



KENTUCKY HYBRID CORN PERFORMANCE TEST - 1983

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1983 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 1983 data are presented for the tests at each 1983 location considered to have reliable data. Several test locations were abandoned in 1983 because of extensive drought. 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 8, 9, and 10) since these are better estimates of a hybrid's relative yield ability than data gathered at one location in one year.

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

TESTING PROCEDURE

SELECTION OF HYBRIDS

The hybrids chosen for testing are those most likely to be available for sale in 1984. Seed of each commercial hybrid (Table 2) was obtained from the sponsoring company.

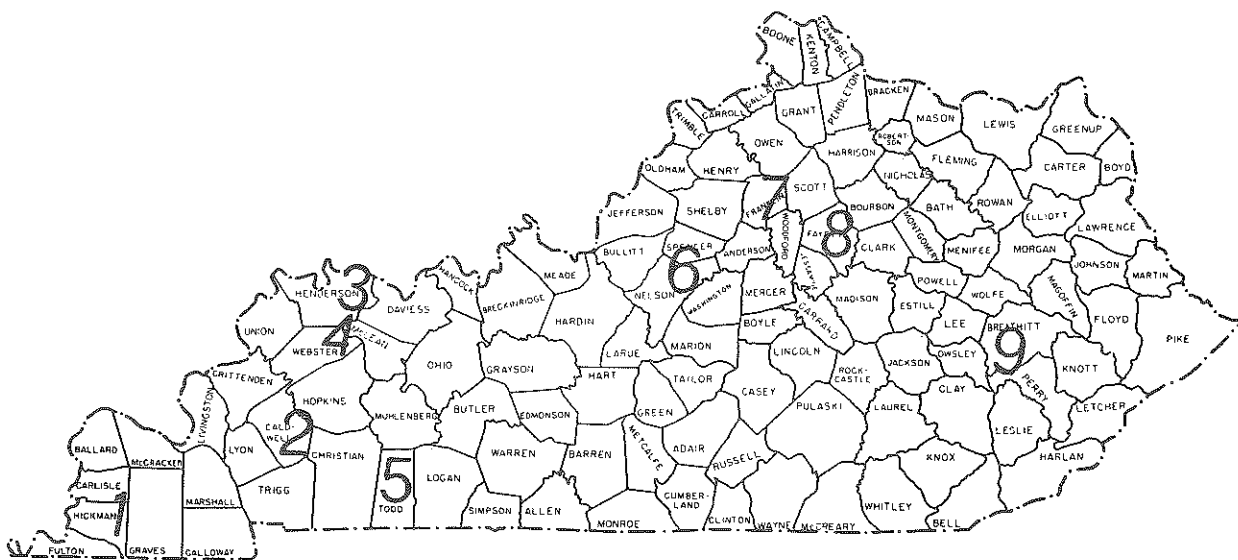
Those hybrids grown in the corn virus tests are indicated in column 2 of Table 2. The hybrid corn companies were asked to nominate those hybrids known to have virus resistance for inclusion in the virus test.

LOCATION OF TESTS

The map below shows the location for each test. The non-virus test sites were selected to represent different agroclimatic 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 Bardstow was prepared by conventional tillage methods.



Locations of the 1983 Kentucky Hybrid Corn Performance Test

Fertilizer was applied as indicated by soil tests. The test at Bardstown was planted in a soybean stubble 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 10 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 12 lattice design was used at each non-virus location, and a 7 x 8 lattice design was used at the virus locations.

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. Both 1983 virus tests were abandoned because of severe drought damage. Virus ratings were not taken since leaf roll and firing masked visual symptoms. Severe johnsongrass competition at the Henderson site further complicated data collection. Please refer to Tables 14 and 15 in the Kentucky Hybrid Corn Performance Test—1982 (Progress Report 267) for information regarding selection of virus resistant hybrids.

NOTES ABOUT THE GROWING SEASON

GENERAL COMMENTS

The 1983 growing season was plagued by numerous problems. Early spring rains were heavy and delayed planting in many areas. Two test sites were planted prior to the heaviest rains. The Bardstown test suffered only minor damage from the early rains but the Lexington test had to be replanted at a later date. All tests, except for the Sebree test, suffered from drought and high temperatures after planting. The data from five tests are not reported: Quicksand, Lexington, Frankfort, Bardstown, and Henderson. Two, Quicksand and Bardstown, were harvested but the data were considered unusable. The others were not harvested.

At all test locations earlier hybrids appeared to fare better than later maturing hybrids, which is probably an effect of poor late season growth conditions. The data presented in this report, therefore, should be considered with care. Data presented in the Kentucky Hybrid Corn Performance Test—1982 (Progress Report 267) should be used in conjunction with the present report to provide a better evaluation of hybrid performance.

CLINTON (Hickman County)

The Clinton test was planted on June 9. The test was inundated by overflow water from a creek beside the plot on July 4. Water running across the plot area caused some early season lodging. Late season lodging caused by the Southwestern corn borer reduced yields since lodged plants could not be drawn into the shelling unit.

PRINCETON (K.A.E.S.)

The Princeton test was planted on June 9. Lack of rainfall during the growing season reduced yields. Weed control was good. Some insect damage was caused by the European and Southwestern corn borers.

SEBREE (Webster County)

The Sebree test was planted on June 2. Weed control was good. Disease and insect problems were minimal.

ELKTON (Todd County)

The Elkton test was planted on June 22. The late planting date resulted from a location change caused by excessive moisture on the originally chosen site. The test was sprayed for army worm control. Additional yield reductions came from lodging associated with European and Southwestern corn borers, heavy damage from raccoons in several plots, and bird damage associated with late planting.

BARDESTOWN (Nelson County)

The Bardstown test was planted no-till on April 27 in soybean and wheat stubble. Heavy rainfall on April 29 caused some problems with stands on more sloping areas. This test was severely damaged by drought that occurred after pollination. Data from this test are not included in the 1983 report because in our judgement the results were highly variable (c.v. = 24.6%) and not representative of the true performance potential of the hybrids.

LEXINGTON (K.A.E.S.)

The Lexington test was originally planted on April 28. Heavy rainfall during May resulted in the test being replanted on May 31. Drought during pollination caused severe damage. A careful check of the plots was made the latter part of August to assess the damage, which was considered to be so severe that the plots were harvested as silage.

QUICKSAND (K.A.E.S.)

The Quicksand test was planted on June 1. Rainfall flooded low areas of the test causing heavy damage to a number of plots. Weed control was fair although some vines and broad leaf weeds appeared late in the season. Maize Dwarf Mosaic Virus was present on johnsongrass and corn in areas where the grass was present. Gray leaf spot was observed but did not appear to cause substantial damage. The low populations in many plots, and numerous missing plots associated with heavy early rainfall, resulted in these data not being included in the 1983 report.

HENDERSON (Henderson County)

The Henderson test was planted on June 13. The test site at planting appeared to be relatively free of johnsongrass. Although herbicides were applied to control johnsongrass and other weeds, inspection of the plot on July 14 showed it was overgrown with johnsongrass. Later inspection on September 9 showed the plot had suffered from drought and heavy competition of johnsongrass. The plot was abandoned because of these problems.

FRANKFORT (Franklin County)

The Frankfort test was planted on May 26. The test was checked on several occasions during the growing season for Maize Dwarf Mosaic Virus symptoms, but virus symptoms were masked by drought damage. The test was not harvested because the lack of rainfall permitted little grain development.

TABLE 1.—PRECIPITATION AT TEST LOCATIONS, 1983

| Month | Days | Location | | | | | | | | |
|-------------|-------|-----------|---------|--------|-----------|--------------------|--------------------|-----------|-----------|-----------|
| | | Princeton | Clinton | Sebree | Henderson | Elkton | Bardstown | Lexington | Quicksand | Frankfort |
| May | 1-8 | 6.65 | | | 3.54 | | 4.69 ^{1/} | 3.53 | 2.29 | |
| | 9-16 | 1.95 | | | 1.56 | | 4.41 | 2.66 | 2.88 | |
| | 17-24 | 2.49 | | | 2.48 | | 2.69 | 2.08 | 2.06 | |
| | 25-31 | 1.67 | | | 0.66 | | -- | 0.31* | 0.43 | |
| | Total | 11.76 | | | 8.24 | | 11.79 | 8.58 | 7.66 | |
| June | 1-8 | 1.21 | | 0.75* | 0.75 | | 2.07 | 1.14 | 1.42* | |
| | 9-16 | 0.21* | | 1.65 | 1.16* | | -- | -- | -- | |
| | 17-24 | 1.15 | 0.10* | 0.04 | 0.16 | * | 1.38 | 0.93 | 0.30 | |
| | 25-30 | 0.42 | 1.46 | 0.85 | 2.29 | | -- | 0.11 | 0.35 | |
| | Total | 2.99 | 2.66 | 3.29 | 4.36 | | 3.45 | 2.18 | 2.07 | |
| July | 1-8 | 1.68 | 4.70 | -- | 0.64 | 2.32 | 1.02 | 0.57 | 1.30 | |
| | 9-16 | -- | -- | 0.17 | -- | -- | -- | 1.56 | 0.06 | |
| | 17-24 | 0.07 | -- | -- | -- | 0.40 | -- | 0.02 | 0.87 | |
| | 25-31 | 1.47 | -- | 2.00 | 2.04 | -- | -- | 0.01 | 0.06 | |
| | Total | 3.22 | 4.70 | 2.17 | 2.68 | 2.72 | 1.02 | 2.16 | 2.29 | |
| August | 1-8 | 0.04 | -- | -- | 0.10 | -- | 0.22 | 0.10 | 1.57 | |
| | 9-16 | -- | 0.10 | 0.06 | -- | 3.08 | 0.19 | 0.38 | 2.01 | |
| | 17-24 | -- | -- | -- | -- | -- | 3.03 | -- | -- | |
| | 25-31 | 0.46 | -- | 0.17 | 0.33 | -- | 2.14 | 0.74** | 1.36 | |
| | Total | 0.50 | 0.10 | 0.23 | 0.43 | 3.08 | 5.58 | 1.22 | 4.94 | |
| September | 1-8 | -- | 0.30 | -- | 0.07 | 1.00 | -- | -- | 0.17 | |
| | 9-16 | -- | -- | 0.27 | 0.13 | -- | 1.20 | 0.87 | 0.77 | |
| | 17-24 | 0.18 | -- | 0.33 | 0.24 | 0.66 | 0.75** | 0.46 | 0.75 | |
| | 25-30 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | Total | 0.18 | 0.30 | 0.60 | 0.44 | 1.66 | 1.95 | 1.33 | 1.69 | |
| October | 1-8 | 0.65 | -- | 1.73 | 1.98 | -- | -- | 0.05 | 0.53 | |
| | 9-16 | 1.10** | -- | 0.75 | 0.58 | 1.60 | -- | 2.70 | 0.87 | |
| | 17-24 | 3.22 | 2.10 | 2.00** | 2.60 | -- | -- | 3.39 | 2.28 | |
| | 25-31 | -- | --** | --** | 0.03 | 3.00 | -- | -- | 0.23** | |
| | Total | 4.37 | 2.10 | 4.48 | 5.19 | 4.60 ^{2/} | -- | 6.14 | 3.91 | |
| Grand Total | | 23.62 | 9.76 | 10.77 | 21.34 | 12.06 | 23.79 | 21.61 | 22.56 | |

Precipitation was not available at this location.

* Planting, ** Harvest Date, ^{1/} 0.81" 4/29, ^{2/} Harvest 11/8

TABLE 2.—HYBRIDS TESTED IN 1983

| | Hybrid | Test* | Color | Cross** | Source |
|------------------|--------|-------|--------|---------|---|
| Adler's | 70X | B | Yellow | 2X | Adler's Seed Inc. Route 1 Sharpesville, IN 46068 |
| | 78X | B | Yellow | 2X | |
| | 88X | A | Yellow | 2X | |
| | 3015 | A | Yellow | 2X | |
| | 7910 | A | Yellow | 2X | |
| AgraTech | GK868 | A | Yellow | 2X | AgraTech Seed Research P. O. Box 644 Atlanta, GA 31714 |
| | GK925 | A | Yellow | 2X | |
| AgriGold | A-6865 | A | Yellow | 2X | Akin Seed Company Route 1 St. Francesville, IN 62460 |
| | A-6900 | A | Yellow | 2X | |
| | A-6910 | A | Yellow | 2X | |
| | A-6915 | A | Yellow | 2X | |
| | XA-830 | B | Yellow | | |
| Asgrow | RX114 | A | Yellow | 2X | Asgrow Seed Company Kalamazoo, MI 49001 |
| | RX777 | A | Yellow | 2X | |
| | RX962W | A | White | 2X | |
| Beck's | 85XA | A | Yellow | 2X | Beck's Superior Hybrids Route 2, Box 142 Atlanta, IN 46031 |
| | 90X | A | Yellow | 2X | |
| Big "D" | 6986 | A | Yellow | 2X | Big "D" Seed Company Catlin, IL 61817 |
| Bo-Jac | 674 | A | Yellow | 2X | Bo-Jac Hybrid Corn Company R. R. #2 Mount Pulaski, IL 62548 |
| | 923 | A | Yellow | 2X | |
| | 9332 | A | Yellow | 2X | |
| Campbell | C755 | A | Yellow | 2X | Campbell Seed R. R. #3 Tipton, IN 46072 |
| | C960 | A | Yellow | 2X | |
| Cargill | 951 | B | Yellow | 2X | Cargill Seeds P. O. Box 9480 Minneapolis, MN 55440 |
| | 955 | A | Yellow | 2X | |
| | 967 | A | Yellow | 2X | |
| | 980 | A | Yellow | 2X | |
| Caverndale Farms | CF6065 | A | Yellow | 2X | Caverndale Farms Route 2 Danville, KY 40422 |
| Coker | 19A | A | Yellow | 2X(Mod) | Coker's Pedigreed Seed P. O. Box 340 Hartsville, SC 29550 |
| | 21 | A | Yellow | 2X | |
| | 22 | A | Yellow | 3X | |
| | 833W | A | White | 2X | |

