

## LIST OF TABLES

|  |    |
|--|----|
| Table 1. —Precipitation at 1992 Test Locations .....                   | 7  |
| Table 2. —Hybrids Tested in 1992 .....                                 | 8  |
| Table 3. —Agronomic Information for 1992 Test Locations .....          | 13 |
| Table 4. —Annual Summary, 1992, All Non-Virus Locations .....          | 14 |
| Table 5. —Two-Year Summary, All Non-Virus Locations, 1992-1991 .....   | 16 |
| Table 6. —Three-Year Summary, All Non-Virus Locations, 1992-1990 ..... | 18 |
| Table 7. —Annual Summary, Hickman .....                                | 20 |
| Table 8. —Annual Summary, Princeton .....                              | 22 |
| Table 9. —Annual Summary, Owensboro .....                              | 24 |
| Table 10. —Annual Summary, Hopkinsville .....                          | 26 |
| Table 11. —Annual Summary, Shelbyville .....                           | 28 |
| Table 12. —Annual Summary, Lexington .....                             | 30 |
| Table 13. —Annual Summary, Quicksand .....                             | 32 |

## ACKNOWLEDGEMENTS

The authors are grateful to Mr. John Byars, Agricultural Data Center, and to Mr. Danny Walls, Agronomy Department, for assistance in summarizing the results presented in this progress report. Also, acknowledgements are made to the following people who helped conduct this year's performance test.

Dr. Morris Bitzer, Extension Specialist in Grain Crops, Lexington

Dr. Paul C. Vincelli, Department of Plant Pathology, Lexington

Dr. James Herbek, Extension Specialist in Grain Crops, Research and Extension Center, Princeton

Donnie Davis, Superintendent, Research and Education Center, Princeton

Mason Morrison, Superintendent, Robinson Substation, Quicksand

Mike Crisel, Extension Agent, Hickman

Curtis Judy, Extension Agent, Hopkinsville

Roger Sparrow, Extension Agent, Frankfort

Wayne Mattingly, Extension Agent, Owensboro

Roy Catlett, Extension Agent, Shelbyville



# 1992 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 1992 data is presented for the tests at each location harvested. Two- 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 4, 5, and 6) since these are better estimates of a hybrid's 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 with another grown at a different location.

This year, yellow endosperm hybrids are grouped into early-, mid-, and late- maturity groups based on harvest moisture. Also, those hybrids that yield equally as high as the highest yielding hybrid, based on statistical evaluation, are indicated by an asterisk. See the **MATURITY COMPARISONS** and the **EXPERIMENTAL DESIGN AND MEANS COMPARISONS** text sections for more detail.

## TESTING PROCEDURE

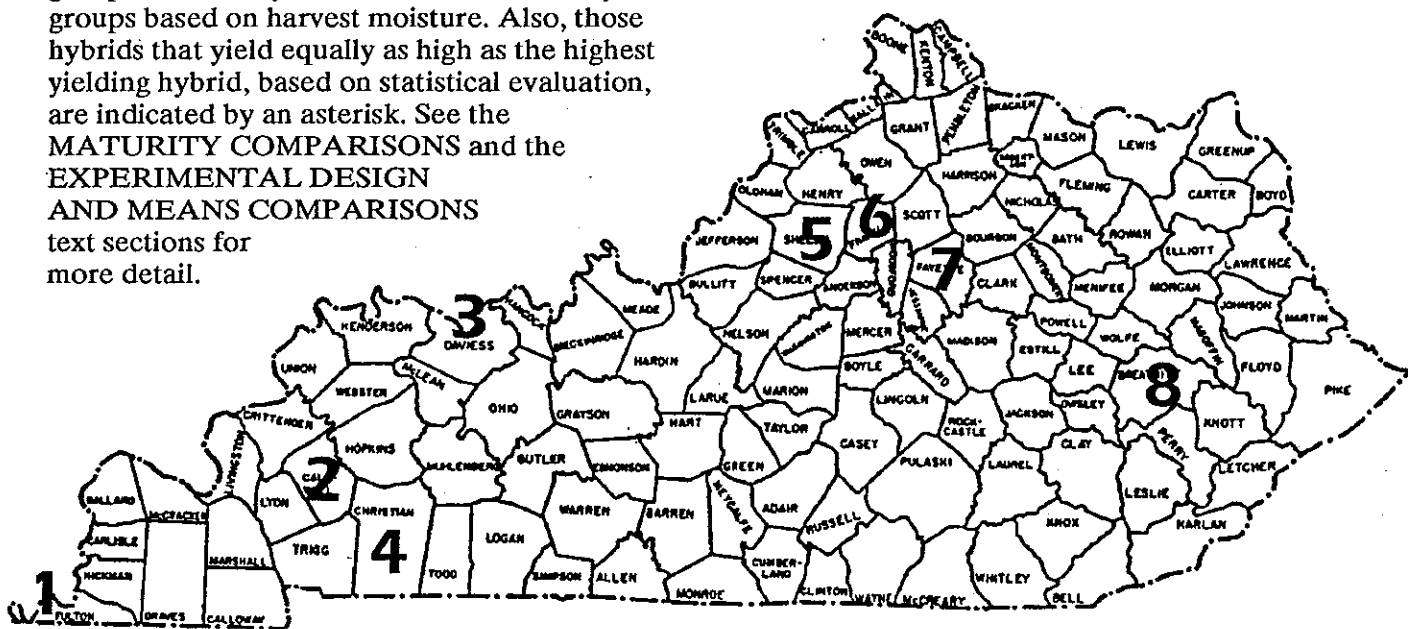
### SELECTION OF HYBRIDS

The hybrids chosen for testing are those most likely to be available for sale in 1993. Seed of each commercial hybrid (Table 2) was obtained from the sponsoring company.

Those hybrids grown in the corn virus tests are indicated with a B 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 agroclimatic areas of the state where corn is a major commodity. The Frankfort site was chosen specifically for the presence of corn virus.



Locations of the 1992 Hybrid Corn Performance Test

## CULTURAL PRACTICES

The test location at Shelbyville was planted no-till. The other test locations were planted in a seedbed prepared by conventional tillage methods. Fertilizer was applied as indicated by soil tests. The test at Shelbyville was planted in soybean residue using recommended no-tillage practices. All test areas were treated with herbicide(s) and supplemented by post-emergence cultivation and/or herbicide when necessary. Except for the virus test, Furadan was applied in the row at planting to control corn rootworms. The virus test at Frankfort received no insecticide. Table 3 shows the specific cultural treatment for each location.

## EXPERIMENTAL DESIGN AND MEAN COMPARISONS

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 the tables are averages 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. A 7 x 6 lattice design was used at the virus location.

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) provided 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 yield ability. "N.S." in the tables indicates that no statistically significant differences were determined. The LSD is calculated for an alpha level of 0.10. For your convenience, an asterisk has been placed alongside those yield means that are not significantly different from the highest yield mean in that column. This comparison means that those means followed by an asterisk do not differ by more than one LSD.

## 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 36 inches apart and 22 feet long. Each conventional tillage test was planted at the rate of 23,760 kernels per acre. The no-till test at

Shelbyville was planted at a rate of 25,740 kernels per acre. Final stands were expected to be between 20,000 and 22,000 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. The grain weight and moisture content of each plot was measured with an electronic scale and moisture meter mounted on the combine. Data from each test location was temporarily stored in a portable data logging device prior to transfer to a computer at Lexington. Yields were calculated and adjusted to 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. The Frankfort test was planted with 40 nominated hybrids and two check hybrids to evaluate resistance to the virus complex. Virus symptoms did appear frequently on johnsongrass present in the plot area and on some corn plants. Because of the mild disease pressure and other complications, no virus ratings were taken. Yield data have not been collected, as of this printing, due to late maturity of the hybrids.

## MATURITY COMPARISONS

Three open-pedigree hybrids (FR618 X FR600, FR27 X Mo17, and FR27 X Pa91) were included in each non-virus test to provide an internal evaluation of hybrid maturity. The seed of these hybrids was obtained from Illinois Foundation Seeds, Inc., at Champaign, IL, who rated the relative maturities of these hybrids for Kentucky, as Early-, Mid, and Late-Season, respectively. The relative maturity ratings were quite appropriate since the harvest moistures of the hybrids, when averaged across all non-virus locations (Table 4), were 17.6% for FR618 X FR600, 18.2% for FR27 X Mo17, and 21.4% for FR27 X Pa91. Harvest maturity of other hybrids in the test can be judged by comparison of harvest moisture relative to these checks and other hybrids of known maturity for your area of production.

The yellow endosperm hybrids are separated into three maturity groups in each table. Groups were determined from the 1992 harvest moisture summary over all non-virus locations in Table 4. The early maturity hybrid group in Table 4, and all subsequent tables, are those hybrids that had a 1992 average harvest moisture of 18.1% or less. This group includes the early maturity hybrid FR618 X FR600 and all other hybrids with a 1992 average harvest moisture lower than the harvest moisture of FR27 X Mo17. Hybrids in this group were rated from 106 to 113 days maturity by the parent seed companies.

The medium maturity group of yellow hybrids includes all hybrids with a 1992 average harvest moisture equal to or greater than 18.2% but lower than 20.7%. These limits correspond to the 1992 average harvest moisture of FR27 X Mo17 (18.2%) and one LSD less than the 1992 harvest moisture of the late-maturity hybrid, FR27 X Pa91 (21.4% - 0.7% = 20.7%). Hybrids in this group were rated from 111 to 121 days maturity by the parent seed companies.

