0.5
AGRIGOLD A-6900	150.1	166.7	190.6	23.7	81.9	3.0
RING AROUND RA1604	145.3	170.5	190.4	22.4	79.5	3.0
COKER 21		154.9	188.8	22.4	84.8	4.4
ADLERS 88X	146.8	171.6	186.3	22.0	87.6	10.0
STAUFFER S8500			183.9	20.8	79.0	3.1
ADLERS 60X		158.3	181.7	20.4	83.8	1.1
GOLDEN HARV. H2680		161.0	177.9	22.6	78.1	3.1
USS AG-CHEM USS2020	141.4	151.5	177.0	22.6	81.9	4.8
PIONEER BRAND 3184	143.1	167.9	176.0	22.7	81.0	1.9
AGRIGOLD A-6810		175.4	175.4	21.6	84.3	4.6
SELECT SEED A400	137.9	155.6	174.6	21.9	91.4	2.5
TROJAN T-1230	128.0	139.1	174.5	21.2	75.7	7.6
O'S GOLD 2570			173.4	22.4	78.1	3.8
NAPB/MIGRO HP555			173.4	22.0	83.8	3.3
JACQUES JX247	129.8	144.0	172.9	24.0	81.0	1.2
PIONEER BRAND 3320	142.9	159.9	172.9	21.6	84.8	0.0
PRINCETON SX870	132.6	147.8	172.9	22.6	81.4	4.8
LEADER SX722			172.0	22.2	81.0	0.6
FUNK'S G4522		140.1	171.1	20.1	81.9	3.5
DEKALB XL71	138.7	159.2	170.6	20.8	90.5	1.1
COLBERT 345	145.8	162.3	169.6	21.6	83.3	0.0
CAMPBELL C960			169.5	21.1	83.8	2.7
O&H DM9113	137.3	159.7	169.5	21.9	82.9	3.0
COKER 19A	134.3	154.8	168.7	20.5	81.9	1.7
PIONEER BRAND 3358			168.3	20.5	72.9	4.4
BO-JAC 923	145.6	157.4	168.1	23.6	82.4	2.5
NAPB/MIGRO HP87	142.1	152.5	167.9	23.2	79.5	3.5
PIONEER BRAND 3198			166.6	21.5	74.3	2.0
ZIMMERMAN Z24Y	130.6	153.0	165.7	22.3	87.6	2.7
COLBERT 340	131.0	140.6	165.6	22.8	87.6	1.1
NAPB/MIGRO SPX77	145.0	166.9	164.5	22.8	90.0	0.5
COLBERT 315	139.0	157.3	164.1	23.8	82.4	1.0
SUPER CROST 7801	142.0	157.0	164.1	21.7	76.2	7.6
VORIS SEEDS V2641		154.8	163.9	22.2	76.2	2.3
P.A.G. SX333	124.5	139.1	163.1	20.3	82.9	1.9
GOLDEN AC. T-E 6995	135.5	153.0	162.5	21.1	83.8	2.7
O'S GOLD SX5509	140.7	158.2	162.2	22.5	78.6	0.6
DEKALB EX7979			162.1	22.1	77.6	4.1
FUNK'S G4733		164.1	161.6	22.7	84.8	3.9
BECK'S 90X			160.7	22.9	84.8	1.6
SUPER CROST 6762			160.7	21.4	87.6	0.0
SO. STATES 88915	139.3	160.1	160.3	23.3	82.4	2.8
AGRIGOLD A-6910			160.0	21.9	98.1	4.8
NAPB/MIGRO H-0707	132.7	153.1	159.6	21.8	88.1	0.6
SELECT SEED 5188			157.7	20.5	82.4	1.1
JACQUES JX227		157.5	157.5	21.2	79.0	4.1
RING AROUND RA1502	146.1	164.4	157.1	22.0	85.2	3.8
TROJAN TXS-115A	136.0	159.0	156.6	21.3	83.8	2.4
SCOTT SEED LR880		136.6	156.5	22.0	80.0	3.1
GOLD TAG GT4430			156.4	21.3	81.0	5.2
P.A.G. SX351	123.6	134.4	156.2	19.8	84.8	3.3
SELECT SEED 9122			155.0	20.9	82.4	5.6
DENNIS DS42	133.9	142.9	154.3	21.3	88.6	3.2
P.A.G. SX373	128.1	141.7	154.0	21.5	82.4	1.7
NAPB/MIGRO HP771			152.8	21.9	78.6	0.0
SUPER CROST 5438			152.7	21.0	86.2	3.8
SUPER CROST 6101	122.8	134.7	152.1	19.6	83.3	1.1
PAYMASTER 7601		145.1	151.4	21.0	78.6	1.6
COKER 22	128.5	136.0	150.9	23.1	77.1	3.8
STEWART 6973	125.0	138.7	150.1	22.7	77.1	9.3
DEKALB EX7778			149.6	21.6	79.0	6.4
NORTHROP-KING X6701			148.3	21.3	85.7	1.1
DENNIS DS49			147.5	22.8	79.5	8.8

TABLE 2.—(continued)

	Hybrid	Test*	Color	Cross*	Source
1 Golden Acres	T-E 6945 T-E 6995 T-E 6995A T-E 6999	B A A A	Yellow Yellow Yellow Yellow	2X(Mod) 2X 2X 2X	Taylor-Evans Seed Co. P. O. Box 68 Tulia, TX 79088
15 Golden Harvest	H2660W H2680 H2686 H2745 H2775A	AB A A B A	White Yellow Yellow Yellow Yellow	2X 2X 2X 3X 2X(Mod)	Columbianna Seed Co. Eldred, IL 62027
3 Jacobi	CX92 EXP7300	B B	Yellow Yellow	2X ---	Jacobi Hybrids R. R. #1 McCordsville, IN 46055
Jacques	8220 EX2119 JX197 JX227 JX247	A B A AB A	Yellow Yellow Yellow Yellow Yellow	2X --- 2X 2X 2X	Jacques Seed Co. Prescott, WI 54021
1 Leader	SX722	A	Yellow	2X	Leader Seeds, Inc. 7160 S. R. 118 Celina, OH 45822
7 McCurdy	80-62 81-34 81-35 8150 8225 84AA	B B B A B A	Yellow Yellow Yellow Yellow Yellow Yellow	--- --- --- 2X 2X 2X	McCurdy Seed Co. Prescott, IA 52561
1 Meacham's	MV78 MV88	A A	White White	2X 3X	Meacham's Hybrids Route 3, Box 239 Morganfield, KY 42437
1 NAPB/Migro	HP722 HP771 HP555 HP87 M-0707 SPX77	A A A A A A	Yellow Yellow Yellow Yellow Yellow Yellow	2X 2X 2X 2X 2X 2X	NAPB/Migro 5201 Johnson Drive P. O. Box 2955 Mission, KS 66201
1 Northrup-King	PK79 PK95 X5611 X6701	AB AB AB A	Yellow Yellow Yellow Yellow	2X 2X 2X 2X	Northrup-King & Co. 1500 Jackson St., N.E. Minneapolis, MN 55413
3 O's Gold	2570 3344 5255 SX5291 SX5509	B B B A A	Yellow Yellow Yellow Yellow Yellow	2X 2X 2X(Mod) 2X 2X	O's Gold Seed Co. P. O. Box 460 Parkersburg, IA 50665
15 P.A.G.	SX17A SX70W SX333 SX351 SX373	B A A A A	Yellow White Yellow Yellow Yellow	2X 2X 2X 2X 2X	P-A-G Seeds P. O. Box 9480 Dept. 16 Minneapolis, MN 55440
6 Paymaster	7601 8951 9792	A A B	Yellow Yellow Yellow	2X 2X 2X	Paymaster Seeds P. O. Box 9493 Minneapolis, MN 55440
15 Pioneer Brand	3147 3184 3187 3198 3320 3328 3358	B A B A A B A	Yellow Yellow Yellow Yellow Yellow Yellow Yellow	2X(Mod) 2X 2X(Mod) 2X 2X(Mod) 2X(Mod) 2X	Pioneer Hi-Bred Int. 221 North Main Street Tipton, IN 46072
1 Prairie Stream	X7095	B	Yellow	2X	Prairie Stream Farm Route 3, Box 56 Frankfort, IN 46041

TABLE 2.—(continued)