TABLE 2.—HYBRIDS TESTED (continued)

| | Hybrid | Test* | Color | Cross** | Source |
|------------------|-----------|--------|--------|---------|--|
| Colbert | 315 | A | Yellow | 2X | Colbert Farms R. R. #2 Washington, IN 47501 |
| | 340 | A | Yellow | 2X | |
| | 345 | A | Yellow | 2X | |
| Crow's | 690 | A | Yellow | 2X | Crow's Hybrid Corn Company Route 2, Box 166 St. Joseph, IL 61873 |
| | SL75 | A | Yellow | 2X | |
| Custom Farm Seed | 8000 | A | Yellow | 2X | Custom Farm Seed P. O. Box 160 Momence, IL 60954 |
| | W222 | A | Yellow | 2X | |
| D & H | DH7150 | B | Yellow | 2X | D & H Seeds & Services P. O. Box 623 Robinson, IL 62454 |
| | DH7183 | A | Yellow | 2X | |
| | DH9113 | A | Yellow | 2X | |
| | DH9120 | A | Yellow | 2X | |
| | DH9228 | A | Yellow | 2X | |
| DeKalb | DK747 | A | Yellow | 2X | DeKalb Pfizer Genetics Sycamore Road DeKalb, IL 60115 |
| | DK789 | AB | Yellow | | |
| | EX369 | B | Yellow | 2X | |
| | EX370 | B | Yellow | 2X | |
| | T1230 | A | Yellow | 2X | |
| | XL71 | A | Yellow | 2X | |
| | XL72B | B | Yellow | 2X | |
| | XL72BB | B | Yellow | 2X | |
| XL390B | A | Yellow | 3X | | |
| Dennis | DS37A | A | Yellow | 2X | Dennis Hybrid Company P. O. Box 487 Windfall, IN 46076 |
| | DS42 | A | Yellow | 2X | |
| | DS49 | A | Yellow | 2X | |
| | DS650 | A | Yellow | 2X | |
| | DSM19 | B | Yellow | 2X | |
| Funk's | 7007A | B | Yellow | 3X | Funk's Seed International 1300 Washington Street Bloomington, IL 61701 |
| | 8006X | B | Yellow | 3X(Mod) | |
| | G-4522 | A | Yellow | 2X(Mod) | |
| | G-4525A | B | Yellow | 2X(Mod) | |
| | G-4669 | A | Yellow | 2X | |
| | G-4733 | A | Yellow | 2X(Mod) | |
| | G-4734 | B | Yellow | 2X(Mod) | |
| | G-4740A | B | Yellow | 2X(Mod) | |
| G-4779W | A | White | 2X | | |
| Gold Tag | GT4022 | A | Yellow | 2X | Ferry Morse Seeds P. O. Box 24 Genesco, IL 61254 |
| | GT-EX4045 | B | Yellow | 3X | |

TABLE 2.—HYBRIDS TESTED (continued)

| | Hybrid | Test* | Color | Cross** | Source |
|----------------|------------|-------|--------|---------|---|
| Golden Acres | T-E 6945 | B | Yellow | 2X(Mod) | Taylor-Evans Seed Company P. O. Box 68 Tulia, TX 79088 |
| | T-E 6995 | A | Yellow | 2X | |
| | T-E 6995A | A | Yellow | 2X | |
| | T-E 6998 | A | Yellow | 2X | |
| Golden Harvest | H2260W | AB | White | 2X | Columbiana Seed Company Eldred, IL 62027 |
| | H2675 | A | Yellow | 2X | |
| | H2680 | A | Yellow | 2X | |
| | H2686 | A | Yellow | 2X | |
| | H2745 | A | Yellow | 3X | |
| | H2775A | A | Yellow | 2X(Mod) | |
| Jacobi | 6600 | A | Yellow | 2X | Jacobi Hybrids R. R. #1 McCordsville, IN 46055 |
| | 7300 | B | Yellow | 2X | |
| | 8800 | A | Yellow | 2X | |
| | CX91 | A | Yellow | 2X | |
| | CX92 | B | Yellow | 2X | |
| Jacques | 8100 | A | Yellow | 2X | Jacques Seed Company Prescott, WI 54021 |
| | 8220 | A | Yellow | 2X | |
| | 8400 | AB | Yellow | 2X | |
| | JX227 | B | Yellow | 2X | |
| | JX247 | A | Yellow | 2X | |
| K.A.E.S. | B73 x Pa91 | A | Yellow | 2X | Kentucky Agricultural Experiment Station University of Kentucky Lexington, KY 40546-0091 |
| | Mo17 x B73 | A | Yellow | 2X | |
| Leader | SX710 | A | Yellow | 2X | Leader Seeds, Inc. 7160 S.R. 118 Celina, OH 45822 |
| | SX717 | A | Yellow | 2X | |
| McCurdy | 81-34 | B | Yellow | 2X | McCurdy Seed Company Fremont, IA 52561 |
| | 84A | A | Yellow | 2X | |
| | 8150 | A | Yellow | 2X | |
| | 8225 | B | Yellow | 2X | |
| NAPB/Migro | HP87 | A | Yellow | 2X | NAPB/Migro 5201 Johnson Drive P. O. Box 2955 Mission, KS 66201 |
| Northrup-King | PX95 | AB | Yellow | 2X | Northrup-King & Company 1500 Jackson Street, NE Minneapolis, MN 55413 |

TABLE 2.—HYBRIDS TESTED (continued)

| | Hybrid | Test* | Color | Cross** | Source |
|----------------|----------|-------|--------|---------|--|
| O's Gold | 2570 | A | Yellow | 2X | O's Gold Seed Company P. O. Box 460 Parkersburg, IA 50665 |
| | 3344 | B | Yellow | 2X | |
| | 5255 | B | Yellow | 2X(Mod) | |
| | SX5509 | A | Yellow | 2X | |
| P.A.G. | SW17A | B | Yellow | 2X | P-A-G Seeds P. O. Box 9480 Minneapolis, MN 55440 |
| | SX70W | A | White | 2X | |
| | SX354 | A | Yellow | 2X | |
| | SX379 | A | Yellow | 2X | |
| Paymaster | 8951 | A | Yellow | 2X | Paymaster Seeds P. O. Box 9493 Minneapolis, MN 55440 |
| | 8990 | A | Yellow | 2X | |
| Pioneer Brand | 3147 | B | Yellow | 2X(Mod) | Pioneer Hi-Bred International 221 North Main Street Tipton, IN 46072 |
| | 3160 | B | Yellow | 2X(Mod) | |
| | 3184 | A | Yellow | 2X | |
| | 3187 | B | Yellow | 2X(Mod) | |
| | 3320 | A | Yellow | 2X(Mod) | |
| | 3328 | B | Yellow | 2X(Mod) | |
| | 3358 | A | Yellow | 2X | |
| | 3389 | A | Yellow | 2X | |
| Prairie Stream | SX730 | A | Yellow | 2X | Prairie Stream Farms Route 3, Box 56 Frankfort, IN 46041 |
| | X2317 | B | Yellow | 2X | |
| | X7095 | B | Yellow | 2X | |
| Premier | SX636 | A | Yellow | 2X | Premier Hybrids Route 15, Box 223X Acton, IN 46259 |
| | SX639AB | A | Yellow | 2X(Mod) | |
| Princeton | SX860 | A | Yellow | 2X | Princeton Farms P. O. Box 319 Princeton, IN 47670 |
| | SX870 | A | Yellow | 2X | |
| | SX910W | B | White | 2X | |
| Ring Around | RA1502 | A | Yellow | 2X | Ring Around Products, Inc. 12000 Ford Road Suite 300 Dallas, TX 75234 |
| | RA1505 | A | Yellow | 2X | |
| | RA1604 | A | Yellow | 2X | |
| | RA2602W | A | White | 2X(Mod) | |
| | RA2606W | A | White | 2X | |
| | RA3605W | A | White | 2X(Mod) | |
| | RAX9505C | B | Yellow | 2X | |
| Ruff's | R302 | A | Yellow | 2X | Ruff's Seed Farms Amanda, OH 43102 |
| | R334A | A | Yellow | 2X | |
| | R445 | A | Yellow | 2X | |

TABLE 2.—HYBRIDS TESTED (continued)

| | Hybrid | Test* | Color | Cross** | Source |
|------------------|----------|-------|--------|---------|--|
| Scott Seed | LR103 | A | Yellow | 2X | Scott Seed Company, Inc. P. O. Box 849 New Albany, IN 47150 |
| | LR880 | A | Yellow | 2X | |
| | LR888 | A | Yellow | 2X | |
| Select Seed | 8400 | A | Yellow | 2X | Select Seed Hybrids P. O. Box 54 Camden, IN 46917 |
| | 8900 | A | Yellow | 2X | |
| | 8990 | A | Yellow | 2X | |
| | 9122 | A | Yellow | 2X | |
| | 9300 | A | Yellow | 2X | |
| | MDM75 | B | Yellow | 2X(Mod) | |
| Southern States | SS710 | B | Yellow | 3X | Southern States Coop., Inc. P. O. Box 26234 Richmond, VA 23260 |
| | SS811 | A | Yellow | 2X | |
| | SS910 | A | Yellow | 2X | |
| | SS915 | A | White | 2X | |
| | SS950W | A | White | 3X | |
| | EX 30728 | B | Yellow | 2X | |
| Stauffer | S8818 | A | Yellow | 2X | Stauffer Seeds 975 South Durkin Drive Springfield, IL 62704 |
| Stewart | 6573 | A | Yellow | 2X | Stewart's Hybrids, Inc. Princeville, IL 61559 |
| | 6586 | B | Yellow | 2X | |
| | 6973 | A | Yellow | 2X | |
| | 8973 | A | Yellow | 2X | |
| | SX77 | A | Yellow | 2X | |
| Super Crost | 6386 | A | Yellow | 2X | Edward J. Funk & Sons, Inc. Box 67 Kentland, IN 47951 |
| | 6762 | A | Yellow | 2X | |
| | 7795 | B | Yellow | 2X(Mod) | |
| | 7801 | A | Yellow | 2X | |
| U.S.S. Ag. Chem. | USS2020 | A | Yellow | 2X | U.S.S. Agri-Chemicals Div. of U.S. Steel Corp. P. O. Box 1685 Atlanta, GA 30301 |
| | USS2315 | B | Yellow | 2X | |
| | USS7001 | A | Yellow | 2X | |
| Voriss Seeds | V2631 | A | Yellow | 2X | Voriss Seeds, Inc. P. O. Box 457 Windfall, IN 46076 |
| | V2641 | A | Yellow | 2X | |
| White Seeds | MV58 | A | White | 2X | White Seeds P. O. Box 457 Morganfield, KY 42437 |
| | MV68 | A | White | 2X | |
| | MV78 | A | White | 2X | |
| | MV88 | A | White | 3X | |

TABLE 2.—HYBRIDS TESTED (continued)

| | Hybrid | Test* | Color | Cross** | Source |
|-----------|--------|-------|--------|---------|--|
| Zimmerman | Z11W | A | White | 2X | Zimmerman Hybrids, Inc. 5147 W. Franklin Road Evansville, IN 47712 |
| | Z14W | AB | White | 2X | |
| | Z23Y | A | Yellow | 2X | |
| | Z26Y | A | Yellow | 2X | |
| | Z30Y | B | Yellow | 2X | |
| | X52W | AB | White | 3X | |
| | X53W | B | White | 3X | |

* A = Performance Test, B = Virus Test

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

TABLE 3.—AGRONOMIC INFORMATION PERTAINING TO 1983 TEST LOCATIONS

| Location and Cooperator | Soil Type | Fertilizer Lb/A | Herbicide | Insecticide | Planting Dates | Harvest Dates | Comments |
|---|--|--|-------------------------------------|-----------------|-------------------|-------------------------|---|
| (1) Clinton, KY Steve Ward | Grenada Silt Loam | N - 180 P ₂ O ₅ - 46 K ₂ O - 120 | Eradicane Extra and Aatrex | Furadan | June 9 | October 27 & 28 | Johnsongrass and Insects |
| (2) Princeton, KY Western Kentucky Research and Education Center | Huntington and Lindsie Silt Loam | N - 150 P ₂ O ₅ - None K ₂ O - 100 | Eradicane and Bladex | Furadan | June 9 | October 10 & 11 | |
| (3) Henderson, KY Charles Rettig | Huntington Sandy Loam | N - 150 P ₂ O ₅ - None K ₂ O - None | Sutan [†] and Aatrex | None Applied | June 13 | None | Heavy Johnsongrass |
| (4) Sebree, KY J. A. Tapp | Belknap Silt Loam | N - 170 P ₂ O ₅ - 46 K ₂ O - 60 | Lasso and Aatrex | Furadan | June 2 | October 17, 26, & 27 | |
| (5) Elkton, KY Elmer and Melvin Hochstetler | Newark Silt Loam | N - 120 P ₂ O ₅ - 70 K ₂ O - 70 | Eradicane and Aatrex | Furadan | June 22 | November 8 & 9 | Johnsongrass, Bird and Varmint Damage |
| (6) Bardstown, KY Tommy Hart | Pembroke Silt Loam | N - 200 P ₂ O ₅ - 125 K ₂ O - 100 | Aatrex (Split Application) | Furadan | April 27 | September 22 & 23 | Drought |
| (7) Frankfort, KY Wilbert and Roger Perkins | Huntington Silt Loam | N - 100 P ₂ O ₅ - None K ₂ O - None | Eradicane and Aatrex | None Applied | May 26 | None | Drought |
| (8) Lexington, KY K.A.E.S. Spindletop Farm | Lanton Silt Loam | N - 150 P ₂ O ₅ - None K ₂ O - 100 | Eradicane and Aatrex | Furadan | May 31 | None | Drought, Harvested as Silage |
| (9) Quicksand, KY Robinson Forest Station | Philo Silt Loam | N - 150 P ₂ O ₅ - 60 K ₂ O - 60 | Eradicane and Lasso | Furadan | June 1 | November 1 & 2 | Weed, Stand Problems |