The late-maturity group of yellow hybrids are those that had an average 1992 harvest moisture equal to or greater than 20.7%. The late-maturity check hybrid, FR27 X Pa91 is included in this group. Hybrids in this group were rated from 114 to 125 days maturity by the parent seed companies.

These groupings are subjective but provide an evaluation of hybrid maturity. Other post-harvest groupings may be equally as useful. The harvest moisture or relative maturity rating of a hybrid was not used to block hybrids in the field experiment.

## **NOTES ABOUT THE GROWING SEASON**

### **HICKMAN (FULTON COUNTY)**

The Hickman test was planted on April 8. The test was checked for seedling emergence on April 17. Plant populations were good. Weed control was excellent, with only a few spots of late season grasses in alleyways. The test was fully pollinated on July 8. Lodging associated with the test was caused by Southwestern corn borer. There were no apparent disease problems.

### **PRINCETON (Ky. Agr. Exp. Sta., Research and Education Center)**

The Princeton test was planted on April 30. Seedling emergence was good on May 15. Weed control was excellent early in the season but seedling johnsongrass emerged in the alleyways late in the season. Accent was sprayed on two replications to control weeds missed by a faulty spray nozzle used for preplant herbicide application. There appeared to be no disease problems, however, European corn borer caused some lodging.

### **HOPKINSVILLE (CHRISTIAN COUNTY)**

The Hopkinsville test was planted on April 7. Seedling emergence and weed control were good when checked on May 14. The test hybrids were fully pollinated on July 9. The plot remained free of disease and insect problems on July 21. Johnsongrass and cocklebur were removed by hand on July 20, but some late season weeds and grasses were present at harvest. There were no apparent disease or insect problems present at harvest.

### **OWENSBORO (DAVISS COUNTY)**

The Owensboro test was planted on April 29. Seedling emergence and weed control were good on May 15. Some late season grasses and weeds, especially shattercane, were present in the alleyways at harvest. There was some European corn borer damage, which caused a few dropped ears. There were no apparent disease problems.

### **SHELBYVILLE (SHELBY COUNTY)**

The Shelbyville test was planted no-till in soybean crop residue on April 23. The test was checked on May 18 and plant populations appeared to be good. Weed control was good for most broadleaf weeds and grasses but there were several areas of shattercane and vine infestations. Banvel was applied as a broadcast spray in May. There was no apparent disease or insect problems.

**LEXINGTON (Ky. Agr. Exp. Sta.,  
Spindletop Research Farm)**

The Lexington test was planted on May 11. Seedling emergence was good and weed control was good, except for nutsedge. The test was sprayed with Basagran on May 29 for nutsedge control. There were no disease problems. There was a large infestation of Japanese beetles that clipped silks and may have reduced seed set for some hybrids. Sevin insecticide was applied on July 23 to reduce the beetle density. Although evaluation of beetle damage was not possible, it is possible that earlier hybrids may have suffered more silk clipping than later hybrids.

**QUICKSAND (Ky. Agr. Exp. Sta.,  
Robinson Substation)**

The Quicksand test was planted on May 7. Early season weed control was good and seedling emergence was good for most plots. The poor emergence of some plots was likely due to standing water after a heavy rainfall. The test was sprayed on June 2, with Beacon, to control johnsongrass and other missed weeds and grasses. Burcucumber vines were present in the test at harvest. There was no apparent insect problems. Gray Leaf Spot (GLS) ratings were taken on the test September 2. The GLS ratings are available upon request.

**FRANKFORT (FRANKLIN COUNTY)**

The Frankfort test was planted on June 12. Weed control was good, except for johnsongrass and burcucumber vines. Seedling emergence was good. The test was sprayed with Beacon on July 14 to control seedling and rhizome johnsongrass. Two weeks after spraying a number of plots appeared to have chemical damage. Observations through the growing season indicated that yield was probably affected by the damage and damage may have occurred to some genotypes more than to others. The test was evaluated on August 5 for the virus complex and chemical damage. Although both MDM and MCD virus symptoms were observed on corn plants, the severity of virus diseases was low and the disease symptoms were confounded with stunting caused by the herbicide. No virus ratings were taken on the test because of the low disease incidence and confounding with other plant injuries. Japanese beetles clipped some silks during the pollinating season. There appeared to be no other insect or disease problems. Grain moisture was still very high at the time of this writing and plots have not yet been harvested. Yield data may be available at a later date although they will be of questionable value.

**NOTE**

All Western Kentucky locations were observed for potential problems during the months of June, July, and August. Eastern Kentucky locations were checked on several occasions during the growing season.

**Table 1.—Precipitation at 1992 Test Locations**

| Month                        | Days  | Location    |              |              |           |             |             |             |           |
|------------------------------|-------|-------------|--------------|--------------|-----------|-------------|-------------|-------------|-----------|
|                              |       | Hickman     | Princeton    | Hopkinsville | Owensboro | Shelbyville | Lexington   | Quicksand   | Frankfort |
| -----inches of rainfall----- |       |             |              |              |           |             |             |             |           |
| April                        | 1-8   | -- *        | 0.09         | -- *         | --        | --          | 0.41        | 0.14        | --        |
|                              | 9-16  | 0.14        | 0.08         | 1.40         | --        | --          | 0.62        | 0.12        | --        |
|                              | 17-24 | 1.24        | 1.33         | 0.80         | --        | -- *        | 0.89        | 0.85        | --        |
|                              | 25-30 | --          | <u>0.07*</u> | --           | -- *      | <u>0.35</u> | <u>0.50</u> | <u>0.42</u> | --        |
|                              | Total | 1.38        | 1.57         | 2.20         | --        | 0.35        | 2.42        | 1.53        | --        |
| May                          | 1-8   | --          | 0.51         | 0.60         | --        | --          | 1.23        | 1.19*       | --        |
|                              | 9-16  | --          | 0.79         | 1.00         | --        | --          | 0.34*       | 0.89        | --        |
|                              | 17-24 | 1.13        | 0.31         | 1.20         | --        | --          | 0.20        | 0.87        | --        |
|                              | 25-31 | <u>1.28</u> | <u>1.76</u>  | <u>1.70</u>  | --        | --          | <u>1.64</u> | <u>1.72</u> | --        |
|                              | Total | 2.41        | 3.37         | 4.50         | 3.35      | 4.80        | 3.41        | 4.67        | --        |
| June                         | 1-8   | 2.35        | 1.63         | 1.50         | --        | --          | 1.85        | 0.78        | --        |
|                              | 9-16  | 1.24        | --           | 0.20         | --        | --          | 0.10        | 0.58        | -- *      |
|                              | 17-24 | --          | 0.80         | 1.30         | --        | --          | 1.99        | 1.07        | --        |
|                              | 25-30 | <u>0.13</u> | <u>0.70</u>  | <u>0.80</u>  | --        | --          | <u>0.07</u> | <u>0.73</u> | --        |
|                              | Total | 3.72        | 3.13         | 3.80         | 4.75      | 5.31        | 4.01        | 3.16        | --        |
| July                         | 1-8   | 1.50        | 1.37         | 0.40         | --        | --          | 1.44        | 2.00        | --        |
|                              | 9-16  | 0.08        | 3.41         | --           | --        | --          | 2.81        | 0.42        | --        |
|                              | 17-24 | 0.41        | 1.44         | 1.60         | --        | --          | 1.24        | 2.57        | --        |
|                              | 25-31 | <u>1.00</u> | <u>1.05</u>  | <u>0.40</u>  | --        | --          | <u>3.64</u> | <u>3.27</u> | --        |
|                              | Total | 2.99        | 7.27         | 2.40         | 7.50      | 9.84        | 9.13        | 8.26        | --        |
| August                       | 1-8   | 0.24        | 0.43         | 1.90         | --        | --          | 2.08        | 0.17        | --        |
|                              | 9-16  | 0.71        | 5.39         | 1.10         | --        | --          | 1.04        | 1.26        | --        |
|                              | 17-24 | 0.40        | 0.21         | 1.20         | --        | --          | 0.67        | 0.32        | --        |
|                              | 25-31 | <u>0.70</u> | <u>0.76</u>  | <u>2.30</u>  | --        | --          | <u>1.69</u> | <u>2.91</u> | --        |
|                              | Total | 2.05        | 6.79         | 6.50         | 4.00      | 4.47        | 5.48        | 4.66        | --        |
| Sept.                        | 1-8   | 1.11        | 0.88         | 0.60         | --        | --          | 0.46        | 0.23        | --        |
|                              | 9-16  | 0.09        | 0.33         | -- **        | --        | --          | 0.07        | 0.41        | --        |
|                              | 17-24 | -- **       | 1.59         | --           | --        | --          | 2.85        | 1.75        | --        |
|                              | 25-30 | --          | <u>1.71</u>  | --           | --        | --          | <u>0.10</u> | <u>0.59</u> | --        |
|                              | Total | 1.20        | 4.51         | 0.60         | 3.40      | 3.84        | 3.48        | 2.98        | --        |
| Grand Total                  |       | 13.75       | 26.64        | 20.20        | 19.65     | 28.61       | 27.93       | 25.26       | --        |

\* Planted; \*\* Harvested in September, all others harvested in October.