	Hybrid	Test*	Color	Cross**	Source	
1	Premier	SX636 SX639AB	A A	Yellow Yellow	2X 2X(Mod)	Premier Hybrids Route 15, Box 223X Acton, IN 46259
3	Princeton	SX860 SX870 SX910W	A A AB	Yellow Yellow White	2X 2X 2X	Princeton Farms P. O. Box 319 Princeton, IN 47670
	Ring Around	RA1502 RA1604 RA2602W RA3605W	A A A A	Yellow Yellow White White	2X 2X 2X(Mod) 2X(Mod)	Ring Around Products, Inc. P. O. Box 589 Montgomery, AL 36101
1	Ruff's	R334A R445	A B	Yellow Yellow	2X 2X	Ruff's Seed Farms Amanda, OH 43102
3	Scott Seed	LR220 LR880	A A	Yellow Yellow	2X 2X	Scott Seed Co., Inc. P. O. Box 849 New Albany, IN 47150
3	Select Seed	5188 8400 8900 9122 9300 MDM75	A A A A A B	Yellow Yellow Yellow Yellow Yellow Yellow	2X 2X 2X 2X 2X 2X	Select Seed Hybrids P. O. Box 54 Camden, IN 46917
5	Southern States	SS710 SS737 SS885 SS915 SS950W	B A A A A	Yellow Yellow Yellow Yellow White	3X 2X 2X 2X 3X	Southern States Coop., Inc. P. O. Box 26234 Richmond, VA 23260
1	Stauffer	S8500 S8818	A A	Yellow Yellow	2X 2X	Stauffer Seeds 975 South Durkin Drive Springfield, IL 62704
3	Stewart	6586 6973 7381 7824 SX77	B A A A A	Yellow Yellow Yellow Yellow Yellow	2X 2X 2X 2X 2X	Stewart's Hybrids, Inc. Princeville, IL 61559
1	Super Crost	5438 6101 6762 7795 7801	A A A B A	Yellow Yellow Yellow Yellow Yellow	2X 2X 2X 2X(Mod) 2X	Edw. J. Funk & Sons, Inc. Box 67 Kentland, IN 47951
	Trojan	MDM-116 T-1230 TXS-115A	B A A	Yellow Yellow Yellow	3X 2X 2X	DeKalb-Pfizer Genetics P. O. Box 367 Windfall, IN 46076
	U.S.S. Ag. Chem.	USS1009 USS1516 USS2020 USS2315 USS2461	A A A B B	Yellow Yellow Yellow Yellow Yellow	2X 2X 2X 2X ---	U.S.S. Agri-Chemicals Div. of United States Steel Corp., P. O. Box 1685 Atlanta, GA 30301
1	Voris Seeds	V2631 V2641	A A	Yellow Yellow	2X 2X	Voris Seeds, Inc. P. O. Box 457 Windfall, IN 46076
	Zimmerman	Z11W Z14W Z24Y Z25Y Z30Y Z32Y Z52W	A AB A AB B B AB	White White Yellow Yellow Yellow Yellow White	2X 2X 2X 2X 2X -- 3X	Zimmerman Hybrids, Inc. 5147 W. Franklin Rd. Evansville, IN 47712

* A = Performance Test, B = Virus Test

** 2X = Single Cross, 2X(Mod) = Modified Single Cross, 3X = Three-Way Cross

TABLE 9.—(continued)

VARIETY	YIELD	YIELD	YIELD	AVG %	AVG %	AVG %
	BU/AC	BU/AC	BU/AC	MOIST	STAND	TOTAL %
	80-82	81-82	1982	1982	1982	1982
YELLOW HYBRIDS						
JACQUES JX197			141.7	21.8	81.4	2.3
ASGROW RX777			141.5	22.3	90.0	1.1
FUNK'S G4522		134.2	141.0	22.7	88.6	0.5
GOLD TAG G74430			141.3	24.5	88.1	0.5
AGRIGOLD A-6612			140.9	22.9	82.9	2.4
USS AG-CHEM USS1009			140.5	22.6	85.7	2.9
TROJAN T-1230	144.6	142.1	140.2	24.2	90.0	1.1
MCCURDY 8150		143.0	139.9	25.0	86.2	3.8
SUPER CROST 5438			139.4	21.3	90.0	0.5
AGRIGOLD A-6810			139.4	23.0	84.8	0.5
COLBERT 340	142.1	148.1	139.8	24.7	88.6	0.0
D&M DH9113	148.9	141.9	138.2	24.7	81.4	4.1
SCOTT SEED LR880			137.7	25.5	84.8	2.8
COKER 19A	126.0	132.2	137.3	23.6	87.1	0.0
GOLD TAG GT3020	129.4	135.8	136.8	21.3	78.6	1.3
VORIS SEEDS V2631			135.8	24.0	90.0	1.1
SELECT SEED 5188			134.8	22.5	91.4	1.5
P.A.G. SX373	134.5	137.3	134.3	24.2	84.3	0.5
FUNK'S G4507A	125.2	132.9	134.1	23.4	95.2	1.5
SUPER CROST 6101	129.2	139.0	133.9	22.4	85.2	1.1
RING AROUND RA1502	136.6	132.4	133.7	22.7	83.3	1.1
P.A.G. SX333	120.0	121.1	133.6	21.4	91.0	5.2
RUFF'S R334A	134.0	137.9	133.3	22.3	89.0	2.8
STAUFFER S8500			132.4	24.0	84.3	1.1
BECK'S 90X			132.1	23.8	89.0	0.0
ADLERS 30X	125.8	128.5	131.8	21.1	87.1	6.0
DEKALB XL71	131.4	142.2	131.7	24.0	89.0	0.0
O'S GOLD 2570			131.5	25.1	81.4	2.3
SO. STATES SS737			131.1	22.6	93.8	1.6
STEWART SX77	131.8	129.8	131.0	23.2	86.7	0.6
NORTHRUP-KING PX79			130.2	21.4	87.1	0.5
NORTHRUP-KING X5611			129.0	23.5	89.0	4.3
SO. STATES SS885			128.8	23.5	94.3	2.0
STEWART 7381			128.7	24.8	83.3	1.8
TROJAN TXS-115A	125.8	134.1	127.1	22.3	85.7	2.8
JACQUES JX227			126.4	22.9	92.9	0.5
PREMIER SX636	139.8	133.4	126.0	23.2	86.2	0.0
NAPB/MIGRO M-0707	128.9	129.6	125.0	23.1	87.1	0.0
GOLDEN AC. I-E 6995	123.5	136.9	124.6	24.3	87.1	1.1
NORTHRUP-KING X6701			122.9	23.0	89.5	0.5
SCOTT SEED LR220			121.9	20.7	84.3	0.6
COKER 19	120.0	122.9	118.6	22.8	80.5	1.2
YELLOW AVERAGE	137.6	141.7	145.3	23.5	87.4	1.6
WHITE HYBRIDS						
RING AROUND RA3605W		135.8	143.6	25.1	84.8	1.1
ZIMMERMAN Z52W	138.2	145.0	142.1	25.0	90.5	1.1
ZIMMERMAN Z14W	138.1	135.8	140.5	26.1	89.0	0.0
ZIMMERMAN Z11W	130.3	138.1	136.6	25.7	90.0	1.1
P.A.G. SX70N			134.7	24.3	91.9	4.0
ASGROW RX962W	131.6	129.9	133.9	25.9	86.7	0.0
DEKALB XL390B	131.1	127.5	133.0	25.9	84.3	3.4
SO. STATES SS950W	131.5	134.5	131.6	25.7	87.1	0.0
MEACHAM'S MV78	128.0	131.5	131.6	25.3	69.0	1.3
RING AROUND RA2602W	131.2	124.2	128.3	25.5	81.9	0.0
MEACHAM'S MV88			122.5	24.5	73.3	0.6
GOLDEN HARV. H2660W	122.1	126.8	120.1	27.3	80.0	0.6
FUNK'S G4779W			116.2	26.2	81.9	2.5
PRINCETON SX910W	125.5	129.1	116.1	25.1	77.1	0.6
WHITE AVERAGE	130.8	132.6	130.8	25.5	83.4	1.2
GRAND AVERAGE	136.4	140.3	143.6	23.7	86.9	1.5
LSD*			15.3	1.3	5.6	2.0
C.V.			10.2	5.2	6.2	126.3