TABLE 4.—ANNUAL SUMMARY, CLINTON

| VARIETY | YIELD BU/AC 81-83 | YIELD BU/AC 82-83 | YIELD BU/AC 1983 | AVG % MOIST 1983 | AVG % STAND 1983 | TOTAL % LODGED 1983 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|---------------------------|
| YELLOW HYBRIDS | | | 127.9 | 21.5 | 79.5 | 15.4 |
| AGRIGOLD A-6865 | | | 126.8 | 21.9 | 76.7 | 18.8 |
| D&M DM9120 | | 97.9 | 126.2 | 20.9 | 77.6 | 17.9 |
| CAMPBELL C960 | | 105.1 | 124.7 | 21.5 | 77.6 | 9.8 |
| SELECT SEED 9122 | | | 124.6 | 20.0 | 75.7 | 25.2 |
| JACQUES 8100 | | | 123.1 | 19.0 | 84.8 | 14.6 |
| DENNIS DS37A | | | 122.6 | 20.8 | 81.0 | 29.5 |
| JACQUES JX247 | 114.4 | 85.5 | 122.6 | 20.6 | 81.9 | 19.3 |
| PAYMASTER 8990 | | | 122.2 | 19.7 | 81.9 | 23.3 |
| SELECT SEED 8400 | 124.1 | 102.7 | 121.9 | 19.3 | 81.4 | 16.2 |
| JACOBI 6600 | | | 120.9 | 22.2 | 79.5 | 19.9 |
| CUSTOM FM SEED CFS8000 | 122.5 | 95.2 | 119.9 | 22.7 | 78.1 | 27.2 |
| SO. STATES SS915 | 110.7 | 85.7 | 117.7 | 21.4 | 80.5 | 20.9 |
| COXER 21 | | | 116.9 | 20.5 | 81.4 | 15.6 |
| JACQUES 8400 | | | 116.9 | 20.8 | 81.9 | 12.4 |
| COLBERT 315 | 125.6 | 101.1 | 116.7 | 18.8 | 83.8 | 26.4 |
| O'S GULD 2570 | | | 116.4 | 21.1 | 88.1 | 22.7 |
| SELECT SEED 9300 | 123.1 | 100.4 | 116.0 | 20.3 | 81.4 | 31.6 |
| LEADER SX710 | | | 115.7 | 22.2 | 84.8 | 17.4 |
| RING AROUND RA1502 | 129.5 | 107.4 | 115.0 | 21.0 | 83.8 | 20.3 |
| DRH DM7183 | | | 115.0 | 19.6 | 82.9 | 20.6 |
| RUFF'S R334A | 124.2 | 96.4 | 114.3 | 22.8 | 77.1 | 28.6 |
| ZIMMERMAN I23Y | | | 113.5 | 20.2 | 81.0 | 11.5 |
| SO. STATES SS811 | | | 112.1 | 22.0 | 83.8 | 19.1 |
| LEADER SX717 | | | 111.9 | 20.3 | 81.4 | 19.1 |
| GOLDEN AC. T-E 6998 | 115.6 | 89.5 | 111.5 | 21.3 | 81.0 | 23.3 |
| DENNIS DS42 | 119.1 | 103.6 | 111.4 | 20.7 | 81.4 | 21.1 |
| CROW'S 690 | | | 110.8 | 19.1 | 78.1 | 15.8 |
| GOLDEN AC. T-E 6995A | | 85.7 | 110.6 | 20.5 | 82.4 | 15.0 |
| ASGRON RX777 | | 94.5 | 110.1 | 21.5 | 83.8 | 11.0 |
| GOLDEV HARV. H2690 | 112.7 | 85.9 | 109.9 | 21.1 | 76.2 | 11.5 |
| PIONEER BRAND 3389 | | | 109.6 | 20.2 | 83.3 | 42.7 |
| USS AG-CHEM USS7001 | | | 109.5 | 20.1 | 82.9 | 17.8 |
| RING AROUND RA1604 | 108.1 | 86.6 | 109.0 | 20.4 | 85.7 | 19.6 |
| SELECT SEED 8900 | 119.7 | 94.9 | 108.3 | 20.4 | 85.7 | 16.2 |
| RING AROUND RA1505 | | | 108.0 | 20.1 | 82.9 | 10.3 |
| BECK'S 90X | | | 108.0 | 19.2 | 82.9 | 21.6 |
| JACQUES 8220 | | | 107.9 | 21.8 | 83.8 | 17.1 |
| CAMPBELL C755 | | | 106.9 | 19.1 | 87.6 | 17.1 |
| PIONEER BRAND 3184 | 103.9 | 86.0 | 106.3 | 22.7 | 89.5 | 14.4 |
| MO17 X 873 | | | 106.2 | 19.3 | 85.7 | 23.4 |
| BO-JAC 923 | 117.3 | 87.8 | 105.1 | 21.9 | 76.7 | 17.3 |
| CARGILL 930 | | | 105.0 | 20.6 | 76.7 | 24.3 |
| ADLERS 884 | 102.5 | 83.7 | 105.0 | 21.7 | 80.0 | 10.5 |
| DENNIS DS49 | | | 92.3 | 20.2 | 82.4 | 25.1 |
| AGRIGOLD A-6410 | | 104.0 | 104.2 | 20.2 | 82.4 | 25.1 |
| COLBERT 340 | 119.6 | 91.9 | 104.1 | 21.4 | 77.6 | 20.5 |
| COLBERT 345 | 121.4 | 99.1 | 103.6 | 21.1 | 81.4 | 31.9 |
| BO-JAC 674 | | | 95.1 | 19.6 | 71.9 | 21.0 |
| PREMIER SX639AB | | | 94.1 | 21.7 | 84.8 | 10.9 |
| STAUFFER SB818 | | | 85.9 | 20.7 | 81.0 | 32.7 |
| GOLDEV HARV. H2775A | 118.9 | 89.6 | 102.4 | 21.0 | 73.8 | 28.6 |
| D&M DM9113 | 109.7 | 86.0 | 102.4 | 20.9 | 84.8 | 36.7 |
| PIONEER BRAND 3320 | 104.9 | 83.6 | 102.2 | 20.7 | 74.8 | 27.7 |
| SELECT SEED 8990 | | | 101.7 | 20.7 | 74.8 | 9.6 |
| GOLDEN HARV. H2675 | | | 101.4 | 19.6 | 79.0 | 25.2 |
| ASGRON RX114 | | | 101.3 | 21.9 | 80.0 | 27.4 |
| NAPP/MIGRO MP87 | 106.9 | 76.3 | 100.9 | 21.1 | 84.8 | 27.9 |
| STEWART SX77 | 108.8 | 88.8 | 100.5 | 21.2 | 77.6 | 29.1 |
| STEWART 6973 | 101.0 | 77.0 | 100.3 | 22.7 | 75.2 | 15.8 |
| GOLDEV HARV. H2686 | 107.0 | 84.7 | 100.3 | 19.3 | 88.6 | 23.1 |
| MCCURDY 84AA | 110.6 | 90.7 | 100.2 | 19.3 | 82.9 | 20.7 |
| CROW'S SL75 | | | 100.2 | 19.5 | 81.0 | 17.0 |
| CARGILL 967 | 103.8 | 86.9 | 99.9 | 20.2 | 84.8 | 38.4 |
| SUPER CROST 6762 | | | 99.9 | 23.5 | 81.0 | 17.8 |
| DEKALB-PFIZER DK7A9 | | | 99.9 | 20.3 | 84.3 | 12.0 |
| JACOBI 5800 | | | 99.8 | 20.3 | 80.5 | 37.1 |
| VORIS SEEDS V2641 | 104.2 | 79.0 | 99.6 | 22.5 | 80.5 | 37.1 |
| PRINCEJON SX870 | 98.9 | 76.3 | 99.4 | 21.4 | 87.6 | 16.5 |
| SCOTT SEED LR980 | 104.7 | 74.4 | 98.6 | 20.5 | 84.3 | 28.6 |
| FUNK'S 6-4522 | 109.7 | 89.3 | 98.3 | 18.7 | 80.5 | 12.6 |
| GOLDEV AC. T-E 6995 | 103.3 | 90.5 | 97.8 | 21.0 | 64.8 | 26.3 |

TABLE 4.—CLINTON (continued)

| VARIETY | YIELD BU/AC 81-83 | YIELD BU/AC 82-83 | YIELD BU/AC 1983 | AVG % MOIST 1983 | AVG % STAND 1983 | TOTAL % LODGED 1983 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|---------------------------|
| YELLOW HYBRIDS | | | | | | |
| P.A.G. SX379 | | | 97.5 | 20.2 | 80.5 | 28.6 |
| SCOTT SEED LR886 | | | 97.2 | 21.1 | 81.0 | 29.6 |
| SUPER CROST 6386 | | | 96.6 | 21.0 | 83.8 | 17.3 |
| AGRIGOLO 4-6915 | | | 96.1 | 19.7 | 84.3 | 22.0 |
| STEWART 8973 | | | 96.0 | 21.4 | 67.1 | 32.8 |
| DEKALB-PFIZER T1230 | 103.6 | 75.9 | 95.8 | 22.4 | 80.0 | 28.3 |
| USS AG-CHEM USS2020 | 102.5 | 74.7 | 95.8 | 19.5 | 86.2 | 36.5 |
| VORIS SEEDS V2631 | | 75.7 | 95.7 | 18.4 | 83.3 | 15.8 |
| JACOBI CX91 | | | 95.3 | 21.6 | 83.3 | 13.4 |
| COKER 19A | 113.3 | 91.6 | 95.0 | 19.7 | 81.9 | 20.1 |
| FUNK'S G-4733 | 112.8 | 83.3 | 94.3 | 22.7 | 85.2 | 31.7 |
| AGRATECH GK868 | | | 93.6 | 19.4 | 78.1 | 14.8 |
| BECK'S 85XA | | | 93.4 | 22.1 | 74.8 | 26.0 |
| PREMIER SX636 | 123.4 | 95.4 | 93.2 | 21.9 | 80.5 | 20.5 |
| CAVERDALE CF 6065 | | | 92.9 | 20.5 | 80.0 | 21.6 |
| STEWART 6573 | | | 92.5 | 20.9 | 81.4 | 17.0 |
| AGRIGOLD 4-6900 | 109.1 | 76.2 | 91.8 | 22.5 | 69.5 | 30.3 |
| GOLD TAG GT4022 | 109.2 | 81.6 | 91.2 | 20.1 | 83.8 | 21.8 |
| P.A.G. SX351 | 101.8 | 83.0 | 91.2 | 19.4 | 83.8 | 20.7 |
| ZIMMERMAN 226Y | | | 91.0 | 21.0 | 81.9 | 20.6 |
| PIONEER BRAND 3358 | | 70.4 | 90.6 | 22.9 | 81.9 | 12.6 |
| ADLERS 7910 | | | 90.5 | 21.1 | 81.0 | 23.4 |
| AGRATECH GK925 | | | 89.9 | 21.8 | 82.4 | 29.0 |
| MCCURDY 8150 | 109.4 | 86.8 | 89.6 | 21.4 | 79.0 | 28.8 |
| COKER 22 | 99.9 | 75.3 | 89.5 | 21.2 | 84.8 | 15.2 |
| CUSTOM FM SEED CFS#222 | | | 89.3 | 19.4 | 81.0 | 20.5 |
| PRAIRIE STREAM SX730 | | | 89.2 | 22.0 | 83.8 | 18.4 |
| DEKALB-PFIZER DK747 | | 85.4 | 88.7 | 21.7 | 78.6 | 16.2 |
| DEKALB-PFIZER XL71 | 104.6 | 73.7 | 88.3 | 21.6 | 81.9 | 29.9 |
| FUNK'S G-4669 | | | 88.2 | 20.1 | 78.1 | 23.1 |
| P.A.G. SX354 | | | 87.9 | 21.3 | 76.2 | 22.3 |
| RUFF'S R302 | | | 87.4 | 19.2 | 77.1 | 8.8 |
| NORTHROP-KING PX95 | 115.8 | 77.5 | 86.5 | 24.2 | 71.4 | 24.6 |
| O'S GOLD SX5509 | 107.7 | 77.5 | 86.4 | 19.7 | 74.8 | 43.8 |
| SO. STATES SS910 | | | 86.0 | 21.0 | 80.0 | 34.6 |
| BIG "D" 6986 | | | 85.8 | 22.6 | 68.1 | 13.6 |
| SUPER CROST 7801 | 103.7 | 64.2 | 84.7 | 22.9 | 70.5 | 29.4 |
| BO-JAC 9332 | | | 84.6 | 22.0 | 71.9 | 13.5 |
| B73 X PA91 | | | 82.0 | 21.2 | 81.0 | 35.9 |
| PRINCETON SX860 | 99.7 | 83.2 | 81.2 | 19.5 | 76.7 | 16.2 |
| ADLERS 3015 | | | 80.2 | 18.9 | 76.7 | 19.1 |
| PAYMASTER 8951 | 104.9 | 69.1 | 80.0 | 21.1 | 75.2 | 25.2 |
| DENNIS DS650 | | | 75.8 | 20.0 | 69.0 | 25.0 |
| SCOTT SEED LR103 | | | 72.3 | 18.9 | 77.6 | 37.7 |
| CARGILL 955 | | | 66.9 | 19.3 | 71.0 | 20.0 |
| YELLOW AVERAGE | 111.0 | 87.5 | 101.4 | 20.8 | 80.3 | 22.0 |
| WHITE HYBRIDS | | | | | | |
| ZIMMERMAN 214H | 113.2 | 88.5 | 108.0 | 21.1 | 82.4 | 48.1 |
| RING AROUND RA3605H | 106.0 | 77.8 | 104.8 | 22.4 | 78.6 | 29.1 |
| SO. STATES SS950H | 122.1 | 89.4 | 103.4 | 24.0 | 78.6 | 18.6 |
| ZIMMERMAN 211H | 103.9 | 77.2 | 100.8 | 22.8 | 81.9 | 44.4 |
| WHITE SEEDS MV88 | | 74.9 | 90.4 | 21.9 | 79.5 | 22.1 |
| WHITE SEEDS MV58 | | | 89.3 | 20.9 | 83.8 | 17.9 |
| WHITE SEEDS MV78 | 109.4 | 81.0 | 87.7 | 21.4 | 70.0 | 33.3 |
| ASGROW RX962W | 102.7 | 74.0 | 86.5 | 24.3 | 71.4 | 27.2 |
| WHITE SEEDS MV68 | | | 86.5 | 23.0 | 88.6 | 17.1 |
| RING AROUND RA2606H | | | 86.3 | 23.1 | 69.5 | 35.0 |
| RING AROUND RA2602H | 98.7 | 69.9 | 83.8 | 23.7 | 71.4 | 31.7 |
| FUNK'S G-4779H | | 74.4 | 83.1 | 23.6 | 82.9 | 23.6 |
| DEKALB-PFIZER XL390B | 98.7 | 70.1 | 80.9 | 21.2 | 71.4 | 38.4 |
| ZIMMERMAN 252H | 95.0 | 66.1 | 79.1 | 23.3 | 79.5 | 31.9 |
| P.A.G. SX70H | | 65.9 | 78.0 | 21.1 | 80.0 | 29.2 |
| COKER 833H | | | 74.2 | 22.6 | 69.0 | 41.1 |
| WHITE AVERAGE | 105.5 | 75.8 | 88.9 | 22.5 | 77.4 | 30.6 |
| GRAND AVERAGE | 110.1 | 85.7 | 99.9 | 21.0 | 80.0 | 23.1 |
| LSD | | | 23.4 | 2.6 | 10.6 | 14.9 |
| C.V. | | | 17.5 | 6.8 | 9.9 | 48.3 |