**Table 2.—Hybrids Tested in 1992**

|          | Hybrid  | Test* | Color  | Cross** | Source  |
|----------|---------|-------|--------|---------|---|
| Adler's  | 6130    | A     | Yellow | 2X      | Adler Seeds, Inc.<br>Route 1<br>Sharpesville, IN 46068                    |
|          | 7850    | A     | Yellow | 2x      |   |
| AgraTech | 757     | A     | Yellow | 2X      | AgraTech Seed Research<br>P.O. Box 644<br>Atlanta, GA 31714               |
|          | 787     | A     | Yellow | 2X      |   |
|          | 825     | A     | Yellow | 2X      |   |
|          | 888     | B     | Yellow | 2X      |   |
|          | 9200    | B     | Yellow | 2X      |   |
|          | 9250    | B     | Yellow | 2X      |   |
| AgriGene | AG-7880 | A     | Yellow | 2X      | AgriGene Seed Research<br>R. R. 2, Box 3A<br>Ames, IA 50010               |
|          | GA-9586 | AB    | Yellow | 2X      |   |
| AgriGold | A-6690  | A     | Yellow | 2X      | Akin Seed Company<br>Route 1<br>St. Francesville, IL 62460                |
|          | XA2002  | A     | Yellow | 2X      |   |
|          | A-6715  | A     | Yellow | 2X      |   |
|          | A-6796W | AB    | White  | 2X      |   |
| Asgrow   | RX947   | A     | Yellow | 2X      | Asgrow Seed Company<br>P.O. Box 7570<br>Des Moines, IA 50322              |
|          | RX899   | A     | Yellow | 2X      |   |
|          | RX809   | A     | Yellow | 2X      |   |
|          | XP8091W | A     | White  | 2X      |   |
|          | RX919   | AB    | Yellow | 2X      |   |
|          | X9231   | B     | Yellow | 2X      |   |
| Baldrige | BH-575  | A     | Yellow | 2X      | Baldrige Bio-Research, Inc.<br>955 SR 137 Box 99<br>Cherry Fork, OH 45618 |
|          | BH-605  | A     | Yellow | 2X      |   |
|          | BH-630  | B     | Yellow | 2X      |   |
| Beck's   | 85MDM   | B     | Yellow | 2X      | Beck's Superior Hybrids<br>6767 E. 276th Street<br>Atlanta, IN 46031      |
|          | 68X     | A     | Yellow | 2X      |   |
|          | 72X     | A     | Yellow | 2X      |   |
|          | 82MPV   | A     | Yellow | 2X      |   |
|          | 87MDM   | B     | Yellow | 2X      |   |
| Bo-Jac   | 629     | A     | Yellow | 2X      | Bo-Jac Hybrid Corn Company<br>R. R. #2<br>Mount Pulaski, IL 62548         |
|          | 925     | A     | Yellow | 2X      |   |
|          | 905     | AB    | Yellow | 2X      |   |
| Callahan | C776    | A     | Yellow | 2X      | Callahan Seeds<br>1122 E. 169th Street<br>Westfield, IN 46074             |
|          | C7269   | A     | Yellow | 2X      |   |
| Cargill  | 9027    | A     | Yellow | 2X      | Cargill Seeds<br>P.O. Box 9480<br>Minneapolis, MN 55440                   |
|          | 8427    | A     | Yellow | 2X      |   |
|          | 8527    | B     | Yellow | 2X      |   |
|          | 9400W   | A     | White  | 2X      |   |
|          | 7997    | A     | Yellow | 2X      |   |
|          | 9402W   | A     | White  | 2X      |   |
|          | X9203   | B     | Yellow | 2X      |   |



**Table 2. —Hybrids Tested in 1992 *continued***

|                  | Hybrid | Test* | Color  | Cross** | Source   |
|------------------|--------|-------|--------|---------|--|
| Caverndale Farms | CF900  | B     | Yellow | 2X      | Caverndale Farms<br>Route 2<br>Danville, KY 40422                      |
|                  | CF800A | A     | Yellow | 2X      |  |
|                  | CF950  | A     | Yellow | 2X      |  |
|                  | CF953  | A     | Yellow | 2X      |  |
| Colbert          | 230    | A     | Yellow | 2X      | Colbert Farms<br>R. R. #2<br>Washington, IN 47501                      |
|                  | 250    | A     | Yellow | 2X      |  |
|                  | 324    | A     | Yellow | 2X      |  |
|                  | 326    | A     | Yellow | 2X      |  |
| Crow's           | 667    | A     | Yellow | 2X      | Crow's Hybrid Corn Company<br>Box 306<br>Milford, IL 60953             |
|                  | 669    | A     | Yellow | 2X      |  |
|                  | 675    | B     | Yellow | 2X      |  |
|                  | 670    | A     | Yellow | 2X      |  |
|                  | 688    | A     | Yellow | 2X      |  |
| DeKalb           | DK689  | AB    | Yellow | 2X      | DeKalb Plant Genetics<br>3100 Sycamore Road<br>DeKalb, IL 60115        |
|                  | DK715  | A     | Yellow | 2X      |  |
|                  | DK646  | A     | Yellow | 2X      |  |
|                  | DK743  | AB    | Yellow | 2X      |  |
|                  | DK649  | B     | Yellow | 2X      |  |
|                  | DK633  | A     | Yellow | 2X      |  |
| CIBA-GEIGY       | 4583   | A     | Yellow | 2X      | CIBA-GEIGY Seed Division<br>P.O. Box 18300<br>Greensboro, NC 27419     |
|                  | 4631   | A     | Yellow | 2X      |  |
|                  | 4651   | A     | Yellow | 2X      |  |
|                  | 4671   | AB    | Yellow | 2X      |  |
|                  | 4680   | B     | Yellow | 2X      |  |
|                  | 4652W  | A     | White  | 2X      |  |
| ICI\Garst        | 8250   | A     | Yellow | 2X      | ICI Seeds, Inc.<br>Rt 3, Box 93<br>Bowling Green, MO 63334             |
|                  | 8260   | A     | Yellow | 2X      |  |
|                  | 8315   | A     | Yellow | 2X      |  |
|                  | 8513   | A     | Yellow | 2X      |  |
|                  | N9122W | A     | White  | 2X      |  |
|                  | W707   | A     | White  | 2X      |  |
|                  | 1860   | B     | Yellow | 2X      |  |
| Glick Seed       | GH780  | A     | Yellow | 2X      | Glick Seed Service<br>16801 E-100N<br>Hartsville, IN 47224             |
|                  | GH801  | A     | Yellow | 2X      |  |
| Gutwein          | 2680   | A     | Yellow | 2X      | Fred Gutwein & Sons, Inc.<br>Route 1, Box 40<br>Francisville, IN 47946 |
|                  | 2751   | A     | Yellow | 2X      |  |
|                  | 2810   | A     | Yellow | 2X      |  |

**Table 2.—Hybrids Tested in 1992 *continued***

|                | Hybrid    | Test* | Color  | Cross** | Source   |
|----------------|-----------|-------|--------|---------|--|
| Jacques        | 8210      | A     | Yellow | 2X      | Jacques Seed Company<br>720 St. Croix St.<br>Prescott, WI 54021  |
|                | 8250      | B     | Yellow | 2X      |  |
|                | 8410      | B     | Yellow | 2X      |  |
|                | 7970      | A     | Yellow | 2X      |  |
|                | 9220      | AB    | Yellow | 2X      |  |
|                | 8288      | B     | Yellow | 2X      |  |
|                | 8510      | A     | Yellow | 2X      |  |
| McCurdy        | 7400      | A     | Yellow | 2X      | AgriGene Seed Research<br>R. R. 2, Box 3A<br>Ames, IA 50010      |
|                | 7477      | A     | Yellow | 2X      |  |
|                | 7777      | AB    | Yellow | 2X      |  |
| NC+ Hybrids    | NC+ 6959  | AB    | Yellow | 2X      | NC+ Hybrids<br>Box 4408<br>Lincoln, NE 68504                     |
|                | NC+ 7304  | AB    | Yellow | 2X      |  |
|                | NC+ 6485  | A     | Yellow | 2X      |  |
|                | NC+ 5860  | AB    | Yellow | 2X      |  |
|                | NC+ 6555W | A     | White  | 2X      |  |
| Noble Bear     | NB 739W   | A     | White  | 2X      | NobleBear, Inc.<br>P.O. Box 529<br>Gibson City, IL 60936         |
|                | NB 742W   | A     | White  | 2X      |  |
|                | NB 747W   | A     | White  | 2X      |  |
| Northrup King  | N6330     | A     | Yellow | 2X      | Northrup-King & Company<br>P.O. Box 959<br>Minneapolis, MN 55440 |
|                | N8727     | A     | Yellow | 2X      |  |
|                | N8565W    | A     | White  | 2X      |  |
|                | PX9540    | A     | Yellow | 2X      |  |
|                | X701      | A     | Yellow | 2X      |  |
|                | X748      | A     | Yellow | 2X      |  |
|                | X780W     | A     | White  | 2X      |  |
|                | S8645     | B     | Yellow | 2X      |  |
| Pioneer Brand  | 3140      | A     | Yellow | 2X      | Pioneer Hi-Int'l.<br>1000 W. Jefferson St.<br>Tipton, IN 46072   |
|                | 3142      | A     | Yellow | 2X      |  |
|                | 3154      | AB    | Yellow | 2X      |  |
|                | 3165      | A     | Yellow | 2X      |  |
|                | 3245      | A     | Yellow | 2X      |  |
|                | 3279      | A     | Yellow | 2X      |  |
|                | 3281W     | AB    | White  | 2X      |  |
|                | 3295      | A     | Yellow | 2X      |  |
|                | 3394      | A     | Yellow | 2X      |  |
|                | 3527      | A     | Yellow | 2X      |  |
|                | 3215      | B     | Yellow | 2x      |  |
| Prairie Stream | SX556     | A     | Yellow | 2X      | Prairie Stream Farms<br>Route 3, Box 333<br>Frankfort, IN 46041  |
|                | SX702     | A     | Yellow | 2X      |  |
|                | SX704     | A     | Yellow | 2X      |  |