TABLE 9.—ANNUAL SUMMARY, LEXINGTON

VARIETY	YIELD BU/AC 80-82	YIELD BU/AC 81-82	YIELD BU/AC 1982	AVG % MOIST 1982	AVG % STAND 1982	TOTAL % LODGED 1982
YELLOW HYBRIDS						
CAMPBELL C960			171.5	23.3	90.5	1.6
STEWART 6973	147.4	149.1	170.9	23.8	85.2	0.0
CARGILL 967	149.9	157.3	168.7	22.1	90.5	0.5
SELECT SEED 8900		155.2	164.5	23.1	92.9	2.0
COLBERT 345	139.9	153.4	163.4	24.9	85.7	2.3
GOLD TAG 6T4022	146.8	151.8	163.2	23.7	90.0	2.2
DEKALB EX7979			162.6	24.5	88.6	1.1
AGRIGULO A-6910			161.3	24.3	88.1	1.0
PREMIER SX539AB			160.9	22.1	86.2	2.3
VORIS SEEDS V2641		149.8	160.5	24.7	87.1	1.1
COKE 21		151.1	160.4	24.4	83.3	0.5
P.A.G. SX351	140.3	147.2	160.0	23.9	93.3	1.5
90-JAC 912			158.9	22.9	84.3	1.1
AGRIGULO A-6900	147.9	152.4	158.6	25.8	84.3	1.1
SO. STATES SS915	134.9	153.1	158.5	25.4	89.5	4.4
STAUFFER S8318			158.4	24.4	88.6	1.1
ADLERS 88X	141.6	142.4	158.3	23.8	86.2	2.1
JACQUES 8220			157.9	24.3	84.3	1.7
PIONEER BRAND 3358			156.8	23.2	91.0	1.5
NAPB/MIGPD HP722			156.8	23.7	93.3	1.5
COLAERT 315	140.6	146.7	156.4	23.1	91.4	2.0
GOLDEN HARV. H2775A		151.9	155.8	22.8	91.4	1.1
RING AROUND RA1604	145.2	150.9	155.6	23.1	86.2	1.1
PRINCETON SX860	121.7	170.5	155.5	23.1	82.9	0.6
PRINCETON SX870	147.2	144.8	154.8	22.9	87.6	2.9
NAPB/MIGRO HP555			154.3	21.1	89.5	1.6
90-JAC 923	147.3	141.0	154.3	23.0	89.0	1.6
JACQUES JX247	142.4	137.1	153.7	25.3	84.8	4.1
SELECT SEED 9122			153.2	24.2	91.9	0.0
90-JAC 574			153.1	23.6	93.8	1.0
O'S GOLD SX5291		142.3	152.9	24.4	87.1	0.0
NAPB/MIGRO SPX77	148.9	162.6	152.8	23.5	91.4	0.5
NAPB/MIGRO HPR7	152.0	145.7	152.7	24.2	86.2	9.0
NAPB/MIGRO HP771			152.6	23.0	87.1	2.2
DENNIS DS42	149.2	155.4	152.5	22.0	88.1	0.6
STEWART 7824			151.1	23.2	76.2	1.8
USS AG-CHEM USS1516	139.5	141.9	151.1	23.1	86.7	5.6
SUPER CROST 6762			151.0	24.7	89.5	0.0
USS AG-CHEM USS2020	138.5	142.6	150.1	24.6	84.8	1.7
PAYMASTER 7601		140.9	149.4	21.9	82.9	1.6
MCCURDY 844A	151.6	150.0	149.0	23.0	86.2	3.3
PAYMASTER 8951	130.9	142.8	148.6	23.4	94.3	0.0
SUPER CROST 7801	134.4	140.9	148.5	24.0	88.6	2.1
D&H DH8177		124.5	148.2	24.4	89.5	0.5
O'S GOLD SX5509	145.9	146.8	148.1	25.6	82.4	3.3
GOLDEN AC. T-E 6995A			147.4	21.9	88.6	0.0
LEADER SX722			147.4	23.9	83.3	0.5
PIONEER BRAND 3198			147.4	23.9	91.0	1.0
GOLDEN HARV. H2680		142.0	147.1	25.3	83.8	4.6
GOLDEN HARV. H2686		143.1	147.0	24.2	82.9	1.7
ZIMMERMAN Z25Y			147.0	24.3	91.0	1.6
SELECT SEED 9300	149.8	145.0	146.6	23.8	87.1	1.1
DENNIS DS49			145.9	23.0	92.9	2.5
ZIMMERMAN Z24Y	137.6	142.4	145.6	21.3	91.0	1.1
PIONEER BRAND 3184	137.5	143.2	145.5	23.9	85.7	0.0
FUNK'S 64733		150.9	145.3	25.7	94.8	0.3
DEKALB EX7778			144.9	24.8	81.4	1.2
ADLERS 60X		145.8	144.1	22.0	90.0	1.1
PIONEER BRAND 3320	125.7	125.2	144.0	23.2	84.3	1.0
NORTHROP-KING P498	135.3	143.5	143.7	26.2	81.4	3.0
GOLDEN AC. T-E 6998		135.5	143.6	24.7	82.4	1.9
SELECT SEED 8400	136.8	142.8	143.5	22.4	88.1	0.5
COKE 22	135.8	172.2	143.4	23.5	84.3	0.6
CARGILL 921		141.3	143.4	20.8	85.7	0.5
D&H DH7183			142.3	23.6	81.4	0.0

TABLE 3.—AGRONOMIC INFORMATION PERTAINING TO 1982 TEST LOCATIONS

Location and Cooperator	Soil Type	Fertilizer Lb/A	Herbicide		Insecticide	Planting Dates	Harvest Dates	Comments
			Atrax and Lasso	Eradicane and Bladex				
(1) Murray, KY Joe Pat Carroway	Grenada Silt Loam	N - 155 P ₂ O ₅ - 96 K ₂ O - 96	Atrax and Lasso		Furadan	April 28	September 22 & 23	Weeds, Insects and Diseases
(2) Princeton, KY Western Kentucky Research and Education Center	Huntington and Lindside Silt Loam	N - 150 P ₂ O ₅ - None K ₂ O - 100	Eradicane and Bladex		Furadan	May 11	October 25 & 26	Insects and Diseases
(3) Henderson, KY James P. Esche Highway 60 East	DeKoven and Makeland Silt Loam	N - 150 P ₂ O ₅ - 100 K ₂ O - 160	Sutan ⁺		None Applied	May 4	October 13	Viruses on Johnsongrass
(4) Sebre, KY J. A. Tapp	Bellnap Silt Loam	N - 150 P ₂ O ₅ - 46 K ₂ O - 60	Aatrex Nine-0 and Dual		Furadan	April 27	September 27 & 28 October 12 & 13	Johnsongrass
(5) Trenton, KY Jere McCuiston	Pembroke Silt Loam	N - 155 P ₂ O ₅ - 92 K ₂ O - 60	Bicep		Furadan and Toxaphene	May 3	October 14 & 15	Johnsongrass
(6) Bardstown, KY Tommy Hart	Pembroke Silt Loam	N - 200 P ₂ O ₅ - 90 K ₂ O - 100	Paraquat and Surfactant and Aatrex		Furadan	April 29	October 6, 7 & 12	Weeds
(7) Frankfort, KY Milbert and Roger Perkins	Huntington Silt Loam	N - 100 P ₂ O ₅ - None K ₂ O - None	Eradicane and Aatrex and Basagran		None Applied	May 14	November 9	Weeds and Viruses
(8) Lexington, KY K.A.E.S. Spindetop Farm	Lanton Silt Loam	N - 150 P ₂ O ₅ - None K ₂ O - 100	Eradicane and Aatrex		Furadan	April 30	September 30 October 1, 4 & 5	Weeds
(9) Quicksand, KY Robinson Substation	Philo Silt Loam	N - 135 P ₂ O ₅ - 72 K ₂ O - 72	Eradicane and Lasso		Furadan	May 5	October 18, 19 & 20	Weeds and Diseases

TABLE 4.—ANNUAL SUMMARY, MURRAY

VARIETY	YIELD	YIELD	YIELD	AVG %	AVG %	AVG %
	BU/AC	BU/AC	BU/AC	MOIST	STAND	LOGGED
	80-82	81-82	1982	1982	1982	1982
YELLOW HYBRIDS						
AGRIGOLD A-6910			103.8	18.6	91.4	11.9
RING AROUND RA1502	146.0	136.4	99.1	18.0	88.1	14.8
PREMIER SX636	145.6	138.5	97.6	18.1	87.1	9.2
DEKALB EX7778			96.5	19.8	82.4	27.5
D&H DM7183			96.3	18.8	79.5	9.9
DENNIS DS42	134.2	122.9	95.7	17.5	90.0	20.9
GOLD TAG ST4430			95.7	19.0	85.2	12.5
COLBERT 345	137.2	130.3	94.6	20.2	91.9	34.4
NAPB/MIGRO HP722			93.5	17.9	87.1	13.4
NORTHROP-KING X6701			93.1	19.1	87.1	8.0
SO. STATES S885			91.2	18.2	83.8	13.6
GOLD TAG GT3020	125.1	116.5	91.1	17.7	78.6	15.5
PREMIER SX639A8			89.7	17.7	86.7	16.5
O'S GOLD S2570			89.6	17.7	90.5	14.3
O'S GOLD SX5291		121.2	88.8	19.6	81.4	46.0
STEWART 7381			88.4	18.8	85.2	13.3
COKE 19A	118.6	122.4	88.2	18.7	88.6	22.8
RD-JAC 674			86.6	17.7	93.3	36.8
SELECT SEED 9122			85.5	19.1	91.9	29.2
COLBERT 315	129.3	130.0	85.4	17.8	90.0	18.7
ZIMMERMAN Z24Y	129.3	121.9	85.3	18.2	88.6	20.3
PRINCETON SX860	117.6	108.9	85.2	18.5	81.9	4.0
SELECT SEED 9300	137.0	126.4	84.3	20.7	92.4	40.2
MCCURDY 8150		119.3	83.9	20.1	90.0	16.5
SELECT SEED 8400	132.1	125.0	83.2	16.9	88.6	5.9
GOLDEN AC. T-E 6995	105.7	106.0	83.2	18.1	82.9	28.6
ADLERS 60X	122.8	117.2	82.9	18.4	84.3	21.2
NAPB/MIGRO HP771			82.4	18.5	91.0	10.9
DEKALB EX7979			82.1	18.8	87.6	36.1
SELECT SEED 8900		125.4	81.5	17.4	91.9	21.9
MCCURDY 844A	126.0	115.8	81.1	19.4	80.0	40.8
FUNK'S G4507A	123.8	117.6	80.9	19.3	83.8	15.0
FUNK'S G4522		115.4	80.4	17.2	75.2	10.2
COKE 19	121.0	106.7	80.4	17.6	81.9	20.1
DENNIS DS49			80.0	18.2	78.1	28.3
COLBERT 340	125.9	127.4	79.7	18.5	86.7	30.4
ASGROW RX777			78.9	17.7	86.7	32.6
D&H DM8177		103.0	78.8	18.0	84.3	18.5
RUFF'S R334A	132.9	129.2	78.6	18.8	80.5	23.1
PAYMASTER 7601		113.2	78.3	17.8	93.3	8.7
SUPER CROST 5762			78.1	20.2	89.0	23.9
RD-JAC 912			76.9	18.9	88.6	26.1
PIONEER BRAND 3198			76.9	17.4	91.0	17.8
STEWART SX77	124.7	112.7	76.8	18.5	85.7	28.2
GOLDEN HARV. H2775A		127.2	76.8	19.8	75.7	34.4
USS AG-CHEM USS1009			76.5	17.3	83.8	13.8
AGRIGOLD A-6612			76.3	18.7	64.3	27.3
SUPER CROST 5438			75.7	18.8	80.0	9.0
SO. STATES S8737			75.4	16.6	90.0	8.5
P.A.G. SX351	120.5	107.1	74.8	16.7	88.6	9.2
USS AG-CHEM USS1516	127.4	115.4	73.9	18.4	71.0	24.4
CARGILL 957	121.9	105.7	73.5	18.5	89.5	6.8
GOLDEN HARV. H2686		110.3	73.1	20.6	72.9	15.4
JACQUES JX227			72.8	18.4	83.3	5.2
ADLERS 60X		114.9	72.4	18.6	86.2	25.4
FUNK'S G4733		122.1	72.4	21.5	86.2	17.8
NORTHROP-KING X6611			72.2	18.3	90.0	30.0
GOLD TAG GT4022	125.9	118.3	71.9	19.4	86.7	53.2
JACQUES JX197			71.6	17.8	73.8	11.5
RECK'S 90X			71.5	18.3	87.6	10.9
STAUFFER S8500			71.2	19.1	89.0	43.8
P.A.G. SX333	124.5	116.0	70.6	16.4	87.6	18.5
RD-JAC 923	134.3	123.4	70.5	20.8	82.4	51.1
SO. STATES S8915	129.2	123.9	70.4	19.3	82.9	37.1
NAPB/MIGRO M-0707	125.3	117.5	70.2	18.7	87.1	16.1