TABLE 5.—ANNUAL SUMMARY, PRINCETON

| VARIETY | YIELD | YIELD | YIELD | AVG % | AVG % | XTOTAL % |
|---------------------|----------------|----------------|---------------|---------------|---------------|----------------|
| | BU/AC 81-83 | BU/AC 82-83 | BU/AC 1983 | MOIST 1983 | STAND 1983 | LODGED 1983 |
| YELLOW HYBRIDS | | | | | | |
| VORIS SEES V2631 | | 121.8 | 121.0 | 22.8 | 85.7 | 0.6 |
| CROW'S SL75 | | | 112.6 | 22.8 | 81.4 | 2.4 |
| DENNIS DS42 | 125.8 | 133.7 | 109.8 | 21.8 | 83.3 | 4.4 |
| JACQUES 8100 | | | 109.3 | 21.9 | 83.3 | 10.2 |
| SELECT SEED 8400 | 123.3 | 119.3 | 108.5 | 19.6 | 77.1 | 3.0 |
| AGRIGULO A-6865 | | | 107.6 | 23.5 | 89.5 | 3.9 |
| RING AROUND RA1505 | | | 102.6 | 21.7 | 77.6 | 3.7 |
| DENNIS DS37A | | | 101.7 | 18.9 | 86.2 | 4.3 |
| D&H DM7183 | | 116.4 | 101.5 | 23.2 | 81.9 | 8.0 |
| USS AG-CHEM USS7001 | | | 101.3 | 23.3 | 74.8 | 4.4 |
| SUPER CROST 6386 | | | 100.7 | 22.3 | 87.6 | 1.1 |
| PIONEER BRAND 3320 | 104.8 | 117.7 | 100.6 | 22.1 | 84.3 | 9.1 |
| JACOBI 6600 | | | 100.4 | 21.7 | 84.3 | 4.6 |
| JACQUES 8220 | | 119.5 | 100.2 | 23.5 | 83.3 | 2.5 |
| BECK'S 85KA | | | 98.9 | 21.8 | 81.4 | 5.4 |
| GOLDEN HARV. M2675 | | | 98.3 | 22.5 | 81.4 | 3.5 |
| SUPER CROST 6762 | | 132.2 | 97.7 | 23.9 | 83.3 | 5.1 |
| CARGILL 955 | | | 97.4 | 21.2 | 80.0 | 5.9 |
| PAYMASTER 8990 | | | 97.4 | 25.4 | 87.6 | 7.5 |
| AGRIGULO A-6910 | | 119.7 | 97.3 | 25.4 | 83.8 | 9.1 |
| STEWART 8973 | | | 96.8 | 22.2 | 80.5 | 9.4 |
| 80-JAC 674 | | 104.3 | 96.5 | 24.9 | 86.2 | 7.9 |
| O'S GOLD 2570 | | 128.9 | 96.4 | 22.5 | 87.6 | 3.8 |
| SELECT SEED 8990 | | | 96.2 | 22.3 | 87.1 | 5.5 |
| DENNIS DS49 | | 107.1 | 96.2 | 23.8 | 86.2 | 4.9 |
| P.A.G. SX354 | | | 96.1 | 23.6 | 86.2 | 2.7 |
| CARGILL 980 | | | 95.3 | 24.7 | 81.4 | 5.9 |
| D&H DM9120 | | | 95.1 | 23.9 | 75.2 | 3.2 |
| SELECT SEED 8900 | 127.0 | 127.2 | 94.4 | 22.2 | 89.5 | 4.7 |
| JACQUES 8400 | | | 94.0 | 23.5 | 85.2 | 5.0 |
| CAMPBELL C360 | | 112.7 | 93.8 | 21.5 | 86.2 | 1.7 |
| RUFF'S W334A | 115.7 | 113.0 | 93.4 | 22.8 | 81.0 | 8.7 |
| M017 X 873 | | | 93.3 | 20.9 | 81.0 | 4.2 |
| SD. STATES SS915 | 117.3 | 123.8 | 93.2 | 23.3 | 78.6 | 3.7 |
| PRINCETON SX860 | 108.4 | 110.0 | 92.9 | 23.5 | 82.4 | 3.5 |
| PIONEER BRAND 3194 | 110.8 | 108.8 | 92.4 | 24.1 | 84.3 | 0.6 |
| RING AROUND RA1502 | 117.9 | 117.2 | 92.1 | 22.0 | 81.0 | 2.3 |
| AGRIGULO A-6900 | 110.7 | 112.2 | 92.0 | 26.0 | 81.4 | 14.0 |
| SELECT SEED 9122 | | 116.2 | 91.3 | 21.8 | 81.4 | 2.8 |
| PREMIER SX539AB | | 119.0 | 91.0 | 24.1 | 82.9 | 4.1 |
| JACOBI 8800 | | | 90.7 | 23.3 | 81.4 | 5.3 |
| FUNK'S G-4669 | | | 90.4 | 20.9 | 79.0 | 7.3 |
| COLBERT 315 | 107.2 | 116.4 | 90.0 | 22.3 | 83.3 | 5.6 |
| DEKALB-PFIZER DK747 | | 127.5 | 89.6 | 23.2 | 77.1 | 5.5 |
| MCCURDY 8150 | 108.7 | 105.9 | 89.4 | 25.0 | 79.5 | 8.9 |
| 80-JAC 923 | 109.5 | 106.3 | 89.0 | 24.3 | 86.7 | 8.2 |
| PIONEER BRAND 3358 | | 108.7 | 88.9 | 22.7 | 84.8 | 5.7 |
| LEADER SX717 | | | 88.8 | 23.8 | 77.1 | 8.4 |
| SCOTT SEED LR880 | 110.8 | 107.5 | 88.6 | 21.9 | 84.3 | 12.3 |
| DEKALB-PFIZER XL71 | 98.4 | 106.9 | 88.4 | 24.7 | 84.8 | 2.3 |
| STAUFFER 88818 | | 104.1 | 88.3 | 24.1 | 82.9 | 10.7 |
| RUFF'S 4302 | | | 88.1 | 21.7 | 75.7 | 3.3 |
| CARGILL 967 | 108.3 | 116.4 | 87.7 | 22.1 | 76.2 | 4.5 |
| ADLERS 3015 | | | 87.5 | 19.4 | 84.3 | 5.9 |
| PAYMASTER 8951 | 118.2 | 123.3 | 87.5 | 25.1 | 85.2 | 7.5 |
| ADLERS 88X | 100.1 | 102.3 | 87.3 | 27.2 | 85.2 | 5.6 |
| CAMPBELL C755 | | | 87.1 | 22.4 | 92.9 | 4.1 |
| NAPB/MIGRO HP87 | 110.5 | 114.7 | 86.9 | 24.0 | 78.6 | 5.5 |
| SD. STATES SS811 | | | 86.8 | 23.3 | 82.9 | 2.9 |
| P.A.G. SX351 | 111.3 | 112.2 | 86.5 | 23.2 | 84.3 | 1.6 |
| SD. STATES SS910 | | | 86.3 | 22.0 | 77.6 | 8.3 |
| STEWART 6573 | | | 86.1 | 24.3 | 78.1 | 5.6 |
| RING AROUND RA1604 | 112.0 | 109.4 | 85.8 | 26.0 | 87.6 | 4.4 |
| COLBERT 340 | 118.7 | 114.8 | 85.6 | 23.5 | 78.1 | 8.5 |
| COLBERT 345 | 111.1 | 118.7 | 85.3 | 25.0 | 81.4 | 2.9 |
| SCOTT SEED LR888 | | | 84.5 | 21.1 | 81.4 | 4.7 |
| COKER 19A | 106.8 | 113.9 | 84.3 | 23.0 | 78.6 | 5.5 |
| AGRATECH GK968 | | | 84.2 | 25.6 | 72.9 | 4.1 |
| DENNIS DS650 | | | 84.2 | 20.7 | 81.9 | 6.5 |
| ZIMMEYMAN Z23Y | | | 84.2 | 23.1 | 86.7 | 7.8 |
| PIONEER BRAND 3389 | | | 84.1 | 21.2 | 89.5 | 2.7 |

TABLE 5.—PRINCETON (continued)

| VARIETY | YIELD | YIELD | YIELD | AVG % | AVG % | TOTAL % |
|------------------------|----------------|----------------|---------------|---------------|---------------|----------------|
| | BU/AC 81-83 | BU/AC 82-83 | BU/AC 1983 | MOIST 1983 | STAND 1983 | LOGGED 1983 |
| YELLOW HYBRIDS | | | | | | |
| STEWART SX77 | 105.7 | 113.9 | 84.1 | 20.7 | 80.0 | 8.9 |
| ASGROW RX777 | | 112.0 | 83.9 | 23.3 | 89.0 | 2.1 |
| PREMIER SX636 | 106.9 | 101.4 | 83.8 | 22.4 | 78.1 | 6.3 |
| D&H DH9113 | 114.8 | 107.3 | 63.8 | 25.6 | 82.9 | 7.5 |
| O'S GULO SX5509 | 103.5 | 102.4 | 83.7 | 24.6 | 79.0 | 5.9 |
| GOLDEN HARV. H2775A | 109.7 | 107.0 | 82.5 | 24.6 | 75.7 | 11.2 |
| SCOTT SEED LR103 | | | 82.4 | 20.6 | 81.4 | 7.1 |
| MCCURDY 84AA | 109.6 | 109.8 | 81.1 | 23.4 | 83.3 | 6.0 |
| COKER 22 | 108.1 | 106.6 | 80.6 | 25.4 | 82.9 | 9.1 |
| GOLDEN HARV. H2680 | 106.7 | 110.5 | 80.1 | 24.6 | 79.5 | 10.7 |
| BECK'S 90X | | 105.4 | 79.9 | 24.8 | 86.7 | 2.2 |
| H73 X PA91 | | | 79.8 | 26.6 | 74.3 | 4.6 |
| PRAIRIE STREAM SX730 | | | 79.8 | 21.8 | 87.6 | 3.7 |
| P.A.G. SX379 | | | 79.4 | 23.3 | 81.9 | 15.2 |
| AGRIGOLD A-5915 | | | 79.2 | 24.3 | 86.7 | 2.2 |
| AGRATECH GK925 | | | 78.9 | 27.2 | 83.8 | 4.5 |
| USS AG-CHEM USS2020 | 99.1 | 98.8 | 78.4 | 25.9 | 79.0 | 5.5 |
| GOLDEN AC. T-E 6998 | 106.6 | 100.3 | 78.2 | 25.8 | 78.1 | 11.1 |
| JACOBI CX91 | | | 78.2 | 25.2 | 81.0 | 9.4 |
| CUSTOM FM SEED CFSW222 | | | 77.5 | 21.9 | 81.4 | 4.7 |
| FUNK'S G-4733 | 96.4 | 98.9 | 77.5 | 26.6 | 77.6 | 3.0 |
| FUNK'S G-4522 | 104.7 | 107.1 | 77.0 | 24.4 | 77.6 | 9.4 |
| DEKALB-PFIZER DK789 | | | 76.5 | 25.8 | 80.0 | 1.2 |
| PRINCETON SX870 | 104.4 | 101.0 | 75.7 | 26.4 | 80.0 | 3.0 |
| GOLD TAG GT4022 | 98.7 | 100.1 | 75.1 | 22.5 | 78.6 | 7.9 |
| CAVERNDALE CF 6085 | | | 74.8 | 24.1 | 80.0 | 4.8 |
| GOLDEN AC. T-E 6995 | 106.6 | 104.7 | 74.5 | 22.8 | 71.9 | 10.5 |
| CROW'S 690 | | | 74.2 | 26.6 | 79.0 | 9.7 |
| ASGROW RX114 | | | 74.1 | 21.6 | 77.1 | 9.4 |
| COKER 21 | 103.0 | 98.8 | 73.8 | 26.6 | 81.4 | 7.5 |
| CUSTOM FM SEED CFSB000 | | | 73.8 | 24.9 | 81.0 | 12.3 |
| JACQUES JX247 | 103.9 | 107.0 | 72.8 | 27.5 | 86.7 | 9.8 |
| GOLDEN AC. T-E 6995A | | 109.9 | 72.4 | 22.8 | 84.8 | 3.9 |
| BIG "D" 6986 | | | 72.4 | 24.4 | 79.0 | 4.8 |
| ADLERS 7910 | | | 71.8 | 25.9 | 87.6 | 5.5 |
| STEWART 6973 | 100.6 | 96.3 | 70.9 | 24.0 | 88.6 | 15.6 |
| DEKALB-PFIZER T1230 | 103.4 | 104.3 | 69.8 | 25.4 | 90.0 | 15.4 |
| LEADER SX710 | | | 67.7 | 22.1 | 85.2 | 5.5 |
| SELEC1 SEED 9300 | 119.2 | 108.0 | 66.7 | 23.6 | 89.0 | 7.6 |
| ZIMMERMAN 226Y | | | 65.3 | 24.9 | 82.9 | 4.6 |
| GOLDEN HARV. H2686 | 106.3 | 102.2 | 65.0 | 27.0 | 69.0 | 8.6 |
| NORTHMAP-KING PX95 | 105.9 | 103.3 | 64.1 | 22.2 | 79.0 | 4.8 |
| VORIS SEEDS V2641 | 103.1 | 103.9 | 62.4 | 23.2 | 83.3 | 7.0 |
| BO-JAC 9332 | | | 62.1 | 24.1 | 81.4 | 7.1 |
| SUPER CRUST 7801 | 97.9 | 88.5 | 61.2 | 24.7 | 86.7 | 10.5 |
| YELLOW AVERAGE | 108.7 | 110.7 | 66.5 | 23.5 | 82.2 | 6.1 |
| WHITE HYBRIDS | | | | | | |
| RING AROUND RA2606W | | | 79.9 | 26.4 | 86.7 | 11.4 |
| WHITE SEEDS MV78 | 92.4 | 79.7 | 78.1 | 24.9 | 79.0 | 4.2 |
| P.A.G. SX70W | | 89.9 | 78.1 | 25.4 | 81.4 | 18.7 |
| WHITE SEEDS MV68 | | | 76.0 | 24.1 | 87.1 | 5.6 |
| DEKALB-PFIZER XL390B | 96.4 | 99.9 | 74.9 | 23.6 | 81.0 | 8.6 |
| WHITE SEEDS MV55 | | | 74.7 | 25.5 | 89.0 | 2.1 |
| ZIMMERMAN 214W | 95.6 | 87.5 | 73.7 | 24.2 | 86.2 | 5.4 |
| SO. STATES SS950W | 104.3 | 102.9 | 72.5 | 27.3 | 76.2 | 5.0 |
| ASGROW RX962W | 94.0 | 87.6 | 72.1 | 28.9 | 73.3 | 8.5 |
| COKER 833W | | | 71.8 | 27.4 | 89.0 | 6.6 |
| WHITE SEEDS MV88 | | 87.8 | 70.8 | 24.0 | 83.8 | 4.6 |
| ZIMMERMAN 211W | 98.7 | 94.0 | 69.3 | 25.1 | 83.3 | 8.6 |
| RING AROUND RA3605W | 101.1 | 90.6 | 66.5 | 25.8 | 82.9 | 13.5 |
| FUNK'S G-4779W | | 84.9 | 65.6 | 26.4 | 85.7 | 2.8 |
| RING AROUND RA2602W | 96.8 | 95.2 | 58.8 | 26.1 | 79.0 | 4.2 |
| ZIMMERMAN 252W | 89.4 | 86.1 | 54.9 | 26.9 | 84.8 | 11.2 |
| WHITE AVERAGE | 94.3 | 90.5 | 71.1 | 25.7 | 83.0 | 7.6 |
| GRAND AVERAGE | 106.4 | 107.6 | 84.7 | 23.8 | 82.3 | 6.3 |
| LSD | | | 16.5 | 2.9 | 8.2 | 6.1 |
| C.V. | | | 14.6 | 8.9 | 7.5 | 72.0 |