**Table 2. —Hybrids Tested in 1992 *continued***

|                 | Hybrid      | Test*  | Color  | Cross** | Source  |
|-----------------|-------------|--------|--------|---------|---|
| Scott Seed      | LR3350      | A      | Yellow | 2X      | Scott Seed Company, Inc.<br>P.O. Box 849<br>New Albany, IN 47150        |
|                 | LR3359      | A      | Yellow | 2X      |   |
|                 | LR5241      | A      | Yellow | 2X      |   |
|                 | LR5272      | B      | Yellow | 2X      |   |
| Southern Cross  | 411         | A      | Yellow | 2X      | Miles Seed<br>2760 Keller Rd.<br>Owensboro, KY 42301                    |
|                 | 412         | A      | Yellow | 2X      |   |
|                 | 612         | A      | Yellow | 2X      |   |
| Southern States | SS790       | A      | Yellow | 2X      | Southern States Coop., Inc.<br>P.O. Box 26234<br>Richmond, VA 23260     |
|                 | SS793       | A      | Yellow | 2X      |   |
|                 | SS812       | A      | Yellow | 2X      |   |
|                 | SS883V      | B      | Yellow | 2X      |   |
|                 | SS844V      | B      | Yellow | 2X      |   |
|                 | SS917W      | A      | White  | 2X      |   |
|                 | SS922W      | A      | White  | 2X      |   |
| SS943           | AB          | Yellow | 2X     |         |   |
| Stewart Hybrids | S-8432      | A      | Yellow | 2X      | Stewart Hybrids Inc.<br>Route 1, Box 8<br>Princeville, IL 61559         |
|                 | S-8815      | A      | Yellow | 2X      |   |
|                 | S-9213      | A      | Yellow | 2X      |   |
|                 | HyL 1       | A      | Yellow | 2X      |   |
| Stine           | 1118        | A      | Yellow | 2X      | Stine Seeds<br>P.O. Box 231<br>Sheridan, IN 46069                       |
|                 | 1171        | A      | Yellow | 2X      |   |
|                 | 1181        | A      | Yellow | 2X      |   |
|                 | 1220        | A      | Yellow | 2X      |   |
| Terra Seed      | TR 1160     | A      | Yellow | 2X      | Terra International, Inc.<br>600 Fourth Street<br>Sioux City, IA 51101  |
|                 | TR 1167     | A      | Yellow | 2X      |   |
|                 | TR 1180     | AB     | Yellow | 2X      |   |
|                 | TR 1190     | B      | Yellow | 2X      |   |
|                 | TR 621E     | A      | Yellow | 2X      |   |
| Vineyard        | V-58W       | A      | White  | 2X      | Vineyard Seed Co., Inc.<br>Route 1, Box 147<br>Homer, IL 61849          |
|                 | V-68W       | A      | White  | 2X      |   |
|                 | V-449W      | A      | White  | 2X      |   |
| Zimmerman       | Z16W        | A      | White  | 2X      | Zimmerman Hybrids, Inc.<br>5147 W. Franklin Rd.<br>Evansville, IN 47712 |
|                 | Z61W        | A      | White  | 2X      |   |
|                 | Z63W        | A      | White  | 2X      |   |
|                 | Z27         | A      | Yellow | 2X      |   |
|                 | Z35         | B      | Yellow | 2X      |   |
| K.A.E.S.        | FR618xFR600 | A      | Yellow | 2X      | Illinois Found. Seeds, Inc.<br>P.O. Box 722<br>Champaign, IL 61820      |
|                 | FR27xMo17   | A      | Yellow | 2X      |   |
|                 | FR27xPa91   | A      | Yellow | 2X      |   |

\* A = Performance Test, B = Virus Test

\*\* 2X = Single Cross, 3X = Threeway Cross, 2X(Mod) = Modified Single Cross



**Table 3. —Agronomic Information for 1992 Test Locations**

| Location and Cooperator                                   | Soil Type                            | Fertilizer<br>Lb/Ac   | Herbicide                                   | Insecticide        | Planting<br>Dates | Harvest<br>Dates   | Comments                      |
|---|--------------------------------------|---|---|--------------------|-------------------|--------------------|-------------------------------|
| 1) Hickman, KY<br>Major's Farm<br>Route 1                 | Calloway<br>Silt Loam                | N -185<br>P <sub>2</sub> O <sub>5</sub> -23<br>K <sub>2</sub> O -150  | Lariat                                      | Furadan            | April 8           | Sept 16 &<br>17    |                               |
| 2) Princeton, KY<br>Western Kentucky<br>Res. & Ed. Center | Huntington<br>& Lindsie<br>Silt Loam | N - 150<br>P <sub>2</sub> O <sub>5</sub> -50<br>K <sub>2</sub> O 100  | Sutan +,<br>Aatrex<br>& Lasso               | Furadan            | April 30          | Oct. 13            |                               |
| 3) Owensboro, KY<br>Miles Farm                            | Melvin<br>Clay Loam                  | N - 216<br>P <sub>2</sub> O <sub>5</sub> -92<br>K <sub>2</sub> O 120  | Bullet                                      | Furadan            | April 29          | Oct. 5 & 6         |                               |
| 4) Hopkinsville, KY<br>Shaw Farm                          | Pembroke<br>Silt Loam                | N - 168<br>P <sub>2</sub> O <sub>5</sub> -65<br>K <sub>2</sub> O -42  | Sutan +<br>& Aatrex                         | Furadan            | April 7           | Sept 14<br>& 15    | Cultivated<br>one (1)time     |
| 5) Shelbyville, KY<br>Mike Ellis                          | Shelbyville<br>Silt Loam             | N - 180<br>P <sub>2</sub> O <sub>5</sub> - 0<br>K <sub>2</sub> O - 0  | Princep,<br>Aatrex, Gram-<br>oxone & Banvel | Furadan            | April 24          | Oct. 1 & 2         | No-Till<br>Soybean<br>Residue |
| 6) Frankfort, KY<br>Tommy Quarles                         | Nolin<br>Silt Loam                   | N - 170<br>P <sub>2</sub> O <sub>5</sub> - 0<br>K <sub>2</sub> O - 50 | Eradicane<br>Extra, Aatrex<br>& Beacon      | None               | June 12           |                    |                               |
| 7) Lexington, KY<br>K.A.E.S.<br>Spindletop Farm           | Lanton<br>Silt Loam                  | N - 150<br>P <sub>2</sub> O <sub>5</sub> - 0<br>K <sub>2</sub> O -100 | Sutan +,<br>Aatrex<br>& Lasso               | Furadan<br>& Sevin | May 11            | Oct. 7<br>& Oct. 9 |                               |
| 8) Quicksand, KY<br>Robinson<br>Forest Station            | Philo<br>Silt Loam                   | N - 160<br>P <sub>2</sub> O <sub>5</sub> 100<br>K <sub>2</sub> O -100 | Lasso,<br>Aatrex &<br>Beacon                | Furadan            | May 7             | Oct. 20            |                               |