TABLE 8.—(continued)

VARIETY	YIELD	YIELD	YIELD	AVG %	AVG %	AVG %
	BU/AC	BU/AC	BU/AC	MOIST	STAND	LOGGED
	80-82	81-82	1982	1982	1982	1982
YELLOW HYBRIDS						
SO. STATES S8737			147.7	20.7	77.4	0.0
GOLD TAG GT4430			147.6	22.2	84.2	0.0
SCOTT SEED LR220			147.2	20.2	77.4	0.0
GOLDEN AC. T-E 6995	119.7	124.8	146.9	20.2	72.6	0.6
SELECT SEED 5188			146.3	22.1	72.6	0.0
DEKALB EX7979			145.9	24.3	81.2	1.7
RD-JAC 674			143.2	21.6	77.4	0.9
GOLD TAG GT3020	127.5	135.9	141.9	22.7	73.5	0.0
AGRIGOLD A-6910			141.8	23.0	76.5	1.9
RING AROUND RA1502	138.0	147.0	141.1	22.7	71.4	1.2
SUPER CROST 6762			140.6	24.5	81.6	0.5
SELECT SEED 8400	140.4	145.6	140.4	22.0	70.9	0.0
STAUFFER S8500			139.8	22.9	76.9	0.0
JACQUES JX197			139.5	21.6	75.7	0.0
P.A.G. SX333	137.8	138.0	139.3	22.4	72.6	0.0
PIONEER BRAND 3198			139.1	22.7	76.9	6.9
PAYMASTER 8951	141.9	143.3	138.5	23.7	72.6	0.0
COKE 22	132.9	147.2	138.4	23.8	79.9	0.5
ZIMMERMAN Z24Y	128.8	142.9	137.8	21.5	65.0	0.0
PREMIER SX639A8			136.9	22.4	73.5	0.5
TROJAN TYS-115A	122.3	127.5	136.9	22.1	74.8	3.4
SO. STATES S885			135.4	22.7	76.1	0.0
COKE 19A	144.9	147.4	135.0	22.2	82.9	1.0
SUPER CROST 5438			134.9	21.7	72.6	1.7
COLBERT 315	134.6	138.8	133.6	22.9	69.7	1.9
ZIMMERMAN Z25Y			133.4	23.1	72.6	0.0
PIONEER SX636	136.6	142.1	133.2	19.2	70.9	7.6
DENNIS DS42	141.1	140.1	131.4	21.8	68.4	1.6
SO. STATES S8915	142.5	151.1	131.2	23.0	64.5	3.3
PIONEER BRAND 3358			131.2	21.6	71.4	1.0
PIONEER BRAND 3320	125.4	135.1	130.2	22.3	76.9	9.4
NAPB/MIGRO HP722			128.8	22.6	81.2	0.0
USS AG-CHEM USS1009			128.3	20.8	77.4	0.5
SELECT SEED 9122			128.1	22.1	78.6	0.0
COKE 19	128.3	132.2	125.5	22.4	69.7	0.0
O'S GOLD SX5291			125.2	23.3	69.7	1.7
JACQUES JX227			123.2	20.4	64.1	0.7
RUFF'S R334A	126.4	137.8	121.1	22.0	72.2	0.0
D&H DM7183			113.6	23.3	49.6	2.3
NORTHROP-KING X6701			113.2	21.4	70.1	0.9
CARGILL 921		136.6	112.0	21.6	76.1	1.2
P.A.G. SX373	119.6	128.8	101.4	22.5	65.4	3.3
YELLOW AVERAGE	141.1	152.7	153.7	22.6	75.7	1.0
WHITE HYBRIDS						
P.A.G. SX70W			166.0	25.5	88.0	1.3
DEKALB XL3908	133.8	142.1	154.3	25.6	86.8	1.9
SO. STATES S8950W	132.4	149.7	149.9	26.3	78.2	0.5
RING AROUND RA2602W	127.7	150.2	144.2	25.4	86.8	0.0
GOLDEN HARV. H2660W	135.3	153.3	140.8	25.4	70.9	0.0
FUNK'S G4779W			136.7	23.7	79.1	0.0
ZIMMERMAN Z11W	131.5	147.6	135.6	23.7	70.9	0.6
MEACHAM'S MV78	135.7	151.7	130.9	25.7	64.1	0.0
ASGROW RX962W	127.7	138.7	130.1	26.1	79.5	2.0
RING AROUND RA3605W			131.0	24.8	87.6	3.0
ZIMMERMAN Z52W	128.4	148.8	116.7	24.5	65.0	0.0
ZIMMERMAN Z14W	124.2	122.7	107.0	24.3	75.6	1.8
PRINCETON SX910W	127.9	133.5	98.1	25.4	64.5	0.0
MEACHAM'S MV88			90.4	24.8	59.8	4.6
WHITE AVERAGE	130.5	142.7	130.4	25.1	75.5	1.1
GRAND AVERAGE	139.3	151.3	151.0	22.9	75.7	1.0
LSD*			28.6	1.3	10.4	2.6
C.V.			18.0	5.3	13.1	244.1

TABLE 8.—ANNUAL SUMMARY, BARDSTOWN

VARIETY	YIELD	YIELD	YIELD	AVG % AVG %TOTAL %		
	BU/AC 80-82	BU/AC 81-82	BU/AC 1982	MOIST 1982	STAND 1982	LODGED 1982
YELLOW HYBRIDS						
SCOTT SEED LR880		182.5	202.2	23.1	85.9	0.5
MCCURDY 8150		178.9	195.4	23.8	85.9	0.0
P.A.G. SX351	152.1	169.3	190.8	22.0	81.6	0.0
CAMPBELL C960			190.7	22.5	87.2	0.5
ADLERS 88X	158.2	176.9	189.0	23.3	81.2	0.6
SELECT SEED 9300	163.7	178.6	186.3	23.6	77.4	1.0
VORIS SEEDS V2641		167.2	185.3	22.5	73.5	4.4
FUNK'S G4522		147.5	182.6	22.1	82.9	0.0
GOLD TAG GT4022	137.7	158.2	179.7	25.3	86.3	1.0
VORIS SEEDS V2631			179.4	23.6	90.6	0.0
RING AROUND RA1604	156.5	172.3	178.6	23.3	76.1	2.1
BO-JAC 912			177.6	22.3	81.6	0.0
AGRIGOLD A-6900	153.9	167.8	176.5	23.7	73.1	3.0
SUPER CROST 7801	145.9	169.3	175.3	23.3	78.2	0.7
GOLDEN HARV. H2686		155.2	174.8	24.7	81.2	0.0
USS AG-CHEM USS1516	146.2	155.6	174.0	23.3	83.3	0.9
STAUFFER S8818			173.9	23.1	76.1	4.0
D&H DH8177		127.6	172.9	22.4	91.0	0.0
ADLERS 30X	149.4	153.8	172.3	21.3	81.6	0.5
NAPB/MIGRO HP771			171.7	21.7	70.9	0.6
NORTHRUP-KING PX79			171.5	21.6	79.9	0.0
ASGRON RX777			171.4	23.0	83.8	0.0
DEKALB XL71	156.1	165.5	170.5	23.4	85.0	0.0
PRINCETON SX870	136.1	152.2	170.3	24.6	71.8	0.7
NORTHRUP-KING PX95	148.5	167.2	169.2	24.0	80.8	4.4
FUNK'S G4733		154.5	169.2	24.9	82.9	0.0
COKER 21		168.9	168.9	23.8	68.4	0.6
DEKALB EX7778			168.1	22.1	76.5	3.0
LEADER SX722			167.9	21.3	66.2	0.0
JACQUES 8220			167.7	24.4	83.8	0.0
NORTHRUP-KING X5611			166.9	20.9	85.5	0.5
AGRIGOLD A-6612			166.6	23.4	73.5	0.0
BECK'S 90X			164.9	23.5	83.3	0.0
OENNI8 DS49			164.2	22.0	81.6	0.0
PRINCETON SX860	134.8	145.8	163.7	23.7	76.1	0.0
SUPER CROST 6101	145.8	151.8	162.5	21.2	79.5	0.0
STEWART 6973	146.8	162.9	162.2	23.1	75.6	0.0
NAPB/MIGPRO SPX77	145.0	162.1	161.4	23.6	80.8	0.0
GOLDEN HARV. H2680		165.4	161.3	23.5	66.7	0.0
D&H DH9113	153.2	164.7	160.9	23.9	75.2	0.5
PAYMASTER 7601		152.3	160.7	22.0	67.1	0.0
PIONEER BRAND 3184	132.8	147.8	160.0	23.5	73.9	0.0
COLBERT 345	137.7	159.6	159.4	21.9	70.5	1.6
STEWART 7381			159.2	23.6	70.9	0.9
USS AG-CHEM USS2020	140.7	152.2	158.8	23.8	76.9	1.6
FUNK'S G4507A	136.2	143.0	158.6	21.3	90.6	0.9
JACQUES JX247	151.8	164.7	157.8	22.9	76.1	0.0
BO-JAC 923	144.1	152.7	157.4	23.1	65.8	1.2
CARGILL 967	140.3	158.4	156.1	20.9	72.2	7.0
STEWART 7824			155.9	23.5	76.5	0.0
TRDJAN T-1230	149.6	155.4	155.7	22.9	72.7	1.2
O'S GOLD 2570			155.3	22.2	82.5	1.1
STEWART SX77	139.4	151.5	154.7	22.8	70.5	0.0
MCCURDY 844A	140.9	146.9	154.7	24.1	60.7	0.0
GOLDEN HARV. H2775A		162.9	154.4	24.3	73.1	0.0
NAPB/MIGRO HP555			152.8	22.7	73.1	0.0
ADLERS 60X		146.2	151.9	21.8	73.9	1.1
O'S GOLD SX5509	153.1	165.1	151.5	22.4	68.8	0.7
COLBERT 340	139.7	142.7	151.5	21.3	70.5	2.4
NAPB/MIGRO M-0707	139.1	144.8	150.9	24.1	75.6	0.7
GOLDEN AC. T-E 6995A			150.8	21.5	82.1	0.5
GOLDEN AC. T-E 6998		164.4	149.9	23.6	60.7	0.6
SELECT SEED 8900		147.6	149.1	21.6	84.2	0.5
NAPB/MIGRO HP87	150.0	157.3	148.3	23.4	65.8	0.7
AGRIGOLD A-6810			148.1	21.4	78.6	0.0