TABLE 6.—ANNUAL SUMMARY, SEBREE

| VARIETY | YIELD | YIELD | YIELD | AVG % | AVG % | TOTAL % | |
|------------------------|----------------|----------------|---------------|---------------|---------------|----------------------|-----|
| | BU/AC 81-83 | BU/AC 82-83 | BU/AC 1983 | MOIST 1983 | MOIST 1983 | STAND LOGGED 1983 | |
| YELLOW HYBRIDS | | | 172.8 | 20.1 | 90.5 | 2.1 | |
| CARGILL 980 | | | 163.0 | 20.9 | 81.0 | 0.0 | |
| PAYMASTER 8990 | | | 157.3 | 21.3 | 78.1 | 3.1 | |
| ZIMMERMANN Z23Y | | | 155.0 | 18.4 | 83.3 | 0.5 | |
| DENNIS JS42 | 159.0 | 168.5 | 151.0 | 18.8 | 86.7 | 0.0 | |
| PIONEER BRAND 3389 | | | 149.6 | 20.5 | 80.0 | 3.7 | |
| SO. STATES SS915 | 153.4 | 160.6 | 149.4 | 19.6 | 76.2 | 0.7 | |
| O'S GOLD 2570 | | | 160.4 | 148.7 | 21.9 | 73.3 | 0.0 |
| COLBERT 345 | 175.1 | 176.8 | 147.2 | 20.2 | 75.7 | 1.9 | |
| D&H DM7183 | | | 163.9 | 20.0 | 84.8 | 2.9 | |
| PIONEER BRAND 3320 | 148.2 | 158.0 | 146.8 | 21.8 | 81.9 | 0.0 | |
| BECK'S 90X | | | 143.2 | 20.3 | 79.5 | 1.9 | |
| PAYMASTER 8951 | 159.3 | 160.3 | 145.1 | 20.1 | 82.9 | 0.7 | |
| CROW'S SL75 | | | 145.1 | 21.0 | 83.3 | 1.8 | |
| MCCURDY 844A | 166.6 | 178.4 | 144.7 | 20.3 | 82.4 | 1.8 | |
| JACOBI 8800 | | | 144.4 | 20.9 | 77.6 | 2.5 | |
| LEADER SX717 | | 156.0 | 143.5 | 20.9 | 77.6 | 1.8 | |
| BO-JAC 674 | | 156.4 | 141.9 | 18.9 | 79.0 | 0.6 | |
| SUPER CRUST 6762 | | | 141.6 | 20.7 | 76.7 | 0.6 | |
| MCCURDY 8150 | 166.4 | 172.1 | 141.6 | 22.6 | 82.4 | 1.1 | |
| JACOBI CX91 | | | 141.4 | 19.1 | 81.9 | 5.4 | |
| FUNK'S G-4733 | 149.7 | 147.1 | 141.3 | 22.0 | 77.1 | 1.3 | |
| JACQUES 8220 | | 155.5 | 140.6 | 20.6 | 77.1 | 1.2 | |
| JACOBI 8600 | | | 140.4 | 19.5 | 79.5 | 0.0 | |
| AGRATECH GK925 | | | 140.1 | 20.6 | 82.9 | 1.6 | |
| P.A.G. SX354 | | | 139.8 | 20.4 | 85.2 | 0.0 | |
| O'S GOLD SX5509 | 155.1 | 164.4 | 139.7 | 21.3 | 76.2 | 1.4 | |
| JACQUES 8400 | | | 138.2 | 20.9 | 79.5 | 1.2 | |
| SELECT SEED 8400 | 151.7 | 157.9 | 137.9 | 20.0 | 79.0 | 7.2 | |
| GOLD TAG GT4022 | 162.9 | 172.2 | 137.3 | 20.4 | 80.0 | 2.5 | |
| RING AROUND RA1604 | 157.7 | 170.5 | 137.1 | 21.5 | 76.2 | 0.0 | |
| SCOTT SEED LRA88 | | | 136.6 | 21.3 | 75.7 | 1.9 | |
| COLBERT 340 | 154.8 | 158.5 | 136.4 | 20.3 | 77.1 | 0.0 | |
| CAMPBELL C950 | | 165.5 | 135.7 | 19.0 | 79.0 | 1.3 | |
| AGRIGULD A-6910 | | 158.9 | 135.5 | 20.4 | 76.2 | 3.1 | |
| AGRATECH GK869 | | | 135.3 | 20.8 | 72.4 | 0.6 | |
| BECK'S 45XA | | | 135.3 | 21.7 | 74.3 | 0.0 | |
| SO. STATES SS811 | | | 135.2 | 20.8 | 81.0 | 0.6 | |
| RUFF'S R334A | 149.9 | 156.5 | 135.1 | 20.7 | 82.9 | 4.5 | |
| COLBERT 315 | 157.7 | 169.1 | 134.6 | 21.0 | 86.2 | 7.9 | |
| RING AROUND RA1505 | | | 134.0 | 18.2 | 75.7 | 3.2 | |
| USS AG-CHEM USS2020 | 157.4 | 166.4 | 133.9 | 20.4 | 79.0 | 1.8 | |
| LEADER SX710 | | | 133.3 | 17.2 | 78.1 | 0.6 | |
| GOLDEY AC. T-E 6795 | 145.7 | 153.3 | 133.0 | 19.6 | 83.3 | 1.4 | |
| ADLER'S 88X | 158.2 | 167.7 | 132.3 | 20.3 | 79.5 | 3.5 | |
| COKER 19A | 145.3 | 145.1 | 132.1 | 20.6 | 71.4 | 0.7 | |
| PIONEER BRAND 3184 | 144.0 | 151.0 | 131.2 | 20.6 | 73.3 | 0.0 | |
| JACQUES 8100 | | | 131.0 | 19.6 | 79.5 | 0.7 | |
| DEKALB-PFIZER DK747 | | 165.0 | 130.6 | 20.5 | 70.5 | 1.1 | |
| USS AG-CHEM USS7001 | | | 130.4 | 18.7 | 74.8 | 1.2 | |
| CUSTOM FM SEED CFS4222 | | | 130.3 | 18.1 | 78.1 | 4.2 | |
| DENNIS DS37A | | | 130.1 | 19.4 | 87.1 | 0.6 | |
| MO17 X 873 | | | 129.5 | 18.9 | 69.5 | 0.6 | |
| CUSTOM FM SEED CFS5000 | | | 129.0 | 19.4 | 83.8 | 3.5 | |
| GOLDEN HARV. H2775A | 141.3 | 137.1 | 128.3 | 20.5 | 74.8 | 10.8 | |
| PIONEER BRAND 3358 | | 148.1 | 127.8 | 18.9 | 78.6 | 0.6 | |
| CROW'S 690 | | | 127.7 | 21.5 | 73.3 | 1.5 | |
| PREMIER SX636 | 154.0 | 148.3 | 127.7 | 21.7 | 74.3 | 1.8 | |
| AGRIGULD A-6865 | | | 127.6 | 21.3 | 73.8 | 1.9 | |
| RING AROUND RA1502 | 146.5 | 146.9 | 126.3 | 20.4 | 65.2 | 0.0 | |
| P.A.G. SX379 | | | 126.0 | 22.0 | 81.0 | 4.1 | |
| DENNIS OS49 | | 144.6 | 125.9 | 20.4 | 82.4 | 0.0 | |
| 873 X PA91 | | | 125.0 | 20.9 | 72.4 | 0.0 | |
| PRINCETON SX860 | 139.2 | 141.5 | 124.2 | 19.4 | 83.3 | 1.1 | |
| SUPER CRUST 7801 | 150.4 | 156.8 | 124.1 | 20.8 | 79.0 | 3.1 | |
| SUPER CRUST 6386 | | | 123.5 | 19.9 | 78.6 | 0.0 | |
| FUNK'S G-4522 | 141.3 | 146.4 | 123.2 | 18.7 | 77.1 | 2.4 | |
| DEKALB-PFIZER XL71 | 153.2 | 157.1 | 122.9 | 19.6 | 81.4 | 1.2 | |
| ASGROW 4X777 | | | 122.7 | 19.4 | 73.8 | 3.2 | |
| PREMIER SX6394B | | | 122.1 | 21.1 | 73.3 | 2.6 | |
| SCOTT SEED LRA80 | 152.7 | 164.7 | 121.3 | 21.6 | 81.0 | 4.2 | |
| STEWART 6373 | | | 121.2 | 20.0 | 77.1 | 5.4 | |

TABLE 6.—SEBREE (continued)

| VARIETY | YIELD | YIELD | YIELD | AVG % | AVG % | TOTAL % |
|----------------------|----------------|----------------|---------------|---------------|---------------|----------------|
| | RJ/AC 81-83 | BU/AC 82-83 | HU/AC 1983 | MOIST 1983 | STAND 1983 | LODGED 1983 |
| YELLOW HYBRIDS | | | | | | |
| P.A.G. SX351 | 154.1 | 163.5 | 120.9 | 18.7 | 82.4 | 1.7 |
| AGRIGULO A-6900 | 155.8 | 163.1 | 120.0 | 19.5 | 80.0 | 4.7 |
| STEWART SX77 | 139.0 | 139.1 | 119.4 | 20.6 | 77.6 | 2.0 |
| BO-JAC 923 | 153.7 | 160.7 | 119.2 | 20.3 | 82.4 | 2.9 |
| JACQUES JX247 | 158.1 | 157.2 | 119.1 | 20.9 | 70.5 | 1.2 |
| HUFF'S R302 | | | 117.9 | 20.0 | 81.4 | 2.4 |
| SELECT SEED 8900 | 147.4 | 147.2 | 117.0 | 19.6 | 72.4 | 0.7 |
| D&H DM9120 | | | 117.0 | 19.9 | 67.1 | 0.9 |
| NAPB/MIGRO HP87 | 149.0 | 163.1 | 116.2 | 21.0 | 77.1 | 9.6 |
| CARGILL 967 | 142.5 | 151.8 | 116.1 | 18.3 | 78.6 | 2.5 |
| COKEK 22 | 138.0 | 145.5 | 115.7 | 20.1 | 79.5 | 3.2 |
| NORTHUP-KING PX95 | 155.9 | 145.5 | 115.7 | 20.9 | 86.7 | 8.1 |
| GOLDEN HARV. H2675 | | | 115.3 | 20.1 | 62.4 | 0.0 |
| SELECT SEED 9122 | | 150.6 | 114.9 | 19.8 | 68.1 | 0.0 |
| VORIS SEEDS V2631 | | 141.4 | 113.8 | 18.8 | 82.4 | 0.0 |
| D&H DM9113 | 142.3 | 148.2 | 113.4 | 20.3 | 81.0 | 1.1 |
| BO-JAC 9332 | | | 113.2 | 20.9 | 73.8 | 0.7 |
| PRAIRIE STREAM SX730 | | | 112.7 | 19.6 | 81.0 | 0.0 |
| STEWART 6973 | 149.3 | 159.2 | 111.9 | 21.8 | 74.3 | 1.8 |
| GOLDEN HARV. H2680 | 143.9 | 148.0 | 111.1 | 21.6 | 84.8 | 5.2 |
| DEKALB-PFIZER T1230 | 142.3 | 147.3 | 111.0 | 19.8 | 79.5 | 1.8 |
| CARGILL 955 | | | 110.9 | 20.7 | 73.3 | 0.6 |
| GOLDEN AC. T-E 6993 | 146.4 | 140.8 | 110.1 | 19.6 | 73.8 | 7.9 |
| CAMPBELL C755 | | | 109.4 | 19.4 | 66.7 | 0.0 |
| SO. STATES SS910 | | | 108.9 | 22.0 | 76.2 | 1.2 |
| SELECT SEED 9300 | 147.5 | 151.5 | 107.9 | 20.8 | 81.4 | 1.1 |
| GOLDEN HARV. H2696 | 149.4 | 151.2 | 107.4 | 22.2 | 61.4 | 7.9 |
| ASGROW KX114 | | | 106.9 | 19.8 | 80.0 | 7.9 |
| FUNK'S G-4669 | | | 106.8 | 21.2 | 74.8 | 3.3 |
| PRINCETON SX870 | 147.6 | 149.7 | 106.7 | 21.0 | 73.8 | 3.3 |
| STAUFFER S8818 | | 162.0 | 106.4 | 20.7 | 78.6 | 1.8 |
| ADLENS 3015 | | | 106.2 | 19.2 | 66.2 | 0.0 |
| ZIMMERMANN Z26Y | | | 105.5 | 21.3 | 86.2 | 1.6 |
| COKEK 21 | 145.0 | 148.9 | 105.4 | 20.5 | 79.0 | 2.9 |
| AGRIGULO A-6915 | | | 105.0 | 19.1 | 82.9 | 0.6 |
| VORIS SEEDS V2641 | 149.0 | 150.3 | 103.9 | 20.8 | 78.1 | 4.9 |
| SCOTT SEED L9103 | | | 103.1 | 19.1 | 77.1 | 1.3 |
| GOLDEN AC. T-E 6995A | | 131.1 | 103.1 | 17.4 | 72.9 | 2.1 |
| DEKALB-PFIZER DK789 | | | 101.8 | 21.8 | 71.4 | 0.0 |
| SELECT SEED 8990 | | | 101.5 | 20.5 | 71.4 | 0.6 |
| STEWART 8973 | | | 100.3 | 19.6 | 59.0 | 1.4 |
| BIG "J" 6985 | | | 96.9 | 21.4 | 57.6 | 4.3 |
| CAVERNDALE CF 6065 | | | 94.1 | 21.4 | 71.4 | 0.0 |
| DENNIS DS550 | | | 92.4 | 20.0 | 63.8 | 0.0 |
| ADLENS 7910 | | | 89.5 | 21.6 | 85.2 | 1.1 |
| YELLOW AVERAGE | 151.1 | 155.4 | 125.8 | 20.3 | 77.1 | 2.1 |
| WHITE HYBRIDS | | | | | | |
| WHITE SEEDS MV5A | | | 151.1 | 20.5 | 86.7 | 2.1 |
| ZIMMERMANN Z14W | 153.3 | 159.5 | 131.7 | 21.3 | 81.4 | 11.9 |
| ZIMMERMANN Z11W | 152.5 | 153.2 | 128.5 | 22.1 | 84.3 | 12.0 |
| RING AROUND RA2606W | | | 123.9 | 23.8 | 79.0 | 5.3 |
| RING AROUND RA3605W | 143.8 | 139.1 | 122.4 | 21.7 | 62.9 | 2.9 |
| SO. STATES SS950W | 149.8 | 149.8 | 119.8 | 22.2 | 74.8 | 5.8 |
| WHITE SEEDS 4V8A | | | 125.2 | 21.9 | 70.0 | 11.8 |
| RING AROUND RA2502W | 150.6 | 152.5 | 116.8 | 23.7 | 82.9 | 10.1 |
| WHITE SEEDS 4V7A | 143.4 | 139.3 | 112.2 | 22.3 | 61.4 | 4.6 |
| FUNK'S G-4779W | | 146.3 | 107.1 | 21.5 | 71.4 | 7.4 |
| P.A.G. SX70W | | 133.5 | 106.7 | 22.2 | 74.3 | 17.5 |
| COKEK B33W | | | 106.6 | 21.8 | 74.8 | 12.5 |
| WHITE SEEDS 4V6A | | | 106.0 | 21.1 | 73.8 | 0.0 |
| DEKALB-PFIZER XL390A | 149.1 | 141.3 | 105.0 | 21.3 | 71.9 | 14.4 |
| ZIMMERMANN Z52W | 150.6 | 140.9 | 104.1 | 22.2 | 77.1 | 17.5 |
| ASGROW KX962W | 142.6 | 134.5 | 86.6 | 22.8 | 67.6 | 7.4 |
| WHITE AVERAGE | 148.4 | 143.3 | 115.4 | 22.0 | 74.6 | 9.0 |
| GRAND AVERAGE | 150.7 | 153.5 | 124.6 | 20.5 | 76.8 | 2.9 |
| LSD | | | 23.0 | 1.6 | 10.5 | 5.3 |
| C.V. | | | 13.7 | 5.8 | 10.1 | 134.6 |