**Table 4. —Annual Summary, 1992, All Non-Virus Locations**

| BRAND/HYBRID                                  | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|---|------------------------|------------------------|------------------------|-------------------------|
| <b>EARLY YELLOW HYBRIDS (17.0 - 18.1 %M)</b>  |                        |                        |                        |                         |
| PIONEER BRAND 3394                            | 183.1                  | 17.3                   | 91.6                   | 1.2                     |
| NORTHROP KING N6330                           | 181.3                  | 17.4                   | 92.3                   | 1.6                     |
| ICI/GARST 8513                                | 173.8                  | 17.9                   | 91.7                   | 1.6                     |
| PIONEER BRAND 3527                            | 172.8                  | 17.0                   | 89.9                   | 0.8                     |
| STINE SEEDS 1118                              | 170.1                  | 17.9                   | 89.3                   | 1.2                     |
| DEKALB DK633                                  | 169.5                  | 17.7                   | 90.8                   | 2.2                     |
| FR618 X FR600                                 | 166.8                  | 17.6                   | 93.4                   | 1.6                     |
| <b>MEDIUM YELLOW HYBRIDS (18.2 - 20.6 %M)</b> |                        |                        |                        |                         |
| PIONEER BRAND 3245                            | 194.9                  | 18.7                   | 91.5                   | 1.0                     |
| BECK'S 72X                                    | 193.8                  | 19.0                   | 92.3                   | 2.1                     |
| BO-JAC 9250                                   | 193.6                  | 19.8                   | 94.8                   | 0.3                     |
| PIONEER BRAND 3140                            | 193.4                  | 20.4                   | 90.8                   | 0.9                     |
| STEWART HYBRIDS S-9213                        | 192.5                  | 19.8                   | 94.6                   | 1.1                     |
| DEKALB DK646                                  | 191.9                  | 18.5                   | 91.0                   | 2.0                     |
| BO-JAC 629                                    | 191.5                  | 19.7                   | 94.4                   | 0.7                     |
| CARGILL 9027                                  | 191.4                  | 20.3                   | 93.0                   | 1.1                     |
| AGRIGOLD XA2002                               | 191.3                  | 19.8                   | 92.0                   | 0.4                     |
| NORTHROP KING N8727                           | 191.3                  | 20.5                   | 91.7                   | 1.4                     |
| AGRIGOLD A-6690                               | 191.2                  | 19.3                   | 94.7                   | 0.3                     |
| AGRATECH 787                                  | 191.1                  | 20.5                   | 94.3                   | 1.7                     |
| ADLERS 7850                                   | 190.6                  | 19.5                   | 92.3                   | 1.1                     |
| PRAIRIE STREAM SX702                          | 190.5                  | 19.7                   | 91.9                   | 2.3                     |
| DEKALB DK689                                  | 190.2                  | 20.0                   | 93.4                   | 0.7                     |
| SO. STATES SS812                              | 190.1                  | 19.3                   | 92.4                   | 0.6                     |
| PIONEER BRAND 3295                            | 189.0                  | 18.6                   | 92.2                   | 2.1                     |
| AGRATECH 757                                  | 189.0                  | 19.4                   | 92.3                   | 1.3                     |
| AGRIGOLD A-6715                               | 188.9                  | 19.7                   | 92.6                   | 1.1                     |
| GUTWEIN 2810                                  | 188.8                  | 19.5                   | 94.2                   | 1.3                     |
| COLBERT 324                                   | 188.2                  | 19.3                   | 93.0                   | 0.8                     |
| CROW'S 667                                    | 188.1                  | 19.2                   | 92.8                   | 1.5                     |
| NORTHROP KING X748                            | 187.8                  | 20.0                   | 93.5                   | 1.4                     |
| CAVERNDALE FM. CF 953                         | 187.6                  | 19.8                   | 88.9                   | 0.6                     |
| ADLERS 6130                                   | 187.5                  | 19.1                   | 94.6                   | 1.3                     |
| ZIMMERMAN Z27                                 | 187.3                  | 19.9                   | 90.7                   | 3.2                     |
| SO. CROSS 612                                 | 187.3                  | 20.2                   | 87.9                   | 0.4                     |
| BECK'S 68X                                    | 186.6                  | 18.9                   | 92.2                   | 0.4                     |
| COLBERT 230                                   | 186.5                  | 18.3                   | 93.0                   | 0.9                     |
| PRAIRIE STREAM SX556                          | 186.5                  | 19.4                   | 92.3                   | 0.9                     |
| GARST SEED 8315                               | 186.5                  | 19.8                   | 92.5                   | 1.7                     |
| ASGROW RX899                                  | 186.2                  | 19.4                   | 93.9                   | 1.3                     |
| PIONEER BRAND 3279                            | 186.1                  | 19.2                   | 91.9                   | 1.3                     |
| COLBERT 326                                   | 185.4                  | 19.4                   | 92.2                   | 3.0                     |
| GLICK SEED GH801                              | 184.9                  | 19.1                   | 92.6                   | 0.8                     |
| CARGILL 7997                                  | 184.5                  | 19.5                   | 91.1                   | 0.4                     |
| SO. CROSS 412                                 | 184.0                  | 19.2                   | 93.3                   | 0.6                     |
| CAVERNDALE FM. CF 800A                        | 183.4                  | 19.6                   | 90.4                   | 1.0                     |
| NC+ HYBRIDS NC+ 7304                          | 182.9                  | 20.1                   | 93.6                   | 1.0                     |
| NC+ HYBRIDS NC+ 6959                          | 182.6                  | 19.3                   | 90.7                   | 0.9                     |
| GUTWEIN 2751                                  | 182.5                  | 19.5                   | 92.9                   | 1.6                     |
| TERRA SEED TR1167                             | 181.5                  | 19.9                   | 92.5                   | 0.7                     |
| CALLAHAN C7269                                | 181.3                  | 19.7                   | 94.0                   | 0.9                     |
| CROW'S 669                                    | 181.3                  | 20.1                   | 93.3                   | 1.5                     |
| SO. STATES SS793                              | 181.1                  | 19.4                   | 92.3                   | 1.6                     |
| MCCURDY 7400                                  | 180.8                  | 19.5                   | 89.9                   | 1.4                     |
| GLICK SEED GH780                              | 180.7                  | 20.0                   | 91.5                   | 1.0                     |
| GUTWEIN 2680                                  | 180.6                  | 19.4                   | 90.3                   | 1.7                     |
| COLBERT 250                                   | 180.0                  | 18.5                   | 93.2                   | 0.6                     |
| CALLAHAN C776                                 | 179.7                  | 20.3                   | 91.7                   | 1.6                     |
| MCCURDY 7777                                  | 179.5                  | 19.9                   | 91.3                   | 2.3                     |
| CIBA-GEIGY 4631                               | 178.8                  | 20.0                   | 90.8                   | 1.3                     |
| ASGROW RX809                                  | 178.7                  | 18.7                   | 88.7                   | 1.4                     |
| NC+ HYBRIDS NC+ 6485                          | 178.2                  | 18.8                   | 91.8                   | 0.8                     |
| STEWART HYBRIDS S-8432                        | 178.2                  | 19.6                   | 92.9                   | 1.4                     |
| BECK'S 82MVP                                  | 178.1                  | 19.2                   | 89.7                   | 0.4                     |
| NORTHROP KING X701                            | 177.9                  | 19.1                   | 93.5                   | 0.7                     |
| TERRA SEED TR1180                             | 177.9                  | 20.5                   | 90.6                   | 1.3                     |
| SCOTT SEED LR 5241                            | 177.8                  | 18.9                   | 90.9                   | 1.1                     |
| SCOTT SEED LR 3350                            | 177.5                  | 19.1                   | 92.7                   | 1.6                     |
| NC+ HYBRIDS NC+ 5860                          | 177.3                  | 19.0                   | 92.3                   | 0.6                     |
| ICI/GARST 8260                                | 177.1                  | 20.2                   | 86.0                   | 0.7                     |
| GARST SEED 8250                               | 176.3                  | 20.0                   | 90.3                   | 1.1                     |
| AGRATECH 825                                  | 176.1                  | 20.5                   | 92.1                   | 0.9                     |