TABLE 4.—(continued)

VARIETY	YIELD	YIELD	YIELD	AVG % AVG %TOTAL %		
	BU/AC 80-82	BU/AC 81-82	BU/AC 1982	MOIST 1982	STAND 1982	LODGED 1982
YELLOW HYBRIDS						
TRDJAN TXS-115A	123.6	114.3	69.8	17.0	81.9	7.3
O&H DH9113	121.0	113.4	69.7	20.1	87.6	37.5
CAMPBELL C960			69.5	18.8	80.0	29.4
P.A.G. SX373	130.9	124.5	69.5	19.1	84.3	42.8
STAUFFER S8818			69.2	18.7	87.1	50.2
O'S GOLD SX5509	135.3	118.3	68.6	19.1	81.9	22.5
NORTHRUP-KING PX95	140.7	130.5	68.5	19.0	86.7	24.5
NAPB/MIGRO HP555			67.7	19.0	88.1	41.1
GOLDEN AC. T-E 6998		117.6	67.4	20.8	80.5	26.4
PIONEER BRAND 3184	115.5	102.7	65.6	19.4	81.9	18.3
PIONEER BRAND 3320	120.9	106.3	64.9	18.0	92.9	10.7
AGRIGOLD A-6810			64.9	18.6	82.9	50.4
RING AROUND RA1604	122.3	107.7	64.3	18.6	85.7	48.8
SCOTT SEED LR220			64.1	17.4	88.1	12.2
SELECT SEED 5188			63.1	18.1	83.3	18.9
ADLERS 88X	121.8	101.2	62.5	19.7	89.5	18.6
ZIMMERMAN Z25Y			62.3	19.4	90.0	26.2
STEWART 7824			62.1	19.3	76.7	48.9
GOLDEN HARV. H2680		114.1	62.0	20.3	91.9	36.8
COKER 22	121.3	105.1	61.1	17.9	85.2	38.8
CARGILL 921		106.9	61.0	17.0	78.1	34.1
GOLDEN AC. T-E 6995A			60.7	18.0	79.5	14.8
NORTHRUP-KING PX79			60.6	16.7	80.5	14.1
SUPER CROST 6101	130.6	118.3	60.5	17.4	83.8	27.8
AGRIGOLD A-6900	132.4	117.7	60.5	18.7	88.1	53.4
JACQUES 8220			60.2	19.3	83.8	53.6
DEKALB XL71	118.7	112.8	59.2	18.9	84.8	49.2
VORIS SEEDS V2641		106.5	58.4	19.5	85.2	17.3
PAYMASTER A951	126.1	117.3	58.2	19.0	83.3	20.0
NAPB/MIGRO SPX77	118.9	108.8	56.0	19.2	88.1	40.8
TRDJAN T-1230	124.1	107.4	55.9	19.0	83.8	50.9
VORIS SEEDS V2631			55.8	17.4	82.4	44.3
COKER 21		107.2	53.8	19.7	82.9	67.2
USS AG-CHEM USS2020	124.2	105.9	53.6	18.0	82.9	61.8
STEWART 6973	115.5	101.2	53.5	21.1	83.8	37.6
PRINCETON SX870	119.5	98.6	53.2	19.2	88.1	50.9
NAPB/MIGRO HP87	124.3	109.7	51.4	19.1	84.3	74.6
PIONEER BRAND 3358			50.2	17.1	89.0	7.2
SCOTT SEED LR880		107.8	50.1	21.0	81.4	46.6
JACQUES JX247	123.2	110.3	48.4	19.1	79.0	59.4
LEADER SX722			45.0	19.6	86.2	62.0
SUPER CROST 7801	121.0	113.3	43.7	18.5	81.0	89.4
YELLOW AVERAGE	126.0	115.6	73.4	18.7	84.9	27.8
WHITE HYBRIDS						
SO. STATES SS950W	139.2	131.4	75.5	19.6	89.5	26.8
MEACHAM'S MV78	128.3	120.2	74.4	20.8	88.6	23.6
ZIMMERMAN Z14W	124.8	115.9	69.1	20.0	86.7	21.5
GOLDEN HARV. H2660W	112.8	104.7	67.7	20.3	85.2	31.2
FUNK'S G4779W			65.6	19.7	85.7	16.1
PRINCETON SX910W	127.5	113.9	64.3	19.9	77.6	28.3
ASGRON RX962W	124.8	110.9	61.4	21.7	90.5	26.4
MEACHAM'S MV88			59.4	18.5	71.9	13.7
DEKALB XL3908	117.5	107.7	59.4	19.2	88.1	25.4
RING AROUND RA2602W	113.5	106.1	56.0	19.0	82.4	29.2
P.A.G. SX70W			53.8	20.0	88.1	81.5
ZIMMERMAN Z11W	116.6	105.5	53.5	19.7	91.0	21.2
ZIMMERMAN Z52W	113.5	102.9	53.2	19.7	87.1	15.8
RING AROUND RA3605W		106.6	50.8	20.9	82.9	28.0
WHITE AVERAGE	121.8	111.4	61.7	19.9	83.9	27.8
GRAND AVERAGE	125.7	115.0	72.0	18.8	84.8	27.8
LSD*			17.3	1.2	6.8	15.9
C.V.			22.9	5.9	7.6	54.4