TABLE 7.—ANNUAL SUMMARY, ELKTON

| VARIETY | YIELD | YIELD | YIELD | AVG % | AVG % | AVG % |
|------------------------|----------------|----------------|---------------|---------------|---------------|----------------|
| | BU/AC 81-83 | BU/AC 82-83 | BU/AC 1983 | MOIST 1983 | STAND 1983 | LODGED 1983 |
| YELLOW HYBRIDS | | | 116.0 | 22.7 | 91.0 | 4.1 |
| AGRIGULD A-5865 | | | 114.6 | 22.4 | 81.4 | 3.6 |
| LEADER SX717 | | 138.5 | 114.1 | 22.6 | 86.7 | 3.8 |
| O'S GULD 2570 | 139.7 | 137.6 | 112.7 | 22.2 | 86.2 | 0.0 |
| COLBERT 315 | | | 107.1 | 22.8 | 81.4 | 4.6 |
| CROW'S SL75 | | | 105.1 | 23.5 | 79.5 | 22.0 |
| GOLDEN HARV. H2675 | | 128.7 | 104.1 | 23.3 | 83.8 | 0.5 |
| JACQUES 8220 | | 140.8 | 103.8 | 22.8 | 87.6 | 0.6 |
| DENNIS DS42 | 138.6 | | 99.9 | 22.6 | 92.4 | 0.0 |
| CAMPBELL C755 | | | 99.9 | 23.8 | 86.2 | 3.0 |
| FUNK'S G-4733 | 130.6 | 122.6 | 98.4 | 23.5 | 77.6 | 2.6 |
| NORTHUP-KING PX95 | 131.2 | 111.8 | 97.8 | 21.5 | 85.2 | 0.6 |
| SELECT SEED 8400 | 139.0 | 130.2 | 96.9 | 23.8 | 82.4 | 1.7 |
| JACQUES 8400 | | 127.3 | 96.8 | 20.7 | 77.1 | 4.9 |
| DEKALB-PFIZER DK747 | | 112.5 | 96.7 | 23.7 | 85.2 | 3.4 |
| VORIS SEEDS V2631 | | | 95.9 | 22.5 | 86.2 | 7.1 |
| P.A.G. SX354 | | | 94.7 | 21.1 | 88.1 | 8.3 |
| JACOBI 8800 | | | 94.6 | 21.1 | 77.6 | 1.8 |
| STEWART 8973 | | | 94.0 | 24.4 | 85.7 | 4.5 |
| AGRIGULD A-6900 | 142.2 | 129.3 | 94.0 | 23.7 | 88.1 | 0.5 |
| COKER 21 | 130.7 | 114.0 | 93.7 | 22.8 | 79.0 | 8.3 |
| COLBERT 340 | 139.8 | 127.8 | 92.3 | 23.1 | 82.9 | 8.5 |
| SELECT SEED 9300 | 126.8 | 113.0 | 92.2 | 22.4 | 87.6 | 3.8 |
| SCOTT SEED LR98A | | | 91.4 | 22.4 | 87.6 | 3.0 |
| PIONEER BRAND 3184 | 138.1 | 121.0 | 91.3 | 25.1 | 83.3 | 4.4 |
| BECK'S 85XA | | 121.4 | 91.0 | 22.3 | 81.0 | 0.7 |
| RUFF'S R334A | 134.9 | | 90.5 | 21.9 | 81.0 | 0.5 |
| D&H D-7183 | | 122.8 | 90.4 | 22.3 | 80.0 | 2.2 |
| USS AG-CHEM USS7001 | | | 89.6 | 22.0 | 89.0 | 6.9 |
| CUSTOM FM SEED CFS9000 | | | 89.4 | 23.8 | 81.0 | 3.0 |
| SUPER CROST 6386 | | | 89.3 | 23.5 | 85.7 | 0.5 |
| COLBERT 345 | 134.2 | 117.8 | 89.0 | 23.7 | 85.2 | 5.7 |
| PIONEER BRAND 3320 | 130.1 | 125.6 | 88.7 | 23.6 | 77.6 | 11.3 |
| JACOBI 6600 | | | 88.2 | 20.9 | 82.9 | 5.4 |
| PRINCETON SX860 | 121.2 | 117.1 | 88.2 | 22.8 | 89.0 | 2.3 |
| P.A.G. SX379 | | | 88.1 | 23.6 | 77.6 | 3.1 |
| PAYMASTER 8990 | | | 87.2 | 23.9 | 82.4 | 16.5 |
| CAVERNDALE CF 6065 | | | 87.1 | 23.2 | 80.5 | 7.8 |
| DEKALB-PFIZER T1230 | 134.6 | 116.0 | 86.8 | 25.9 | 87.1 | 10.5 |
| GOLD TAG ST4022 | 128.9 | 115.9 | 86.8 | 24.4 | 86.7 | 0.0 |
| ZIMMERMANN Z26Y | | | 86.7 | 24.2 | 83.3 | 5.6 |
| CARGILL 940 | | | 86.6 | 25.5 | 83.3 | 6.0 |
| NAPP/VIRO HP87 | 135.7 | 123.5 | 86.6 | 22.7 | 84.3 | 7.7 |
| BO-JAC 674 | | 114.1 | 86.4 | 22.3 | 76.7 | 7.2 |
| ADLENS 5015 | | 118.3 | 86.1 | 22.7 | 77.6 | 0.0 |
| CAMPBELL C960 | | | 85.9 | 21.2 | 80.5 | 3.3 |
| DEKALB-PFIZER DK747 | | 121.5 | 85.5 | 26.7 | 87.6 | 2.2 |
| SUPER CROST 6762 | | 116.0 | 85.4 | 23.3 | 82.9 | 0.0 |
| BECK'S 90X | | | 85.3 | 25.2 | 87.6 | 1.0 |
| ADLENS 7910 | | 108.8 | 85.2 | 21.3 | 86.2 | 2.8 |
| MCCURDY 844A | 121.8 | | 84.8 | 21.8 | 86.2 | 1.1 |
| MO17 X 873 | | | 84.4 | 22.3 | 83.8 | 5.4 |
| ZIMMERMANN Z23Y | | 116.4 | 84.5 | 24.0 | 78.6 | 0.6 |
| SELECT SEED 9122 | | 119.5 | 83.1 | 22.0 | 76.7 | 4.7 |
| GOLDEN HARV. H2775A | 129.1 | | 83.0 | 23.8 | 73.3 | 13.6 |
| SO. SLATER SS910 | | 128.5 | 82.9 | 23.4 | 87.6 | 5.7 |
| SELECT SEED 8990 | 140.2 | | 82.6 | 22.1 | 82.4 | 2.7 |
| D&H DM9113 | 129.2 | 113.5 | 82.5 | 22.3 | 84.3 | 2.8 |
| SUPER CROST 7801 | 138.4 | 118.3 | 82.4 | 22.2 | 85.7 | 9.2 |
| RING AROUND RA1505 | | | 82.1 | 21.7 | 81.9 | 15.4 |
| DENNIS DS44 | | 103.7 | 82.0 | 23.9 | 79.0 | 2.3 |
| SCOTT SEED LR103 | | 125.9 | 81.5 | 22.4 | 81.0 | 0.6 |
| STEWART SX77 | 139.0 | | 81.2 | 22.2 | 78.2 | 20.4 |
| O'S GULD SX5509 | 131.7 | 116.2 | 80.8 | 22.9 | 81.9 | 6.6 |
| JACQUES 8100 | | 114.3 | 80.7 | 22.4 | 83.3 | 7.2 |
| VORIS SEEDS V2641 | 135.3 | | 80.7 | 23.3 | 84.8 | 7.1 |
| JACOBI CX91 | | 109.4 | 80.2 | 24.5 | 79.0 | 18.3 |
| COKER 22 | 126.4 | 109.4 | 79.8 | 24.1 | 83.3 | 21.9 |
| GOLDEN AC. T-E 699B | 134.9 | 117.4 | 79.8 | 22.7 | 75.7 | 1.1 |
| PAYMASTER 8991 | 140.1 | 123.7 | 79.6 | 23.2 | 87.1 | 1.1 |
| HUFF'S R302 | | | 79.4 | 23.0 | 84.3 | 18.4 |
| CROW'S 690 | | | 79.4 | 24.5 | 80.5 | 6.5 |

TABLE 7.—ELKTON (continued)

| VARIETY | YIELD BU/AC 81-83 | YIELD BU/AC 82-83 | YIELD BU/AC 1983 | AVG % MOIST 1983 | AVG % STAND 1983 | TOTAL % LOADED 1983 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|---------------------------|
| YELLOW HYBRIDS | | | | | | |
| COKER 19A | 123.8 | 114.9 | 78.9 | 23.1 | 88.1 | 16.6 |
| STEWART 6973 | 129.0 | 115.3 | 78.8 | 23.5 | 85.7 | 8.2 |
| O&H DM9120 | | | 78.6 | 23.4 | 79.0 | 1.1 |
| RING AROUND RA1502 | 135.3 | 123.5 | 78.2 | 23.4 | 79.0 | 1.9 |
| CARGILL 967 | 129.4 | 117.9 | 77.7 | 22.2 | 81.0 | 0.7 |
| GOLDEN HARV. H2686 | 129.0 | 115.5 | 77.6 | 23.6 | 74.8 | 5.3 |
| CUSTOM FM SEED CFS#222 | | | 77.5 | 21.8 | 79.0 | 27.1 |
| SELECT SEED 8990 | | | 76.8 | 23.6 | 83.8 | 13.8 |
| BO-JAC 923 | 136.6 | 106.0 | 76.8 | 23.4 | 91.4 | 6.1 |
| PIONEER BRAND 3358 | | 113.7 | 76.7 | 21.2 | 77.6 | 2.2 |
| LEADER SX710 | | | 76.6 | 20.5 | 80.5 | 1.2 |
| CARGILL 955 | | | 76.2 | 22.7 | 82.9 | 1.3 |
| ADLERS 88X | 129.9 | 108.7 | 76.2 | 24.9 | 84.3 | 4.5 |
| STAUFFER S881A | | 118.6 | 75.5 | 22.2 | 80.0 | 3.4 |
| ASGROW RX114 | | | 75.4 | 22.6 | 85.2 | 4.9 |
| RING AROUND RA1604 | 126.1 | 114.8 | 75.2 | 22.7 | 74.3 | 1.7 |
| BO-JAC 9332 | | | 74.7 | 23.5 | 76.7 | 4.4 |
| PIONEER BRAND 3389 | | | 74.7 | 22.7 | 88.1 | 1.6 |
| DENNIS DS37A | | | 74.4 | 21.8 | 84.3 | 8.2 |
| AGRIGOLD A-6915 | | | 74.2 | 23.2 | 88.1 | 3.2 |
| PREMIER SX636 | 136.9 | 115.5 | 74.1 | 25.1 | 81.9 | 1.2 |
| FUNK'S G-4669 | | | 73.9 | 23.2 | 82.9 | 17.1 |
| SO. STATES SS915 | 111.6 | 101.3 | 73.3 | 23.3 | 86.2 | 20.2 |
| SCOTT SEED LR880 | 126.3 | 110.6 | 73.3 | 23.5 | 85.7 | 6.0 |
| STEWART 6573 | | | 72.6 | 22.5 | 80.5 | 10.5 |
| JACQUES JX247 | 134.3 | 126.0 | 72.1 | 24.3 | 76.7 | 9.0 |
| PRINCETON SX870 | 131.4 | 118.4 | 71.4 | 24.9 | 84.8 | 9.1 |
| P.A.G. SX351 | 127.6 | 113.0 | 71.3 | 22.0 | 84.3 | 0.0 |
| PRAIRIE STREAM SX730 | | | 70.8 | 24.3 | 80.5 | 0.7 |
| GOLDEN HARV. H2680 | 130.4 | 110.6 | 69.1 | 23.9 | 81.0 | 5.4 |
| GOLDEN AC. T-E 6995 | 117.2 | 115.9 | 67.4 | 21.9 | 67.1 | 10.1 |
| PREMIER SX639A8 | | 115.6 | 67.4 | 23.3 | 81.4 | 5.8 |
| USS AG-CHEM USS2020 | 127.5 | 104.0 | 67.0 | 21.5 | 81.9 | 15.3 |
| B73 X PA91 | | | 66.7 | 22.7 | 78.6 | 17.8 |
| AGRATECH SX868 | | | 66.2 | 22.8 | 74.3 | 12.5 |
| AGRATECH SX925 | | | 66.1 | 24.9 | 79.5 | 23.0 |
| FUNK'S G-4522 | 133.8 | 116.8 | 65.0 | 22.3 | 79.5 | 13.8 |
| ASGROW RX777 | | 101.5 | 62.7 | 22.8 | 78.1 | 32.1 |
| SO. STATES SS811 | | | 61.1 | 23.0 | 73.8 | 5.1 |
| GOLDEN AC. T-E 6995A | | 95.2 | 59.5 | 23.3 | 77.6 | 0.7 |
| AGRIGOLD A-6910 | | 105.1 | 59.1 | 23.2 | 84.8 | 37.5 |
| MCCURDY B150 | 129.7 | 112.8 | 58.6 | 23.7 | 85.7 | 54.0 |
| BIG "J" 6986 | | | 55.4 | 22.7 | 59.0 | 20.7 |
| DEKALB-PFIZER XL71 | 120.3 | 103.8 | 42.9 | 23.2 | 81.9 | 42.3 |
| DENNIS DS550 | | | 40.6 | 23.8 | 76.7 | 30.0 |
| YELLOW AVERAGE | 131.4 | 117.2 | 82.3 | 23.0 | 82.0 | 7.8 |
| WHITE HYBRIDS | | | | | | |
| ZIMMERMAN Z14W | 125.7 | 104.9 | 79.5 | 25.4 | 82.9 | 2.3 |
| COKER 833W | | | 74.5 | 24.1 | 75.7 | 2.3 |
| DEKALB-PFIZER XL390B | 123.1 | 102.4 | 71.3 | 23.8 | 81.9 | 0.5 |
| WHITE SEEDS MV78 | 117.8 | 98.5 | 71.2 | 24.9 | 70.0 | 4.0 |
| ZIMMERMAN Z11W | 112.0 | 95.7 | 68.3 | 25.7 | 81.4 | 0.0 |
| ZIMMERMAN Z52W | 121.5 | 101.8 | 67.4 | 24.6 | 84.8 | 1.6 |
| RING AROUND RA2602W | 115.7 | 104.1 | 63.4 | 25.2 | 84.8 | 4.0 |
| SO. STATES SS950W | 119.3 | 109.2 | 62.8 | 26.4 | 78.1 | 4.7 |
| WHITE SEEDS MV58 | | | 59.8 | 22.4 | 81.9 | 4.2 |
| FUNK'S G-4779W | | 102.4 | 59.3 | 25.1 | 85.7 | 4.1 |
| WHITE SEEDS MV68 | | | 58.4 | 26.2 | 81.9 | 22.9 |
| ASGROW RX962W | 113.5 | 94.0 | 57.9 | 26.0 | 78.1 | 2.4 |
| WHITE SEEDS MV88 | | 86.4 | 57.3 | 25.7 | 80.0 | 6.4 |
| RING AROUND RA2606W | | | 55.1 | 24.2 | 81.9 | 2.3 |
| P.A.G. SX70W | | 95.6 | 55.1 | 24.2 | 80.0 | 20.0 |
| RING AROUND RA3605W | 109.7 | 91.7 | 49.5 | 25.0 | 79.5 | 1.4 |
| WHITE AVERAGE | 117.5 | 98.9 | 63.3 | 24.9 | 80.5 | 5.2 |
| GRAND AVERAGE | 129.2 | 114.4 | 80.0 | 23.3 | 81.8 | 7.5 |
| LSD | | | 21.2 | 2.1 | 9.1 | 14.6 |
| C.V. | | | 19.8 | 6.6 | 8.2 | 145.4 |