**Table 4. —Annual Summary, 1992, All Non-Virus Locations**  
*continued*

| BRAND/HYBRID                         | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOTAL %<br>LODGED<br>1992 |
|--------------------------------------|------------------------|------------------------|------------------------|---------------------------|
| JACQUES 7970                         | 176.0                  | 19.2                   | 92.5                   | 1.7                       |
| SCOTT SEED LR 3359                   | 175.3                  | 18.5                   | 92.0                   | 1.5                       |
| JACQUES 8210                         | 174.9                  | 19.5                   | 92.1                   | 1.6                       |
| CIBA-GEIGY 4583                      | 174.8                  | 19.7                   | 91.2                   | 1.0                       |
| SO. STATES SS790                     | 174.6                  | 18.9                   | 91.7                   | 1.2                       |
| MCCURDY 7477                         | 174.4                  | 20.1                   | 94.0                   | 1.6                       |
| CIBA-GEIGY 4651                      | 174.0                  | 19.8                   | 89.7                   | 1.9                       |
| PRAIRIE STREAM SX704                 | 173.2                  | 19.4                   | 91.2                   | 1.4                       |
| AGRIGENE GA-9586                     | 173.1                  | 20.6                   | 89.2                   | 2.0                       |
| TERRA SEED TR1160                    | 171.6                  | 19.1                   | 89.4                   | 1.1                       |
| TERRA SEED TR621E                    | 170.3                  | 19.5                   | 92.8                   | 1.7                       |
| STINE SEEDS 1181                     | 170.0                  | 19.5                   | 90.8                   | 0.6                       |
| SO. CROSS 411                        | 169.0                  | 18.8                   | 89.5                   | 0.9                       |
| BALDRIDGE BH 575                     | 166.4                  | 19.0                   | 91.1                   | 1.7                       |
| CROW'S 688                           | 166.4                  | 19.6                   | 87.8                   | 1.8                       |
| NORTHROP KING PX9540                 | 163.2                  | 19.0                   | 86.1                   | 1.6                       |
| FR27 X M017                          | 158.3                  | 18.2                   | 90.5                   | 2.3                       |
| BALDRIDGE BH 605                     | 149.9                  | 19.8                   | 90.9                   | 2.6                       |
| LATE YELLOW HYBRIDS (20.7 - 23.5 %M) |                        |                        |                        |                           |
| ASGROW RX919                         | 204.0*                 | 22.6                   | 93.8                   | 1.1                       |
| CIBA-GEIGY 4671                      | 197.1*                 | 21.1                   | 93.5                   | 0.8                       |
| PIONEER BRAND 3142                   | 196.8*                 | 21.2                   | 91.9                   | 1.8                       |
| DEKALB DK743                         | 195.1*                 | 21.2                   | 93.6                   | 3.2                       |
| SO. STATES SS943                     | 192.3                  | 23.5                   | 87.1                   | 1.0                       |
| PIONEER BRAND 3165                   | 189.7                  | 22.9                   | 94.3                   | 0.7                       |
| JACQUES 9220                         | 188.2                  | 20.7                   | 93.0                   | 2.3                       |
| CROW'S 670                           | 186.2                  | 21.8                   | 90.0                   | 2.4                       |
| DEKALB DK715                         | 184.9                  | 20.8                   | 91.5                   | 0.9                       |
| CAVERNDAL FM. CF 950                 | 183.7                  | 20.9                   | 91.0                   | 1.2                       |
| PIONEER BRAND 3154                   | 183.6                  | 21.0                   | 91.9                   | 2.5                       |
| STINE SEEDS 1171                     | 183.0                  | 20.7                   | 88.2                   | 0.4                       |
| JACQUES 8510                         | 181.4                  | 20.9                   | 94.4                   | 1.5                       |
| ASGROW RX947                         | 180.1                  | 22.1                   | 90.6                   | 0.8                       |
| STINE SEEDS 1250                     | 176.5                  | 20.7                   | 91.9                   | 1.5                       |
| FR27 X PA91                          | 175.3                  | 21.4                   | 91.7                   | 3.3                       |
| AGRIGENE AG-7880                     | 174.3                  | 20.8                   | 93.3                   | 2.1                       |
| CARGILL 8427                         | 173.7                  | 20.7                   | 90.1                   | 1.0                       |
| BO-JAC 905                           | 170.2                  | 20.7                   | 91.4                   | 0.5                       |
| STEWART HYBRIDS S-8815               | 168.5                  | 21.1                   | 90.9                   | 1.6                       |
| STEWART HYBRIDS HYL 1                | 160.3                  | 21.4                   | 86.1                   | 4.1                       |
| YELLOW AVERAGE                       | 181.5                  | 19.7                   | 91.7                   | 1.3                       |
| WHITE HYBRIDS                        |                        |                        |                        |                           |
| ZIMMERMAN Z61W                       | 183.5                  | 20.3                   | 92.6                   | 1.8                       |
| CARGILL 9402W                        | 183.1                  | 22.0                   | 94.0                   | 1.8                       |
| ASGROW XP8091W                       | 182.6                  | 19.8                   | 90.3                   | 1.4                       |
| SO. STATES SS917W                    | 180.7                  | 21.8                   | 92.9                   | 3.6                       |
| ICI/GARST N9122W                     | 179.6                  | 21.6                   | 91.4                   | 1.5                       |
| PIONEER BRAND 3281W                  | 179.2                  | 20.3                   | 92.3                   | 0.7                       |
| ZIMMERMAN Z63W                       | 178.3                  | 21.8                   | 89.7                   | 2.8                       |
| CARGILL 9400W                        | 176.7                  | 22.3                   | 93.8                   | 1.4                       |
| NC+ HYBRIDS NC+ 6555W                | 176.7                  | 20.1                   | 91.9                   | 1.1                       |
| CIBA-GEIGY 4652W                     | 176.1                  | 21.9                   | 91.9                   | 2.2                       |
| VINEYARD SEED MV-58W                 | 175.2                  | 20.9                   | 92.1                   | 1.4                       |
| SO. STATES SS922W                    | 173.9                  | 23.6                   | 94.2                   | 1.0                       |
| ZIMMERMAN Z16W                       | 173.8                  | 22.7                   | 93.2                   | 2.9                       |
| AGRIGOLD A-6796W                     | 173.8                  | 22.3                   | 91.7                   | 1.8                       |
| NORTHROP KING X780W                  | 173.3                  | 20.4                   | 92.8                   | 0.9                       |
| NORTHROP KING N8565W                 | 170.6                  | 22.6                   | 91.7                   | 1.8                       |
| ICI/SC W707                          | 169.6                  | 22.0                   | 89.9                   | 2.7                       |
| VINEYARD SEED MV-68W                 | 164.3                  | 22.3                   | 93.7                   | 1.0                       |
| VINEYARD SEED V-449W                 | 162.1                  | 19.9                   | 90.9                   | 1.6                       |
| NOBLE BEAR NB 739W                   | 154.2                  | 19.7                   | 87.9                   | 1.5                       |
| NOBLE BEAR NB 742W                   | 152.4                  | 19.4                   | 90.0                   | 2.8                       |
| NOBLE BEAR NB 747W                   | 147.5                  | 19.2                   | 85.9                   | 1.5                       |
| WHITE AVERAGE                        | 172.1                  | 21.2                   | 91.6                   | 1.8                       |
| GRAND AVERAGE                        | 179.9                  | 20.0                   | 91.7                   | 1.4                       |
| LSD (0.10)                           | 8.9                    | 0.7                    | 2.9                    | 2.0                       |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

**Table 5. —Two-Year Summary, All Non-Virus Locations, 1992-1991**

| BRAND/HYBRID           | YIELD<br>BU/AC<br>91-92 | AVG %<br>MOIST<br>91-92 | AVG %<br>STAND<br>91-92 | TOT %<br>LODGED<br>91-92 |
|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| EARLY YELLOW HYBRIDS   |                         |                         |                         |                          |
| PIONEER BRAND 3394     | 150.5                   | 15.3                    | 87.6                    | 2.4                      |
| STINE SEEDS 1118       | 141.9                   | 15.5                    | 84.2                    | 1.8                      |
| MEDIUM YELLOW HYBRIDS  |                         |                         |                         |                          |
| BO-JAC 9250            | 162.7*                  | 16.8                    | 90.6                    | 1.4                      |
| BECK'S 72X             | 159.6*                  | 16.4                    | 87.6                    | 4.8                      |
| PIONEER BRAND 3140     | 157.4*                  | 17.2                    | 86.3                    | 2.8                      |
| NORTHROP KING N8727    | 157.4*                  | 18.1                    | 88.9                    | 1.8                      |
| BO-JAC 629             | 157.1*                  | 16.8                    | 88.7                    | 1.6                      |
| STEWART HYBRIDS S-9213 | 156.9                   | 16.7                    | 90.8                    | 1.4                      |
| BECK'S 68X             | 156.6                   | 16.3                    | 88.9                    | 1.2                      |
| ZIMMERMAN Z27          | 156.0                   | 16.7                    | 87.0                    | 3.5                      |
| COLBERT 326            | 155.8                   | 16.6                    | 90.1                    | 2.9                      |
| AGRIGOLD A-6690        | 155.6                   | 16.6                    | 89.6                    | 2.0                      |
| CARGILL 7997           | 155.6                   | 17.1                    | 88.6                    | 1.9                      |
| SO. STATES SS793       | 155.0                   | 16.8                    | 89.9                    | 2.2                      |
| ADLERS 6130            | 154.7                   | 16.3                    | 89.9                    | 2.6                      |
| GLICK SEED GH801       | 154.6                   | 16.5                    | 88.8                    | 1.5                      |
| MCCURDY 7400           | 154.4                   | 16.7                    | 85.9                    | 2.6                      |
| PIONEER BRAND 3245     | 154.0                   | 16.2                    | 87.7                    | 1.9                      |
| PIONEER BRAND 3295     | 153.9                   | 16.1                    | 86.2                    | 2.7                      |
| AGRIGOLD A-6715        | 153.6                   | 16.7                    | 89.9                    | 1.2                      |
| MCCURDY 7777           | 153.5                   | 17.3                    | 86.5                    | 3.8                      |
| CARGILL 9027           | 153.4                   | 17.6                    | 88.5                    | 2.6                      |
| DEKALB DK689           | 152.6                   | 17.2                    | 88.4                    | 3.0                      |
| AGRATECH 787           | 151.9                   | 17.1                    | 87.7                    | 2.4                      |
| PRAIRIE STREAM SX702   | 151.4                   | 16.6                    | 86.3                    | 5.6                      |
| ASGROW RX809           | 150.2                   | 16.3                    | 85.0                    | 3.9                      |
| GARST SEED 8315        | 150.1                   | 16.8                    | 87.8                    | 3.0                      |
| COLBERT 230            | 150.0                   | 15.6                    | 88.0                    | 1.9                      |
| COLBERT 324            | 149.5                   | 16.7                    | 89.7                    | 1.1                      |
| JACQUES 8210           | 149.1                   | 17.2                    | 89.4                    | 2.4                      |
| MCCURDY 7477           | 148.8                   | 17.2                    | 89.0                    | 2.3                      |
| SO. STATES SS812       | 148.7                   | 16.3                    | 87.4                    | 1.9                      |
| ASGROW RX899           | 147.8                   | 16.5                    | 89.6                    | 1.5                      |
| SCOTT SEED LR 3359     | 147.7                   | 16.0                    | 88.7                    | 1.8                      |
| TERRA SEED TR1180      | 147.7                   | 17.3                    | 88.3                    | 2.4                      |
| JACQUES 7970           | 147.5                   | 16.9                    | 88.9                    | 2.8                      |
| GARST SEED 8250        | 147.3                   | 17.2                    | 88.0                    | 1.3                      |
| CALLAHAN C776          | 147.0                   | 17.5                    | 89.2                    | 2.6                      |
| SCOTT SEED LR 5241     | 146.6                   | 16.5                    | 87.9                    | 2.7                      |
| CIBA-GEIGY 4631        | 146.4                   | 17.5                    | 86.8                    | 2.2                      |
| CROW'S 669             | 146.1                   | 17.4                    | 88.7                    | 2.4                      |
| SO. STATES SS790       | 145.4                   | 16.5                    | 88.0                    | 1.8                      |
| CIBA-GEIGY 4651        | 145.0                   | 17.1                    | 87.3                    | 2.0                      |
| GLICK SEED GH780       | 145.0                   | 17.2                    | 85.7                    | 3.6                      |
| AGRATECH 757           | 144.3                   | 16.4                    | 87.3                    | 1.7                      |
| AGRATECH 825           | 144.1                   | 17.7                    | 89.4                    | 1.7                      |