TABLE 5.—ANNUAL SUMMARY, PRINCETON

VARIETY	YIELD BU/AC 80-82	YIELD BU/AC 81-82	YIELD BU/AC 1982	AVG % MOIST 1982	AVG % STAND 1982	TOTAL % LODGED 1982
YELLOW HYBRIDS						
SUPER CROST 6762			166.8	16.6	89.0	2.7
DEKALB EX7979			165.3	17.5	89.0	8.9
O'S GOLD 2570			161.3	17.6	82.9	2.9
SELECT SEED 8900		143.3	160.0	17.5	90.5	5.7
NAPB/MIGRO SPX77	122.2	128.8	159.1	17.9	85.2	7.7
PAYMASTER 8951	123.1	133.5	159.1	16.6	92.4	3.1
DENNIS DS42	128.5	133.7	157.7	17.6	86.7	3.4
NAPB/MIGRO HP555			156.2	17.6	88.6	4.3
NORTHROP-KING X5611			155.1	16.8	90.0	2.7
SO. STATES 88915	112.0	129.4	154.5	17.8	89.0	11.7
COLBERT 345	109.2	124.0	152.1	18.3	89.5	10.1
AGRIGOLD A-6612			151.5	18.2	85.2	8.8
SUPER CROST 5338			150.3	17.4	85.7	2.8
SELECT SEED 9300	122.0	145.4	149.4	17.5	91.0	6.4
FUNK'S G4507A	110.8	109.7	149.0	17.5	87.1	4.5
AGRIGOLD A-5810			148.0	17.9	83.8	5.8
LEADER SX722			147.9	17.2	82.4	5.2
GOLDEN AC. T-E 6995A			147.3	15.6	85.7	10.5
PREMIER SX6394B			146.9	17.2	84.3	1.7
NAPB/MIGRO HP771			145.7	17.9	77.1	3.0
VORIS SEEDS V2641		123.5	145.5	18.1	84.3	9.6
CARGILL 967	119.0	118.7	145.1	17.1	90.0	4.3
ZIMMERMAN Z24Y	120.8	127.3	145.1	16.5	86.2	3.3
DEKALB EX7778			144.5	17.1	79.0	3.0
COLBERT 340	121.6	135.3	143.9	16.9	86.2	2.8
STEWART SX77	123.1	116.5	143.7	17.7	86.2	6.1
COXER 19A	115.0	118.1	143.6	17.5	84.8	2.2
COLBERT 315	112.0	115.8	142.9	17.0	91.0	6.8
SUPER CROST 6101	116.3	125.6	142.8	17.7	79.0	5.8
NAPB/MIGRO HP87	114.1	122.3	142.5	17.2	85.8	14.6
NORTHROP-KING PX95	111.3	126.8	142.4	17.6	81.9	23.7
GOLD TAG GT3020	105.4	118.8	142.3	16.7	86.7	4.4
RING AROUND RA1502	112.3	130.9	142.3	17.9	90.0	4.2
AGRIGOLD A-6910			142.0	17.7	81.0	14.4
JACQUES JX247	114.6	119.4	141.2	17.2	85.2	16.6
SELECT SEED 9122			141.1	17.7	85.7	8.3
GOLDEN HARV. H2680		120.0	141.0	17.3	84.8	14.3
ASGRON RX777			140.2	16.8	83.3	21.7
ADLERS 30X	109.5	122.4	139.9	16.3	83.3	3.0
SELECT SEED 5188			139.3	16.8	87.6	2.8
GOLDEN HARV. H2686		126.9	139.3	18.0	76.7	6.1
O'S GOLD SX5291		128.2	139.3	17.2	74.8	1.3
JACQUES 8220			138.8	18.3	90.0	8.7
TROJAN T-1230	116.6	120.2	138.8	16.6	79.0	8.5
MCCURDY 84AA	120.4	123.9	138.6	17.3	83.3	4.7
PIONEER BRAND 3198			138.2	16.7	88.1	9.5
P.A.G. SX351	109.1	123.7	138.0	16.0	90.0	7.9
NAPB/MIGRO HP722			137.4	16.7	85.2	2.8
FUNK'S G4522		118.5	137.1	17.2	81.9	6.4
NORTHROP-KING X6701			137.0	17.2	88.6	1.6
GOLDEN AC. T-E 6995	114.1	122.7	134.9	16.9	85.7	5.0
TROJAN TXS-115A	112.6	119.8	134.9	16.3	86.7	6.6
PIONEER BRAND 3320	102.8	106.9	134.8	17.3	89.5	6.9
USS AG-CHEM USS1516	123.9	132.6	133.1	16.7	81.0	29.5
RING AROUND RA1604	120.9	125.1	132.9	17.4	88.1	11.4
RUFF'S R334A	114.6	126.8	132.6	17.7	87.3	4.0
COXER 22	114.4	121.8	132.5	17.8	81.9	5.1
AGRIGOLD A-6900	122.4	120.1	132.4	16.8	79.5	11.4
CAMPBELL C960			131.5	16.5	79.5	3.6
GOLDEN HARV. H2775A		123.3	131.5	17.6	88.1	6.9
D&H DH7183			131.3	17.7	74.8	7.0
STAUFFER S8500			131.3	18.1	87.8	2.3
BECK'S 90X			130.9	16.9	89.5	4.2
D&H DH9113	115.0	130.2	130.7	16.8	83.3	13.1
SELECT SEED 8400	124.3	130.6	130.1	16.7	91.0	3.5

TABLE 7.—(continued)

VARIETY	YIELD BU/AC 80-82	YIELD BU/AC 81-82	YIELD BU/AC 1982	AVG % MOIST 1982	AVG % STAND 1982	TOTAL % LODGED 1982
YELLOW HYBRIDS						
NORTHROP-KING X5611			147.5	21.2	89.5	1.6
ZIMMERMAN Z25Y			147.0	20.8	83.3	0.5
USS AG-CHEM USS1516	128.9	143.0	146.9	19.6	84.8	11.2
DEKALB EX7778			146.8	19.6	81.4	3.9
BECK'S 90X			146.6	21.3	85.2	0.0
COLBERT 345	123.5	156.8	146.6	21.8	87.1	2.1
ADLERS 30X	125.3	142.9	146.2	18.6	83.3	0.5
PRINCETON SX860	122.5	137.7	146.0	19.6	79.0	2.4
P.A.G. SX373	129.3	156.0	145.7	22.2	79.0	1.2
O'S GOLD SX5291			148.7	14.5	22.9	75.7
PAYMASTER 7601			148.0	14.5	21.0	85.2
FUNK'S G4733			146.0	14.5	20.9	90.5
TROJAN T-1230	136.1	158.5	145.1	21.2	82.9	5.8
GOLD TAG GT4022	130.2	149.9	144.8	20.5	83.8	5.7
D&H DH9113	133.8	152.6	144.6	21.8	87.1	3.2
TROJAN TXS-115A	125.5	144.2	143.8	19.5	85.7	4.6
LEADER SX722			143.2	21.1	82.9	2.2
GOLD TAG GT3020	116.0	135.8	142.3	19.8	81.0	2.5
BO-JAC 67A			141.8	20.4	87.1	0.6
NAPB/MIGRO SPX77	122.4	138.1	141.4	21.8	85.7	11.8
STAUFFER S8500			141.3	19.9	80.5	2.3
ADLERS 88X	135.8	156.7	141.2	21.4	84.8	2.3
USS AG-CHEM USS2020	133.1	157.7	140.9	21.8	85.2	4.3
ASGRON RX777			140.3	19.7	85.7	2.8
NAPB/MIGRO HP555			140.0	20.3	83.3	1.2
COXER 22	123.6	149.6	139.0	20.8	77.6	6.8
USS AG-CHEM USS1009			138.8	19.7	78.6	4.2
NAPB/MIGRO HP771			137.6	20.8	82.9	1.7
BO-JAC 923	137.7	166.5	135.3	21.6	91.0	8.3
COXER 21			149.2	13.4	22.6	80.5
SELECT SEED 9300	128.2	144.1	133.7	21.2	81.4	10.2
SO. STATES S8885			132.9	21.0	88.1	2.7
MCCURDY 84AA	121.2	140.3	132.9	22.2	86.7	2.7
GOLD TAG GT4430			132.2	20.3	83.3	2.3
GOLDEN AC. T-E 6995A			130.9	19.4	81.4	8.8
CARGILL 921		132.2	129.6	19.3	82.9	4.6
SO. STATES S8915	107.9	130.8	129.3	21.6	80.0	12.4
STEWART 7381			128.9	20.4	77.1	2.5
VORIS SEEDS V2631			128.3	20.7	84.3	1.7
DENNIS DS49			125.3	20.5	82.4	2.3
NORTHROP-KING PX95	123.4	147.5	125.2	21.0	85.7	5.3
ADLERS 60X		136.8	123.4	20.2	71.9	3.6
YELLOW AVERAGE	130.3	153.5	151.0	20.7	83.7	4.2
WHITE HYBRIDS						
SO. STATES S8950W	122.8	147.5	155.5	21.7	90.5	6.3
FUNK'S G4779W			145.4	21.6	80.5	1.3
RING AROUND RA2602W	114.8	141.8	144.8	20.9	78.6	3.9
PRINCETON SX910W	120.3	145.8	143.7	21.4	75.2	4.4
ZIMMERMAN Z52W	114.4	148.5	136.2	21.5	84.3	4.0
P.A.G. SX70W			136.2	22.1	90.5	21.7
RING AROUND RA3605W		138.2	133.8	21.8	82.9	3.7
DEKALB XL3908	122.0	148.9	133.5	21.0	84.3	7.3
ZIMMERMAN Z14W	121.5	148.7	130.2	21.5	84.3	5.5
ASGRON RX962W	113.4	141.4	130.2	21.2	88.1	9.2
MEACHAM'S MV78	116.3	141.0	125.7	21.0	65.2	6.1
GOLDEN HARV. H2660W	104.6	127.7	123.0	21.2	70.0	3.5
ZIMMERMAN Z11W	108.7	133.8	123.0	21.5	86.2	5.7
MEACHAM'S MV88			115.5	21.4	68.6	1.3
WHITE AVERAGE	115.9	142.1	134.1	21.4	80.6	6.0
GRAND AVERAGE	127.8	151.9	149.0	20.8	83.3	4.4
LSD*				19.2	0.8	5.6
C.V.				12.3	3.7	6.4
						126.1