TABLE 8.—ANNUAL SUMMARY, NON-VIRUS LOCATIONS, 1983

| VARIETY | YIELD | AVG % | AVG % | TOTAL % |
|------------------------|---------------|---------------|---------------|----------------|
| | BU/AC 1983 | MOIST 1983 | STAND 1983 | LODGED 1983 |
| YELLOW HYBRIDS | 120.0 | 21.1 | 83.8 | 7.2 |
| DENNIS DS42 | 119.8 | 22.2 | 83.5 | 6.3 |
| AGRIGOLD A-6865 | 119.2 | 20.9 | 83.6 | 9.7 |
| O'S GOLD 2570 | 117.5 | 22.7 | 83.2 | 7.5 |
| PAYMASTER 8990 | 116.6 | 20.2 | 80.8 | 8.5 |
| SELECT SEED 8400 | 116.2 | 21.3 | 82.1 | 7.1 |
| CROW'S SL75 | 115.0 | 22.6 | 86.1 | 9.7 |
| CARGILL 990 | 114.7 | 22.3 | 80.0 | 8.4 |
| LEADER SX717 | 113.5 | 21.5 | 84.4 | 5.5 |
| COLBERT 315 | 113.5 | 21.7 | 80.4 | 7.7 |
| D&H D-47183 | 113.2 | 22.3 | 82.0 | 5.5 |
| JACQUES 8220 | 112.7 | 20.3 | 82.0 | 8.0 |
| JACOBI 6600 | 111.5 | 22.2 | 82.1 | 5.9 |
| JACQUES 8400 | 111.4 | 21.0 | 80.5 | 10.7 |
| JACQUES 8100 | 110.4 | 20.7 | 80.9 | 5.2 |
| CAMPBELL C960 | 109.6 | 22.8 | 80.1 | 11.2 |
| ZIMMERMAN 223Y | 109.6 | 21.6 | 80.4 | 11.4 |
| PIONEER BRAND 3320 | 109.6 | 22.4 | 80.7 | 13.7 |
| SO. STATES SS915 | 109.0 | 21.2 | 81.9 | 8.6 |
| RUFF'S R334A | 108.3 | 21.0 | 80.5 | 12.6 |
| USS AG-CHEM USS7001 | 107.7 | 21.2 | 84.0 | 5.9 |
| JACOBI 8800 | 107.4 | 19.8 | 85.6 | 6.9 |
| DENNIS DS37A | 107.3 | 21.4 | 78.5 | 9.6 |
| BO-JAC 674 | 107.1 | 20.9 | 84.2 | 4.9 |
| VORIS SEEDS V2631 | 106.8 | 20.4 | 79.5 | 8.1 |
| RING AROUND RA1505 | 106.7 | 22.9 | 80.4 | 9.9 |
| COLBERT 345 | 106.6 | 22.0 | 81.9 | 11.6 |
| SUPER CROST 6762 | 106.1 | 22.0 | 82.6 | 4.5 |
| PIONEER BRAND 3184 | 105.3 | 23.1 | 75.7 | 11.1 |
| GOLDEN HARV. H2675 | 105.1 | 21.7 | 83.5 | 8.0 |
| P.A.G. SX354 | 104.9 | 22.0 | 85.1 | 4.0 |
| PIONEER BRAND 3389 | 104.9 | 20.9 | 84.8 | 7.1 |
| BECK'S 90X | 104.8 | 22.7 | 75.6 | 9.9 |
| BECK'S 85XA | 104.6 | 22.0 | 78.0 | 9.3 |
| COLBERT 340 | 104.6 | 22.0 | 74.5 | 5.0 |
| D&H D49120 | 104.4 | 22.3 | 76.0 | 3.3 |
| SFLECT SEED 9122 | 103.5 | 21.3 | 80.0 | 7.3 |
| MO17 X 873 | 103.3 | 20.3 | 81.3 | 10.6 |
| CUSTOM FM SEED CFS8000 | 103.3 | 22.5 | 81.5 | 9.8 |
| FUNK'S G-4733 | 103.3 | 25.8 | 77.5 | 5.4 |
| RING AROUND RA1502 | 103.1 | 22.0 | 85.4 | 8.4 |
| MCCURDY 84AA | 102.7 | 21.4 | 83.9 | 5.4 |
| SUPER CROST 6386 | 102.5 | 21.7 | 81.4 | 10.0 |
| SCOTT SEED LR88A | 102.4 | 21.5 | 81.9 | 7.7 |
| DENNIS DS49 | 102.2 | 22.4 | 80.2 | 6.0 |
| RING AROUND RA1604 | 101.8 | 22.7 | 75.8 | 5.9 |
| DEKALB-PFIZER DK747 | 101.5 | 21.5 | 84.9 | 5.3 |
| CAMPBELL C755 | 100.8 | 20.9 | 82.5 | 7.7 |
| SELECT SEED 8900 | 100.6 | 21.1 | 81.4 | 9.5 |
| ADLER'S 88X | 100.2 | 23.3 | 79.2 | 13.4 |
| AGRIGOLD A-6900 | 99.5 | 23.1 | 81.3 | 14.7 |
| AGRIGOLD A-6910 | 99.0 | 22.5 | 74.4 | 13.8 |
| GOLDEN HARV. H2775A | 99.0 | 22.5 | 79.6 | 5.0 |
| SO. STATES SS911 | 98.8 | 21.8 | 81.3 | 9.8 |
| JACOBI CX91 | 98.8 | 22.6 | 81.3 | 9.7 |
| LEADER SX710 | 98.4 | 20.0 | 81.3 | 9.6 |
| CROW'S 690 | 98.1 | 23.3 | 78.6 | 8.9 |
| PAYMASTER 8951 | 98.0 | 22.4 | 81.8 | 12.1 |
| NAPY/41GND HPA7 | 97.7 | 22.4 | 80.2 | 12.6 |
| P.A.G. SX379 | 97.7 | 22.5 | 82.3 | 9.0 |
| COKER 21 | 97.7 | 23.0 | 78.0 | 17.9 |
| O'S GOLD SX5509 | 97.6 | 22.1 | 82.3 | 10.7 |
| GOLD TAG 3T4022 | 97.6 | 21.9 | 80.0 | 10.7 |
| COKER 19A | 97.6 | 21.4 | 84.3 | 9.7 |
| BO-JAC 923 | 97.5 | 22.5 | 71.1 | 11.3 |
| STEWART 8973 | 96.9 | 21.1 | 78.7 | 12.3 |
| JACQUES JX247 | 96.6 | 23.4 | 82.9 | 5.6 |
| PRINCETON SX460 | 96.6 | 21.3 | 79.4 | 7.8 |
| STEWART SX77 | 96.4 | 21.1 | 80.7 | 5.3 |
| PIONEER BRAND 335A | 96.0 | 21.4 | 85.4 | 10.0 |
| SELECT SEED 9300 | 95.8 | 22.1 | 80.6 | 5.9 |
| PREMIER SX539A3 | 95.8 | 22.5 | 80.6 | 5.9 |

TABLE 8.—NON-VIRUS LOCATIONS (continued)

| VARIETY | YIELD | AVG % | AVG % | TOTAL % |
|------------------------|---------------|---------------|---------------|----------------|
| | BU/AC 1983 | MOIST 19A3 | STAND 1983 | LOJGED 1983 |
| YELLOW HYBRIDS | | | | |
| O&H DM9113 | 95.5 | 22.3 | 83.2 | 12.0 |
| SCOTT SEED LR880 | 95.4 | 21.9 | 83.8 | 12.8 |
| CARGILL 967 | 95.4 | 20.5 | 79.2 | 6.2 |
| GOLDEN AC. T-E 6998 | 94.9 | 22.1 | 77.3 | 15.0 |
| ASGRON RX777 | 94.9 | 21.5 | 80.8 | 13.1 |
| AGRATECH GK96B | 94.8 | 22.1 | 74.4 | 8.0 |
| MCCURDY 8150 | 94.8 | 23.1 | 81.7 | 23.2 |
| PREMIER SX63b | 94.7 | 22.8 | 78.7 | 7.5 |
| SELECT SEED 8990 | 94.0 | 21.4 | 84.2 | 7.4 |
| USS AG-CHEM US92020 | 93.8 | 21.8 | 81.5 | 14.8 |
| AGRATECH GK925 | 93.8 | 23.6 | 82.1 | 14.5 |
| CUSTOM FM SEED CFS#222 | 93.7 | 20.3 | 79.9 | 14.1 |
| RUFF'S R302 | 93.2 | 21.0 | 79.6 | 9.2 |
| STAUFFER S8818 | 93.2 | 21.9 | 80.6 | 12.2 |
| GOLDEN AC. T-E 6995 | 93.2 | 21.3 | 66.8 | 12.1 |
| STEWART 6573 | 93.1 | 21.9 | 79.3 | 9.6 |
| GOLDEN HARV. H2680 | 92.5 | 22.9 | 82.3 | 8.1 |
| P.A.G. SX751 | 92.5 | 20.8 | 83.7 | 6.0 |
| COKER 22 | 91.4 | 22.7 | 82.6 | 11.5 |
| NORTHROP-KING PX95 | 91.2 | 22.7 | 78.7 | 10.0 |
| SO. STATES SS910 | 91.0 | 22.1 | 80.4 | 14.5 |
| DEKALB-PFIZER DK789 | 90.9 | 24.4 | 80.0 | 5.6 |
| DEKALB-PFIZER T1230 | 90.9 | 23.6 | 84.2 | 13.3 |
| FUNK'S G-4522 | 90.9 | 21.0 | 78.7 | 9.5 |
| STEWART 6973 | 90.5 | 22.6 | 81.5 | 13.7 |
| ADLERS 3015 | 90.0 | 20.0 | 76.2 | 8.0 |
| FUNK'S G-4559 | 89.8 | 21.4 | 78.7 | 12.7 |
| ASGRON RX114 | 89.5 | 20.9 | 80.4 | 11.8 |
| AGRIGLO A-6915 | 88.6 | 21.5 | 85.5 | 7.0 |
| 973 X PA91 | 88.4 | 22.9 | 76.5 | 14.6 |
| PRINCETON SX870 | 88.3 | 23.4 | 81.5 | 8.0 |
| PRAIRIE STREAM SX730 | 88.1 | 21.9 | 83.2 | 5.7 |
| SUPER CROST 7801 | 88.1 | 22.7 | 80.5 | 11.5 |
| CARGILL 955 | 87.9 | 21.0 | 76.8 | 7.0 |
| GOLDEV HARV. H2686 | 87.6 | 23.9 | 70.1 | 9.4 |
| CAVERDALE CF 5065 | 87.2 | 22.3 | 78.0 | 10.7 |
| ZIMMERMAN 226Y | 87.1 | 22.8 | 83.6 | 6.7 |
| VORIS SEEDS V2641 | 86.6 | 22.4 | 81.7 | 14.0 |
| GOLDEN AC. T-E 6995A | 86.4 | 20.6 | 78.3 | 5.6 |
| DEKALB-PFIZER XL71 | 85.6 | 22.3 | 82.5 | 18.9 |
| SCOTT SEED LR103 | 84.8 | 20.2 | 79.3 | 12.1 |
| ADLERS 7910 | 84.2 | 22.5 | 85.0 | 7.8 |
| BO-JAC 9332 | 83.6 | 22.6 | 78.0 | 5.4 |
| BIG "D" 6986 | 77.6 | 22.8 | 66.0 | 10.9 |
| DENNIS DS650 | 73.3 | 21.1 | 72.9 | 15.4 |
| YELLOW AVERAGE | 99.0 | 21.9 | 80.4 | 9.5 |
| WHITE HYBRIDS | | | | |
| ZIMMERMAN Z14W | 98.2 | 23.0 | 83.2 | 16.9 |
| WHITE SEEDS MV5B | 93.7 | 22.3 | 85.4 | 5.6 |
| ZIMMERMAN Z11W | 91.7 | 23.9 | 82.7 | 14.3 |
| SO. STATES SS950W | 89.6 | 25.0 | 76.9 | 9.5 |
| WHITE SEEDS MV7A | 87.3 | 23.4 | 70.1 | 11.5 |
| RING AROUND RA2606W | 86.5 | 24.4 | 79.3 | 13.5 |
| RING AROUND RA3605W | 85.8 | 23.7 | 76.0 | 11.7 |
| WHITE SEEDS MV8A | 84.1 | 23.4 | 78.3 | 11.2 |
| DEKALB-PFIZER XL3903 | 83.0 | 22.5 | 76.5 | 15.5 |
| COKER H33W | 81.8 | 24.0 | 77.1 | 15.6 |
| WHITE SEEDS MV6B | 81.7 | 23.6 | 82.9 | 11.4 |
| RING AROUND RA2602W | 80.7 | 24.7 | 79.5 | 12.5 |
| P.A.G. SX70W | 79.5 | 23.2 | 78.9 | 21.4 |
| FUNK'S G-4779W | 78.8 | 24.1 | 81.4 | 9.5 |
| ZIMMERMAN Z52W | 76.4 | 24.2 | 81.5 | 15.6 |
| ASGRON RX952W | 75.8 | 25.5 | 72.6 | 11.5 |
| WHITE AVERAGE | 89.7 | 23.8 | 78.4 | 13.1 |
| GRAND AVERAGE | 97.3 | 22.1 | 80.2 | 9.9 |