**Table 5. —Two-Year Summary, All Non-Virus Locations, 1992-1991**  
*continued*

| BRAND/HYBRID               | YIELD          | AVG %          | AVG %          | TOT %           |
|----------------------------|----------------|----------------|----------------|-----------------|
|                            | BU/AC<br>91-92 | MOIST<br>91-92 | STAND<br>91-92 | LODGED<br>91-92 |
| CROW'S 688                 | 142.8          | 17.0           | 84.1           | 3.5             |
| NORTHROP KING PX9540       | 141.9          | 16.5           | 85.6           | 1.5             |
| SCOTT SEED LR 3350         | 141.1          | 16.8           | 86.0           | 1.9             |
| STINE SEEDS 1181           | 140.4          | 16.6           | 86.8           | 1.2             |
| SO. CROSS 411              | 138.7          | 16.4           | 85.3           | 1.4             |
| BALDRIDGE BH 575           | 132.9          | 16.6           | 87.4           | 2.5             |
| FR27 X MO17                | 132.3          | 15.8           | 83.3           | 4.2             |
| <b>LATE YELLOW HYBRIDS</b> |                |                |                |                 |
| DEKALB DK743               | 163.5*         | 18.0           | 88.4           | 6.8             |
| ASGROW RX919               | 163.3*         | 18.5           | 86.6           | 4.5             |
| CIBA-GEIGY 4671            | 156.5          | 17.7           | 88.2           | 2.5             |
| PIONEER BRAND 3165         | 155.8          | 19.0           | 88.5           | 2.2             |
| PIONEER BRAND 3154         | 154.4          | 17.8           | 86.5           | 5.3             |
| DEKALB DK715               | 153.8          | 17.9           | 86.7           | 1.4             |
| PIONEER BRAND 3142         | 152.7          | 17.7           | 86.0           | 4.1             |
| CROW'S 670                 | 150.1          | 17.8           | 85.5           | 4.7             |
| ASGROW RX947               | 149.7          | 18.3           | 87.3           | 3.4             |
| CARGILL 8427               | 147.8          | 17.6           | 88.0           | 1.6             |
| BO-JAC 905                 | 146.6          | 17.5           | 87.2           | 1.4             |
| CAVERDALE FM. CF 950       | 144.4          | 17.3           | 85.9           | 3.4             |
| FR27 X PA91                | 141.4          | 18.5           | 87.5           | 5.3             |
| STEWART HYBRIDS S-8815     | 138.6          | 18.0           | 85.9           | 2.6             |
| <b>YELLOW AVERAGE</b>      | <b>150.1</b>   | <b>17.0</b>    | <b>87.6</b>    | <b>2.6</b>      |
| <b>WHITE HYBRIDS</b>       |                |                |                |                 |
| SO. STATES SS917W          | 148.0          | 18.8           | 89.0           | 4.3             |
| ZIMMERMAN Z63W             | 147.6          | 18.4           | 87.5           | 3.9             |
| ZIMMERMAN Z61W             | 146.7          | 17.2           | 88.0           | 2.7             |
| PIONEER BRAND 3281W        | 146.0          | 17.3           | 89.4           | 2.5             |
| VINEYARD SEED MV-58W       | 144.4          | 17.9           | 88.5           | 2.8             |
| CARGILL 9400W              | 143.5          | 19.3           | 89.9           | 4.1             |
| AGRIGOLD A-6796W           | 140.5          | 19.2           | 89.7           | 3.0             |
| ICI/SC W707                | 140.1          | 18.7           | 86.7           | 3.6             |
| VINEYARD SEED MV-68W       | 139.0          | 19.1           | 90.5           | 2.8             |
| NORTHROP KING N8565W       | 138.2          | 19.8           | 88.9           | 2.5             |
| ZIMMERMAN Z16W             | 138.1          | 19.1           | 88.8           | 3.6             |
| NOBLE BEAR NB 742W         | 131.3          | 17.0           | 84.8           | 3.2             |
| NOBLE BEAR NB 739W         | 130.1          | 16.9           | 85.0           | 3.5             |
| NOBLE BEAR NB 747W         | 122.7          | 16.7           | 77.9           | 4.4             |
| <b>WHITE AVERAGE</b>       | <b>139.7</b>   | <b>18.2</b>    | <b>87.5</b>    | <b>3.3</b>      |
| <b>GRAND AVERAGE</b>       | <b>148.3</b>   | <b>17.2</b>    | <b>87.6</b>    | <b>2.7</b>      |
| <b>LSD (0.10)</b>          | <b>6.4</b>     | <b>0.5</b>     | <b>2.2</b>     | <b>1.3</b>      |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

**Table 6. —Three-Year Summary, All Non-Virus Locations, 1992-1990**

| BRAND/HYBRID                 | YIELD<br>BU/AC<br>90-92 | AVG %<br>MOIST<br>90-92 | AVG %<br>STAND<br>90-92 | TOT %<br>LODGED<br>90-92 |
|------------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| <b>MEDIUM YELLOW HYBRIDS</b> |                         |                         |                         |                          |
| BO-JAC 9250                  | 150.5*                  | 19.0                    | 90.0                    | 1.4                      |
| BECK'S 72X                   | 148.4*                  | 17.9                    | 87.6                    | 6.1                      |
| ZIMMERMAN Z27                | 148.2*                  | 19.1                    | 87.1                    | 3.9                      |
| COLBERT 326                  | 147.5*                  | 18.8                    | 89.1                    | 4.3                      |
| PIONEER BRAND 3140           | 147.5*                  | 18.9                    | 85.9                    | 2.9                      |
| ADLERS 6130                  | 145.8*                  | 18.3                    | 88.3                    | 2.6                      |
| CARGILL 9027                 | 145.5*                  | 19.9                    | 89.0                    | 2.4                      |
| NORTHRUP KING N8727          | 145.4*                  | 20.3                    | 87.7                    | 1.8                      |
| PIONEER BRAND 3295           | 145.0                   | 18.0                    | 87.6                    | 2.7                      |
| AGRIGOLD A-6715              | 143.5                   | 18.9                    | 89.1                    | 1.8                      |
| GARST SEED 8315              | 143.5                   | 19.0                    | 87.6                    | 4.8                      |
| MCCURDY 7777                 | 143.4                   | 19.4                    | 86.1                    | 4.5                      |
| PRAIRIE STREAM SX702         | 143.2                   | 18.3                    | 87.0                    | 6.9                      |
| SO. STATES SS793             | 143.2                   | 18.7                    | 89.0                    | 2.1                      |
| COLBERT 324                  | 141.1                   | 18.9                    | 89.3                    | 1.4                      |
| GARST SEED 8250              | 140.4                   | 18.9                    | 88.5                    | 1.5                      |
| DEKALB DK689                 | 140.3                   | 19.5                    | 86.8                    | 4.3                      |
| TERRA SEED TR1180            | 140.1                   | 19.3                    | 87.9                    | 2.5                      |
| JACQUES 8210                 | 139.9                   | 19.3                    | 89.0                    | 2.9                      |
| MCCURDY 7477                 | 139.6                   | 19.0                    | 89.0                    | 2.1                      |
| CALLAHAN C776                | 138.8                   | 19.2                    | 89.0                    | 2.6                      |
| SO. STATES SS790             | 138.6                   | 18.4                    | 87.6                    | 2.4                      |
| CROW'S 688                   | 136.7                   | 18.8                    | 84.2                    | 4.6                      |
| AGRATECH 825                 | 136.0                   | 19.4                    | 88.9                    | 1.6                      |
| CROW'S 669                   | 135.0                   | 19.2                    | 87.6                    | 3.0                      |
| SCOTT SEED LR 3350           | 134.8                   | 18.8                    | 86.1                    | 2.0                      |
| SCOTT SEED LR 5241           | 134.0                   | 18.5                    | 85.0                    | 3.3                      |
| GLICK SEED GH780             | 133.5                   | 19.2                    | 84.1                    | 3.6                      |
| SO. CROSS 411                | 130.9                   | 18.3                    | 85.9                    | 1.3                      |
| FR27 X M017                  | 128.7                   | 17.8                    | 83.9                    | 4.4                      |
| <b>LATE YELLOW HYBRIDS</b>   |                         |                         |                         |                          |
| PIONEER BRAND 3165           | 146.3*                  | 21.4                    | 87.4                    | 2.5                      |
| PIONEER BRAND 3154           | 145.8*                  | 19.7                    | 86.0                    | 6.5                      |
| DEKALB DK715                 | 142.4                   | 19.9                    | 86.2                    | 1.8                      |
| PIONEER BRAND 3142           | 142.3                   | 19.7                    | 86.7                    | 4.3                      |
| ASGROW RX947                 | 140.8                   | 20.7                    | 86.9                    | 3.3                      |
| CROW'S 670                   | 140.1                   | 19.8                    | 84.6                    | 4.3                      |
| CARGILL 8427                 | 139.6                   | 19.4                    | 88.5                    | 1.6                      |
| BO-JAC 905                   | 138.4                   | 19.5                    | 87.0                    | 1.6                      |
| CAVERNDALE FM. CF 950        | 137.5                   | 19.6                    | 85.2                    | 2.9                      |
| FR27 X PA91                  | 133.9                   | 20.6                    | 88.0                    | 5.4                      |
| STEWART HYBRIDS S-8815       | 130.1                   | 20.3                    | 86.7                    | 2.6                      |
| <b>YELLOW AVERAGE</b>        | <b>140.6</b>            | <b>19.2</b>             | <b>87.2</b>             | <b>3.1</b>               |
| <b>WHITE HYBRIDS</b>         |                         |                         |                         |                          |
| SO. STATES SS917W            | 137.6                   | 20.9                    | 88.0                    | 5.5                      |
| ZIMMERMAN Z61W               | 136.3                   | 19.1                    | 86.1                    | 2.8                      |
| CARGILL 9400W                | 134.9                   | 21.3                    | 89.3                    | 4.1                      |
| AGRIGOLD A-6796W             | 131.9                   | 21.3                    | 90.2                    | 4.1                      |
| ICI/SC W707                  | 131.8                   | 21.1                    | 87.0                    | 3.9                      |
| NORTHRUP KING N8565W         | 128.0                   | 22.0                    | 87.8                    | 2.6                      |
| NOBLE BEAR NB 742W           | 127.0                   | 18.8                    | 84.2                    | 3.9                      |
| <b>WHITE AVERAGE</b>         | <b>132.5</b>            | <b>20.6</b>             | <b>87.5</b>             | <b>3.8</b>               |
| <b>GRAND AVERAGE</b>         | <b>139.4</b>            | <b>19.4</b>             | <b>87.3</b>             | <b>3.2</b>               |
| <b>LSD (0.10)</b>            | <b>5.2</b>              | <b>0.4</b>              | <b>1.8</b>              | <b>1.1</b>               |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.