TABLE 7.—ANNUAL SUMMARY, ELKTON

VARIETY	YIELD BU/AC 80-82	YIELD BU/AC 81-82	YIELD BU/AC 1982	AVG % MOIST 1982	AVG % STAND 1982	AVG % TOTAL % LODGED 1982
YELLOW HYBRIDS						
JACQUES JX247	137.7	165.4	179.8	21.1	86.7	7.7
DENNIS DS42	134.3	156.0	177.9	19.8	85.7	5.5
SELECT SEED 5188			176.5	19.8	83.8	2.7
SELECT SEED 8900		169.1	174.5	20.7	83.3	0.6
STEWART SX77	137.8	167.9	170.6	21.0	84.3	1.7
NAPB/MIGRO HP722		169.9	169.9	21.4	95.7	2.5
RING AROUND RA1502	138.4	163.9	169.7	20.3	86.7	9.2
FUNK'S G4522		168.3	168.7	19.9	82.9	6.3
PAYMASTER 8951	144.0	170.8	167.7	21.0	84.3	1.6
MCCURDY 8150		165.2	167.0	20.9	84.8	3.4
PRINCETON SX870	135.8	161.4	165.4	21.5	83.8	1.2
DEKALB XL71	133.0	159.0	164.8	21.7	82.9	2.3
AGRIGOLD A-6900	141.8	166.4	164.5	21.3	85.7	1.7
GOLDEN AC. T-E 6995	117.0	142.0	164.4	21.3	81.0	2.4
NORTHROP-KING X6701		163.9	163.9	21.1	85.7	4.3
PREMIER SX639A		163.9	163.9	19.9	85.7	1.1
COLBERT 340	132.1	163.6	163.3	21.3	86.2	5.4
O'S GOLD 2570		162.9	162.9	20.5	86.7	6.1
SELECT SEED 8400	130.4	159.6	162.6	20.0	93.3	6.8
PIONEER BRAND 3320	120.9	150.8	162.5	20.3	90.5	8.0
COLBERT 315	128.2	153.2	162.4	20.3	88.1	2.7
NORTHROP-KING PX79		162.2	162.2	19.7	80.0	1.8
STAUFFER 88818		161.6	161.6	22.0	84.8	5.7
NAPB/MIGRO M-0707	137.1	168.5	161.1	20.9	90.0	1.6
SUPER CROST 5438		160.5	160.5	20.2	85.2	4.5
NAPB/MIGRO HP87	137.9	160.2	160.4	20.8	85.2	8.1
CARGILL 967	133.8	155.3	158.2	20.2	85.7	3.8
DEKALB EX7979		157.8	157.8	20.8	82.4	2.9
SUPER CROST 6762		157.6	157.6	20.7	88.1	3.8
SCOTT SEED LR220		157.5	157.5	20.0	85.2	3.5
PIONEER BRAND 3198		157.1	157.1	19.5	81.0	6.0
PREMIER SX636	140.0	168.3	157.0	19.6	81.0	0.0
JACQUES JX227		156.5	156.5	19.1	79.5	5.4
GOLDEN HARV. H2775A		152.2	156.0	20.6	79.0	11.0
VORIS SEEDS V2641		162.8	155.9	21.6	82.9	0.5
JACQUES JX197		155.8	155.8	20.1	76.7	8.3
ZIMMERMAN 724Y	141.5	164.0	155.6	20.3	86.7	3.3
D&H DH7183		155.3	155.3	20.0	82.9	0.0
GOLDEN AC. T-E 6998		162.5	155.1	20.9	83.8	3.8
P.A.G. SX351	134.4	155.7	154.7	20.2	88.6	2.2
SO. STATES SS737		154.6	154.6	20.0	85.2	2.8
RING AROUND RA1604	124.1	151.6	150.3	21.7	80.5	3.0
SUPER CROST 7801	143.5	166.4	154.2	21.4	77.1	1.9
FUNK'S G4507A	125.5	148.1	154.1	20.1	84.8	3.0
STEWART 7824		153.7	153.7	20.9	79.0	4.0
GOLDEN HARV. H2686		154.6	153.3	21.6	81.4	4.5
JACQUES 8220		153.2	153.2	22.1	77.6	4.2
AGRIGOLD A-6910		153.1	153.1	21.4	85.2	5.5
COKER 19	125.3	150.1	153.1	21.1	81.0	2.9
RUFF'S R334A	127.7	157.1	152.4	20.8	84.8	1.7
P.A.G. SX333	123.0	140.9	152.2	19.9	90.0	7.0
GOLDEN HARV. H2680		161.0	157.0	21.7	86.2	20.8
STEWART 6973	125.7	154.1	151.7	21.1	76.7	9.4
O'S GOLD SX5509	138.0	157.2	151.6	21.7	74.8	4.6
AGRIGOLD A-6810		151.6	151.6	20.7	83.8	6.6
BO-JAC 912		151.3	151.3	20.6	82.9	1.8
D&H DH8177		120.6	151.1	20.8	88.1	1.7
COKER 19A	122.7	146.3	150.8	20.9	81.4	5.7
CAMPBELL C960		150.8	150.8	20.3	84.8	10.5
PIONEER BRAND 3358		150.7	150.7	20.5	86.7	0.6
PIONEER BRAND 3184	133.2	161.4	150.6	21.7	83.3	0.6
SELECT SEED 9122		149.8	149.8	20.2	85.2	3.8
SUPER CROST 6101	134.5	156.7	148.7	19.4	81.9	0.6
SCOTT SEED LR880		152.8	147.9	21.6	81.9	3.5
AGRIGOLD A-6612		147.5	147.5	21.5	76.2	3.5

TABLE 5.—(continued)

VARIETY	YIELD BU/AC 80-82	YIELD BU/AC 81-82	YIELD BU/AC 1982	AVG % MOIST 1982	AVG % STAND 1982	AVG % TOTAL % LODGED 1982
YELLOW HYBRIDS						
PIONEER BRAND 3358			128.5	16.8	85.2	3.1
ZIMMERMAN Z25Y			127.7	18.0	82.9	5.8
PRINCETON SX860	98.5	116.1	127.2	17.1	79.5	4.2
SCOTT SEED LR880		121.8	126.5	16.7	80.0	9.5
P.A.G. SX373	105.4	111.3	126.5	18.1	83.8	2.8
JACQUES JX227			126.4	16.8	76.2	3.4
PRINCETON SX670	110.1	118.7	126.2	17.8	81.9	6.2
COKER 19	97.5	103.1	126.1	16.8	82.9	2.2
D&H DH8177		114.8	125.1	17.6	74.8	5.2
DEKALB XL71	107.6	103.4	125.3	17.9	86.2	4.5
PIONEER BRAND 3184	115.5	119.9	125.3	18.2	85.7	5.6
GOLD TAG GT4022	113.4	110.5	125.1	17.6	86.2	8.9
PAYMASTER 7601		113.8	124.9	17.1	81.9	6.4
USS AG-CHEM USS1009			124.5	17.2	78.6	4.9
P.A.G. SX333	108.5	114.9	124.4	16.8	83.3	7.9
NAPB/MIGRO M-0707	120.2	125.4	124.3	16.9	88.1	2.3
COKER 21		117.5	123.8	17.3	91.0	19.9
90-JAC 923	110.7	119.8	123.5	17.6	86.2	7.8
JACQUES JX197			123.4	16.9	78.6	6.1
NORTHROP-KING PX79			123.1	16.5	86.2	5.6
VORIS SEEDS V2631			122.5	17.1	85.2	5.0
GOLDEN AC. T-E 6998		120.8	122.4	17.4	78.1	7.0
MCCURDY 8150		118.3	121.7	18.8	83.3	3.7
STEWART 6973	103.3	115.4	121.6	17.8	78.6	10.2
O'S GOLD SX5509	110.3	113.5	121.1	18.1	75.7	7.4
FUNK'S G4733		105.0	120.4	17.7	89.0	1.5
STAUFFER 88818			119.9	16.8	80.5	13.1
USS AG-CHEM USS2020	106.7	109.4	119.3	17.9	86.7	14.8
PREMIER SX636	111.7	118.4	119.0	15.1	83.8	5.7
STEWART 7824			118.5	18.0	74.3	6.4
CARGILL 921		106.0	118.3	16.7	85.2	8.4
DENNIS DS49			118.0	17.0	76.7	3.6
ADLERS 88X	105.2	106.5	117.3	16.4	76.7	12.6
BO-JAC 912			117.2	17.9	77.1	3.0
SUPER CROST 7801	106.6	116.3	115.7	17.0	73.8	7.7
SO. STATES SS885			115.1	16.7	82.9	6.9
SCOTT SEED LR220			115.0	16.0	84.8	3.9
GOLD TAG GT4430			113.6	17.5	78.1	7.4
SO. STATES SS737			112.2	16.7	80.0	3.5
BO-JAC 674		94.6	112.1	17.4	71.0	3.0
ADLERS 60X			106.5	17.6	83.8	5.6
STEWART 7381			101.4	16.0	73.3	5.7
YELLOW AVERAGE	113.7	120.4	134.4	17.2	83.7	6.8
WHITE HYBRIDS						
SO. STATES SS950W	114.1	120.2	133.2	18.5	89.0	17.0
RING AROUND RA2602W	98.1	115.9	131.7	18.4	81.9	15.0
DEKALB XL390B	95.2	107.2	124.9	17.8	83.8	6.9
ZIMMERMAN Z11W	110.0	113.4	118.7	17.8	77.6	17.1
ZIMMERMAN Z52W	94.8	106.6	117.2	18.4	80.0	24.3
RING AROUND RA3605W		118.3	114.8	18.5	79.5	22.0
PRINCETON SX910W	96.0	101.3	108.3	17.4	70.5	13.2
MEACHAM'S 4V88			104.8	19.0	61.9	10.5
FUNK'S G4779W			104.2	19.7	80.5	6.3
ASGROW RX962W	95.8	104.9	103.1	19.4	79.0	17.5
P.A.G. SX70W			101.7	18.7	82.9	39.4
ZIMMERMAN Z14W	93.7	91.6	101.4	16.8	90.5	9.6
GOLDEN HARV. H2660W	96.8	97.3	95.9	19.0	74.8	18.6
MEACHAM'S 4V78	85.4	84.6	81.3	17.8	57.6	19.0
WHITE AVERAGE	98.0	105.6	110.1	18.4	77.8	16.9
GRAND AVERAGE	111.0	118.3	131.6	17.4	83.0	8.0
LSD*			20.0	1.0	6.6	5.7
C.V.			14.4	5.3	7.6	67.4