**TABLE 9.—TWO-YEAR SUMMARY, NON-VIRUS LOCATIONS,
1982-1983**

| VARIETY | YIELD | AVG % | AVG % | TOTAL X |
|----------------------|----------------|----------------|----------------|-----------------|
| | BU/AC 82-83 | MOIST 82-83 | STAND 82-83 | LOJGED 82-83 |
| YELLOW HYBRIDS | 136.7 | 19.9 | 85.7 | 7.5 |
| DENNIS DS42 | 132.7 | 20.0 | 85.1 | 7.3 |
| O'S GOLD 2570 | 131.1 | 20.2 | 86.7 | 6.8 |
| COLBERT 315 | 128.1 | 21.6 | 84.5 | 10.3 |
| COLBERT 345 | 127.5 | 19.3 | 85.1 | 5.3 |
| SELECT SEED 8400 | 127.2 | 20.5 | 79.2 | 3.9 |
| D&H DM7183 | 126.3 | 20.5 | 80.2 | 9.5 |
| DEKAL3-PFIZER DK747 | 124.8 | 21.0 | 84.1 | 9.6 |
| SUPER CROST 6762 | 124.5 | 20.1 | 85.1 | 7.4 |
| SELECT SEED 8900 | 123.7 | 20.7 | 82.9 | 6.7 |
| RING AROUND RA1502 | 123.6 | 20.1 | 81.7 | 8.1 |
| CAMPBELL C960 | 123.2 | 20.8 | 81.4 | 9.5 |
| COLBERT 340 | 122.2 | 20.9 | 83.7 | 13.3 |
| AGRIGOLD 4-6910 | 122.1 | 20.2 | 82.0 | 5.8 |
| SELECT SEED 9122 | 121.9 | 20.7 | 84.2 | 10.2 |
| MCCURDY 84AA | 121.9 | 21.5 | 82.7 | 11.6 |
| JACQUES 8220 | 121.9 | 20.8 | 83.4 | 5.3 |
| PREMIER SX639AB | 121.8 | 20.3 | 82.0 | 7.9 |
| HUFF'S K334A | 121.2 | 20.3 | 84.3 | 8.9 |
| PIONEER BRAND 3320 | 120.3 | 21.2 | 82.1 | 10.9 |
| RING AROUND RA1604 | 120.2 | 21.2 | 82.1 | 14.5 |
| SO. STATES SS915 | 120.2 | 21.3 | 81.7 | 15.0 |
| AGRIGOLD 4-6900 | 119.4 | 21.2 | 83.2 | 19.3 |
| NAPB/MIGRO HP87 | 119.3 | 21.9 | 84.5 | 14.6 |
| MCCURDY 8150 | 119.1 | 21.1 | 84.2 | 7.5 |
| PAYMASTER 8951 | 118.9 | 21.7 | 81.0 | 16.8 |
| JACQUES JX247 | 118.6 | 21.0 | 85.2 | 3.5 |
| BECK'S 90X | 118.2 | 19.7 | 83.9 | 4.9 |
| CARGILL 967 | 118.2 | 21.2 | 86.2 | 12.1 |
| SELECT SEED 9300 | 117.9 | 19.6 | 86.4 | 5.4 |
| P.A.G. SX351 | 117.6 | 20.9 | 83.1 | 15.2 |
| STAUFFER 98818 | 117.4 | 21.0 | 84.5 | 13.8 |
| GOLD TAG GT4022 | 117.4 | 20.3 | 81.8 | 9.9 |
| BO-JAC 674 | 117.4 | 20.2 | 81.4 | 9.5 |
| STEWART SX77 | 116.9 | 21.5 | 82.8 | 5.3 |
| PIONEER BRAND 3184 | 116.7 | 20.7 | 82.2 | 9.2 |
| COKER 19A | 116.4 | 20.2 | 75.7 | 10.5 |
| GOLDEV AC. T-E 6995 | 116.1 | 21.6 | 82.6 | 9.0 |
| ADLERS 88X | 115.6 | 21.5 | 85.5 | 12.7 |
| BO-JAC 923 | 115.2 | 20.5 | 80.9 | 5.7 |
| PREMIER SX636 | 115.1 | 21.2 | 78.6 | 13.2 |
| O'S GOLD SX5509 | 114.9 | 19.9 | 80.1 | 7.7 |
| FUNK'S G-4522 | 114.3 | 21.0 | 83.0 | 13.8 |
| SCOTT SEED LR880 | 113.9 | 22.3 | 75.1 | 7.9 |
| GOLDEV HARV. H2686 | 113.8 | 21.6 | 83.9 | 13.0 |
| GOLDEV HARV. H2680 | 113.7 | 21.3 | 83.5 | 12.8 |
| D&H DM9113 | 113.3 | 21.3 | 76.8 | 13.4 |
| GOLDEV HARV. H2775A | 113.0 | 22.0 | 85.1 | 7.3 |
| FUNK'S G-4733 | 112.9 | 20.1 | 83.6 | 4.6 |
| PRINCETON SX860 | 112.9 | 21.3 | 82.2 | 10.4 |
| VORIS SEEDS V2641 | 112.9 | 20.0 | 84.3 | 8.9 |
| VORIS SEEDS V2631 | 112.9 | 21.0 | 79.0 | 12.2 |
| GOLDEV AC. T-E 6998 | 112.0 | 21.6 | 80.5 | 14.0 |
| STEWART 6973 | 111.9 | 20.9 | 82.6 | 8.2 |
| DENNIS DS49 | 111.9 | 21.9 | 83.4 | 15.2 |
| COKER 21 | 111.3 | 21.7 | 82.4 | 11.3 |
| PRINCETON SX870 | 111.1 | 20.8 | 82.3 | 17.6 |
| USS AG-CHEM USS2020 | 111.0 | 20.0 | 82.7 | 13.8 |
| ASGROW RX777 | 110.9 | 21.7 | 83.9 | 14.8 |
| DEKAL3-PFIZER T1230 | 110.4 | 21.2 | 83.1 | 16.5 |
| DEKAL3-PFIZER XL71 | 110.2 | 19.9 | 83.3 | 4.0 |
| PIONEER BRAND 3358 | 109.5 | 21.4 | 81.1 | 11.9 |
| NORTHROP-KING PX95 | 109.2 | 21.0 | 82.3 | 12.1 |
| COKER 22 | 106.9 | 21.1 | 78.9 | 14.1 |
| SUPER CROST 7801 | 105.5 | 19.4 | 79.5 | 7.1 |
| GOLDEV AC. T-E 6995A | | | | |
| YELLOW AVERAGE | 117.7 | 20.8 | 82.6 | 10.3 |
| WHITE HYBRIDS | | | | |
| SO. STATES SS950A | 112.8 | 22.9 | 82.1 | 10.5 |
| ZIMMERMAN Z14A | 110.1 | 21.6 | 84.8 | 13.1 |
| RING AROUND RA2602A | 105.5 | 22.4 | 80.7 | 12.3 |
| ZIMMERMAN Z11A | 105.0 | 22.0 | 82.7 | 13.6 |
| DEKAL3-PFIZER XL390A | 103.4 | 21.5 | 79.8 | 12.7 |
| FUNK'S G-4779A | 102.0 | 22.4 | 81.2 | 7.7 |
| RING AROUND RA3605A | 99.8 | 22.4 | 78.6 | 12.6 |
| WHITE SEEDS MV7B | 99.6 | 21.1 | 66.4 | 11.8 |
| ZIMMERMAN Z52A | 98.7 | 22.5 | 82.2 | 13.3 |
| ASGROW RX962A | 98.5 | 23.5 | 78.3 | 12.4 |
| P.A.G. SX70A | 96.2 | 22.0 | 83.0 | 28.5 |
| WHITE SEEDS MV8B | 93.6 | 21.8 | 71.8 | 8.4 |
| WHITE AVERAGE | 102.1 | 22.1 | 79.3 | 13.1 |
| GRAND AVERAGE | 115.3 | 21.0 | 82.0 | 10.8 |

TABLE 10.—THREE-YEAR SUMMARY, NON-VIRUS LOCATIONS, 1981-1983

| VARIETY | YIELD | AVG % | AVG % | AVG % |
|-----------------------|--------------|-------------|-------------|-------------|
| | BU/AC | MOIST | STAND | LOADED |
| | 81-83 | 81-83 | 81-83 | 81-83 |
| YELLOW HYBRIDS | | | | |
| DENNIS DS42 | 135.6 | 19.8 | 85.0 | 9.2 |
| COLBERT 345 | 135.5 | 21.8 | 85.1 | 10.1 |
| SELECT SEED 8400 | 134.5 | 19.6 | 86.4 | 5.1 |
| SELECT SEED 8900 | 133.6 | 20.1 | 85.4 | 5.2 |
| COLBERT 340 | 133.3 | 20.9 | 82.9 | 9.5 |
| COLBERT 315 | 132.6 | 20.3 | 86.7 | 8.2 |
| RING AROUND RA1502 | 132.3 | 20.8 | 84.0 | 5.8 |
| RUFF'S R334A | 131.2 | 20.2 | 83.8 | 9.1 |
| PAYMASTER 8951 | 130.6 | 21.1 | 85.3 | 7.3 |
| PREMIER SX536 | 130.3 | 20.9 | 83.4 | 7.2 |
| AGRIGOLD A-5900 | 129.5 | 21.4 | 83.7 | 13.3 |
| 80-JAC 923 | 129.3 | 21.5 | 87.3 | 11.2 |
| SELECT SEED 9300 | 129.2 | 21.4 | 86.8 | 11.6 |
| MCCURDY 8150 | 128.5 | 22.1 | 85.7 | 11.4 |
| JACQUES JX247 | 127.7 | 21.6 | 81.0 | 14.1 |
| NORTHUP-KING PX95 | 127.2 | 22.0 | 82.1 | 10.3 |
| MCCURDY 8444 | 127.2 | 20.9 | 84.5 | 9.0 |
| SO. STATES SS915 | 126.2 | 21.5 | 83.9 | 13.3 |
| RING AROUND RA1604 | 126.0 | 21.4 | 83.2 | 10.5 |
| GOLDEN AC. T-E 6999 | 125.9 | 21.3 | 81.6 | 11.3 |
| NAPB/MIGRO HPR7 | 125.5 | 21.2 | 83.3 | 15.1 |
| GOLD TAG ST4022 | 124.9 | 20.9 | 84.0 | 13.0 |
| GOLDEN HARV. H2775A | 124.8 | 21.6 | 81.4 | 13.3 |
| O'S GOLD SX5503 | 124.5 | 21.4 | 80.8 | 12.4 |
| PIONEER BRAND 3184 | 124.2 | 21.1 | 84.4 | 5.5 |
| D&H DM9113 | 124.0 | 21.1 | 83.5 | 11.9 |
| P.A.G. SX351 | 123.7 | 19.7 | 85.6 | 5.8 |
| SCOTT SEED LR880 | 123.6 | 21.1 | 82.6 | 13.5 |
| GOLDEN HARV. H2680 | 123.4 | 21.5 | 83.6 | 11.1 |
| STEWART SX77 | 123.1 | 20.7 | 81.4 | 9.7 |
| VORIS SEEDS V2641 | 122.9 | 21.3 | 82.4 | 10.9 |
| GOLDEN HARV. H2686 | 122.9 | 22.3 | 76.2 | 7.7 |
| ADLERS 88X | 122.7 | 21.7 | 82.9 | 9.4 |
| SUPER CROST 7401 | 122.6 | 21.4 | 82.0 | 14.9 |
| FUNK'S G-4733 | 122.4 | 22.1 | 86.4 | 7.5 |
| FUNK'S G-4522 | 122.4 | 20.0 | 81.3 | 5.9 |
| COKER 21 | 122.4 | 21.3 | 83.7 | 13.1 |
| COKER 19A | 122.3 | 20.5 | 82.7 | 3.9 |
| PIONEER BRAND 3320 | 122.0 | 20.7 | 83.4 | 7.8 |
| USS AG-CHE4 USS2020 | 121.6 | 21.3 | 82.9 | 13.9 |
| CARGILL 957 | 121.0 | 19.7 | 84.1 | 7.0 |
| DEKALB-PFIZER T1230 | 121.0 | 21.5 | 84.3 | 12.0 |
| PRINCETON SX470 | 120.6 | 21.5 | 81.7 | 10.6 |
| STEWART 6973 | 120.0 | 21.4 | 81.4 | 12.8 |
| DEKALB-PFIZER XL71 | 119.1 | 21.0 | 84.0 | 14.4 |
| GOLDEN AC. T-E 6995 | 118.2 | 19.4 | 79.9 | 10.3 |
| COKER 22 | 118.1 | 21.1 | 83.3 | 11.3 |
| PRINCETON SX860 | 116.9 | 20.5 | 83.3 | 5.9 |
| YELLOW AVERAGE | 125.6 | 21.0 | 83.4 | 10.2 |
| WHITE HYBRIDS | | | | |
| SO. STATES SS9504 | 123.9 | 22.7 | 83.0 | 11.7 |
| ZIMMERMAN Z144 | 119.4 | 21.8 | 83.9 | 11.1 |
| DEKALB-PFIZER XL3904 | 116.8 | 21.4 | 80.5 | 11.6 |
| ZIMMERMAN Z114 | 116.8 | 22.3 | 81.7 | 15.4 |
| RING AROUND RA26024 | 115.4 | 22.4 | 81.9 | 13.4 |
| RING AROUND RA36054 | 114.9 | 22.4 | 80.5 | 12.0 |
| ZIMMERMAN Z524 | 114.1 | 22.5 | 83.7 | 12.6 |
| WHITE SEEDS W479 | 113.2 | 21.4 | 71.6 | 11.5 |
| ASGROW AX9624 | 113.2 | 23.0 | 81.3 | 10.6 |
| WHITE AVERAGE | 115.4 | 22.2 | 81.2 | 12.0 |
| GRAND AVERAGE | 124.1 | 21.2 | 83.1 | 10.5 |