TABLE 6.—ANNUAL SUMMARY, SEBREE

VARIETY	YIELD BU/AC 80-82	YIELD BU/AC 81-82	YIELD BU/AC 1982	AVG % MOIST 1982	AVG % STAND 1982	TOTAL % LOGGED 1982
YELLOW HYBRIDS						
STAUFFER 88818			217.5	21.8	90.0	0.0
MCCURDY 844A	168.2	177.5	212.1	21.3	82.4	0.0
NAPB/MIGRO HP87	165.1	165.4	210.1	22.6	91.9	0.5
LEADER SX722			208.4	22.2	91.4	0.0
SCOTT SEED LR880		169.3	209.0	21.6	85.2	0.0
GOLD TAG GT4022	169.8	175.6	207.0	22.3	90.0	0.0
STEWART 6973	164.1	168.0	205.5	22.4	78.6	0.0
AGRIGOLD A-6900	165.8	173.7	206.2	21.4	83.3	0.0
P.A.G. SX351	159.7	170.7	206.0	20.7	89.0	0.0
COLBERT 345	175.3	188.3	205.0	21.1	85.7	0.0
RING AROUND RA1604	150.4	168.1	203.9	20.9	81.4	0.6
COLBERT 315	158.0	169.3	203.6	20.4	86.7	0.0
ADLERS 88X	162.2	171.1	203.1	22.3	83.8	0.6
MCCUPDY 8150		178.8	202.5	22.8	91.0	0.0
80-JAC 923	168.9	170.9	202.2	21.9	87.6	0.0
USS AG-CHEM USS2020	158.7	169.2	199.7	21.5	77.1	0.7
DEKALB EX7979			199.5	21.0	79.5	0.6
VORIS SEEDS V2641		171.6	196.6	21.6	78.6	0.0
CAMPBELL C960			195.3	22.3	85.7	0.0
JACQUES JX247	166.6	177.6	195.3	23.0	82.4	1.3
SELECT SEED 9300	162.6	167.4	195.2	21.4	83.3	0.0
GOLDEN HARV. H2686		170.4	195.0	22.6	89.5	0.0
NAPB/MIGRO SPX77	154.3	166.4	194.2	21.8	88.1	0.0
PRINCETON SX870	163.0	168.0	192.6	21.4	79.0	0.0
COKER 21		164.8	192.3	23.0	83.8	0.6
80-JAC 912			191.5	21.4	88.1	0.5
DEKALB XL71	149.2	168.3	191.4	22.2	81.0	0.0
PREMIER SX639AB			191.3	21.2	88.1	0.0
NAPB/MIGRO HP555			190.3	21.5	85.2	0.0
SUPER CROST 7801	148.8	163.5	189.5	21.4	77.6	0.0
O'S GOLD SX5509	150.9	162.7	189.0	22.4	84.8	0.0
CARGILL 967	144.7	155.6	187.4	20.0	89.5	0.0
STAUFFER 88500			187.3	20.1	90.5	0.0
SELECT SEED 9122			186.4	19.7	89.5	0.0
NAPB/MIGRO M-0707	158.7	158.4	186.1	20.9	80.0	0.0
NAPB/MIGRO HP771			185.6	21.9	86.2	0.5
GOLDEN HARV. H2680		160.3	184.8	22.0	79.0	0.0
TROJAN TXS-115A	149.3	155.6	184.0	20.3	82.9	0.0
TROJAN T-1230	158.7	158.0	183.6	22.0	89.0	0.0
D&H DH9113	157.9	156.7	182.9	22.5	77.1	0.6
AGRIGOLD A-6910			182.0	20.1	84.8	0.0
DENNIS DS42	153.5	161.0	182.0	19.7	87.4	1.1
COLBERT 340	149.0	164.1	180.6	21.9	80.5	0.0
D&H DH7183			180.5	20.8	74.8	0.0
BECK'S 90X			180.4	20.3	80.5	0.0
SELECT SEED 5188			179.2	20.5	88.1	0.0
SUPER CROST 6101	153.6	157.1	179.1	20.9	81.9	0.0
NORTHROP-KING PX79			178.6	20.6	86.7	0.0
RUFF'S R334A	150.0	157.4	178.0	20.1	79.5	0.0
SELECT SEED 8400	153.3	158.6	177.9	20.3	84.3	0.0
SUPER CROST 5438			177.6	21.2	84.8	0.6
SELECT SEED 8900		162.5	177.4	20.9	85.7	0.0
P.A.G. SX373	135.0	142.3	177.2	22.7	75.7	0.0
P.A.G. SX333	146.9	153.7	177.0	20.5	82.9	0.6
STEWART 7381			176.9	21.3	76.7	1.3
USS AG-CHEM USS1516	147.4	153.3	175.9	21.5	82.9	0.0
PAYMASTER 8951	160.9	166.4	175.5	22.7	86.7	0.0
COKER 22	147.1	149.1	175.3	21.0	83.3	0.0
NORTHROP-KING PX95	160.1	175.9	175.2	22.5	80.0	1.3
AGRIGOLD A-6810			175.1	21.8	83.8	0.0
JACQUES JX227			174.9	20.0	83.3	0.0
GOLDEN AC. T-E 6995	148.3	152.0	173.6	20.4	88.6	0.0
PIONEER BRAND 3198			172.5	20.9	85.2	0.6
ADLERS 30X	140.6	146.9	171.9	19.1	90.5	0.6
SO. STATES SS915	149.8	155.3	171.7	21.3	82.4	0.0

TABLE 6.—(continued)

VARIETY	YIELD BU/AC 80-82	YIELD BU/AC 81-82	YIELD BU/AC 1982	AVG % MOIST 1982	AVG % STAND 1982	TOTAL % LOGGED 1982	
YELLOW HYBRIDS							
GOLDEN AC. T-E 6998		164.5	171.6	20.7	81.0	0.0	
O'S GOLD 2570			171.4	20.4	86.2	0.5	
SUPER CROST 6762			171.1	22.3	79.0	0.0	
PIONEER BRAND 3184	141.5	150.4	170.8	20.4	81.0	0.0	
SO. STATES SS885			170.8	20.5	81.9	0.6	
JACQUES 8220			170.3	22.9	82.4	0.5	
SCOTT SEED LR220			170.2	19.3	78.1	0.0	
80-JAC 574			170.2	21.4	89.0	0.5	
ZIMMERMAN Z25Y			170.0	22.3	81.4	0.0	
FUNK'S G4522		150.3	169.7	20.6	86.2	0.6	
PIONEER BRAND 3320	148.3	149.0	169.1	20.1	80.5	0.0	
VORIS SEEDS V2631			169.0	21.1	86.2	0.0	
PREMIER SX636	160.6	167.2	168.9	20.2	80.5	0.6	
FUNK'S G4507A	144.5	145.9	168.9	19.4	85.7	0.5	
PIONEER BRAND 3358			168.5	19.1	82.9	0.0	
ZIMMERMAN Z24Y	149.3	154.3	168.1	21.8	86.7	0.0	
NAPB/MIGRO HP722			167.7	21.1	86.7	0.0	
RING AROUND RA1502	155.3	156.6	167.5	21.4	88.1	0.5	
NORTHROP-KING X5611			166.4	20.6	85.2	0.6	
PAYMASTER 7601		143.8	165.0	19.6	78.6	0.0	
O'S GOLD SX5291		141.0	164.6	21.9	76.7	0.6	
NORTHROP-KING X6701			164.5	21.6	80.5	0.0	
DENNIS DS49			163.4	22.0	96.2	0.5	
D&H DH8177		131.7	160.5	20.4	81.9	0.0	
STEWART 7324			160.1	22.2	74.8	2.1	
DEKALB EX7778			159.2	21.1	81.0	1.3	
GOLDEN AC. T-E 6995A			159.1	19.2	76.2	0.0	
STEWART SX77	148.9	148.8	158.8	19.6	76.7	0.6	
PRINCETON SX860	141.0	145.2	158.7	20.6	96.7	0.0	
GOLD TAG GT4430			158.2	20.6	81.0	0.0	
GOLD TAG GT3020	140.3	152.2	158.1	21.2	79.0	0.0	
COKER 19A	147.9	151.9	158.0	21.7	82.9	0.0	
COKER 19	139.7	145.0	155.5	19.5	74.8	0.0	
USS AG-CHEM USS1009			153.9	19.7	84.8	0.0	
AGRIGOLD A-6612			153.2	20.9	67.1	0.0	
FUNK'S G4733		153.8	153.0	20.5	88.6	0.0	
ADLERS 60X		143.3	152.9	20.1	79.0	0.0	
CARGILL 921		114.2	149.9	18.6	82.4	0.0	
ASGROW RX777			149.3	20.2	82.9	0.5	
SO. STATES SS737			147.0	20.1	81.9	0.0	
GOLDEN HARV. H2775A		147.8	145.8	22.1	73.8	0.0	
JACQUES JX197			145.8	20.7	66.2	2.4	
YELLOW AVERAGE	154.3	159.3	178.6	21.1	83.2	0.2	
WHITE HYBRIDS							
ASGROW RX962W	155.0	170.6	190.4	23.8	78.6	0.0	
RING AROUND RA2602W	154.4	167.5	188.2	21.8	84.3	0.0	
ZIMMERMAN Z14W	158.4	164.0	187.4	22.8	83.8	0.6	
FUNK'S G4779W			185.6	21.5	77.1	0.0	
SO. STATES SS950W	154.0	164.8	179.8	22.6	80.5	0.0	
ZIMMERMAN Z11W	153.5	164.5	177.9	21.4	75.7	0.0	
ZIMMERMAN Z52W	160.4	173.9	177.7	23.2	80.0	0.0	
DEKALB XL390B	159.1	171.1	177.6	22.6	75.7	0.0	
MEACHAM'S MV78	153.1	159.0	166.3	15.9	59.5	0.0	
GOLDEN HARV. H2660W	147.2	153.5	161.7	23.5	80.0	0.0	
P.A.G. SX70W			160.4	22.1	86.7	0.0	
PRINCETON SX910W	147.6	156.5	156.3	22.4	73.8	0.7	
RING AROUND RA3605W			154.5	15.7	23.2	80.0	0.0
MEACHAM'S MV88			132.5	22.2	59.0	0.0	
WHITE AVERAGE	154.3	163.6	171.3	22.1	76.8	0.1	
GRAND AVERAGE	154.3	159.9	177.7	21.2	82.5	0.2	
LSD*			19.5	1.8	6.9	N.S.	
C.V.			10.4	7.9	8.0	343.0	