**Table 7. — Annual Summary, Hickman**

| BRAND/HYBRID                 | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| <b>EARLY YELLOW HYBRIDS</b>  |                         |                         |                        |                        |                        |                         |
| FR618 X FR600                |                         |                         | 177.7*                 | 17.4                   | 94.4                   | 0.5                     |
| PIONEER BRAND 3394           |                         | 161.8                   | 164.2                  | 15.6                   | 96.8                   | 0.0                     |
| NORTHROP KING N6330          |                         |                         | 163.4                  | 16.6                   | 88.4                   | 3.1                     |
| ICI/GARST 8513               |                         |                         | 156.7                  | 16.9                   | 91.2                   | 2.0                     |
| STINE SEEDS 1118             |                         | 157.9                   | 155.5                  | 17.6                   | 86.6                   | 2.1                     |
| PIONEER BRAND 3527           |                         |                         | 152.9                  | 17.1                   | 88.0                   | 2.2                     |
| DEKALB DK633                 |                         |                         | 149.5                  | 16.9                   | 86.6                   | 2.2                     |
| <b>MEDIUM YELLOW HYBRIDS</b> |                         |                         |                        |                        |                        |                         |
| JACQUES 7970                 |                         | 173.4*                  | 183.9*                 | 19.2                   | 93.5                   | 1.1                     |
| PRAIRIE STREAM SX702         | 140.9*                  | 171.5*                  | 183.8*                 | 18.4                   | 94.0                   | 1.5                     |
| PIONEER BRAND 3245           |                         | 161.8                   | 183.0*                 | 16.9                   | 91.2                   | 0.5                     |
| AGRATECH 787                 |                         | 165.8*                  | 178.9*                 | 18.9                   | 94.9                   | 2.4                     |
| BO-JAC 9250                  | 150.2*                  | 179.5*                  | 178.9*                 | 18.7                   | 93.5                   | 0.0                     |
| AGRIGOLD A-6690              |                         | 175.1*                  | 178.5*                 | 18.8                   | 94.4                   | 0.0                     |
| PIONEER BRAND 3140           | 138.5*                  | 167.8*                  | 177.8*                 | 19.7                   | 89.8                   | 1.5                     |
| DEKALB DK689                 | 145.3*                  | 175.2*                  | 176.8*                 | 19.2                   | 93.5                   | 0.0                     |
| AGRIGOLD A-6715              | 141.3*                  | 175.4*                  | 176.5*                 | 17.8                   | 95.4                   | 2.0                     |
| ADLERS 7850                  |                         |                         | 176.0*                 | 18.1                   | 94.4                   | 1.0                     |
| DEKALB DK646                 |                         |                         | 176.0*                 | 17.9                   | 90.3                   | 2.6                     |
| BO-JAC 629                   |                         | 165.5*                  | 175.7*                 | 18.6                   | 96.8                   | 0.5                     |
| NORTHROP KING N8727          | 146.8*                  | 174.3*                  | 174.6*                 | 19.8                   | 89.8                   | 1.5                     |
| NORTHROP KING X748           |                         |                         | 174.2*                 | 18.5                   | 92.6                   | 1.0                     |
| MCCURDY 7477                 | 120.3                   | 141.3                   | 173.7*                 | 19.6                   | 91.7                   | 1.0                     |
| ZIMMERMAN Z27                | 144.6*                  | 171.3*                  | 173.7*                 | 18.5                   | 88.9                   | 0.5                     |
| GARST SEED 8315              | 144.7*                  | 174.6*                  | 173.3*                 | 18.4                   | 94.0                   | 0.5                     |
| SO. CROSS 412                |                         |                         | 172.5*                 | 18.1                   | 97.2                   | 0.9                     |
| GLICK SEED GH801             |                         | 157.9                   | 172.1*                 | 18.8                   | 94.4                   | 0.5                     |
| SO. CROSS 612                |                         |                         | 172.1*                 | 18.9                   | 86.1                   | 0.0                     |
| AGRIGOLD XA2002              |                         |                         | 171.8*                 | 18.4                   | 90.3                   | 1.0                     |
| STEWART HYBRIDS S-9213       |                         | 177.3*                  | 170.6*                 | 18.7                   | 96.8                   | 1.4                     |
| AGRATECH 757                 |                         | 156.9                   | 170.5*                 | 17.9                   | 90.7                   | 1.0                     |
| NORTHROP KING X701           |                         |                         | 170.5*                 | 18.6                   | 90.3                   | 0.5                     |
| CROW'S 667                   |                         |                         | 170.4*                 | 17.6                   | 91.7                   | 2.0                     |
| BECK'S 68X                   |                         | 168.2*                  | 170.1*                 | 17.9                   | 88.4                   | 0.0                     |
| NC+ HYBRIDS NC+ 6959         |                         |                         | 169.4*                 | 18.5                   | 94.4                   | 0.0                     |
| COLBERT 230                  |                         | 158.2                   | 168.8*                 | 17.4                   | 93.5                   | 0.5                     |
| SO. STATES SS793             | 139.7*                  | 160.9                   | 168.8*                 | 19.0                   | 93.5                   | 2.5                     |
| BECK'S 72X                   | 144.1*                  | 174.8*                  | 168.7*                 | 18.4                   | 94.0                   | 2.0                     |
| GUTWEIN 2680                 |                         |                         | 168.7*                 | 18.7                   | 91.7                   | 2.6                     |
| BECK'S 82MVP                 |                         |                         | 168.4*                 | 18.4                   | 85.6                   | 1.0                     |
| FR27 X M017                  | 128.6                   | 141.6                   | 167.9*                 | 17.7                   | 89.4                   | 0.0                     |
| MCCURDY 7777                 | 141.3*                  | 164.3*                  | 167.4*                 | 19.1                   | 92.1                   | 2.9                     |
| CAVERNDAL FM. CF 953         |                         |                         | 167.2*                 | 18.5                   | 86.6                   | 0.5                     |
| CIBA-GEIGY 4651              |                         | 165.7*                  | 167.2*                 | 19.9                   | 88.9                   | 2.1                     |
| PIONEER BRAND 3295           | 137.4*                  | 166.6*                  | 166.5                  | 17.6                   | 94.4                   | 2.0                     |
| COLBERT 324                  | 135.7                   | 162.1                   | 166.1                  | 17.7                   | 88.4                   | 2.1                     |
| CALLAHAN C776                | 140.2*                  | 162.6                   | 165.8                  | 20.1                   | 87.0                   | 0.5                     |
| GARST SEED 8250              | 146.9*                  | 175.3*                  | 165.5                  | 19.4                   | 88.9                   | 2.2                     |
| CROW'S 688                   |                         | 132.7                   | 165.3                  | 18.5                   | 84.3                   | 4.4                     |
| CARGILL 9027                 | 136.6*                  | 154.3                   | 164.7                  | 19.4                   | 92.1                   | 0.5                     |
| GUTWEIN 2751                 |                         |                         | 164.7                  | 18.5                   | 96.8                   | 1.4                     |
| NC+ HYBRIDS NC+ 7304         |                         |                         | 164.6                  | 19.0                   | 95.8                   | 1.9                     |
| GLICK SEED GH780             | 136.3                   | 163.0                   | 164.5                  | 19.0                   | 89.4                   | 0.0                     |
| JACQUES 8210                 | 129.9                   | 155.4                   | 163.6                  | 18.7                   | 90.7                   | 1.0                     |
| SO. STATES SS812             |                         | 159.6                   | 163.4                  | 19.7                   | 95.8                   | 0.5                     |
| ASGROW RX809                 |                         | 165.6*                  | 162.9                  | 18.5                   | 88.4                   | 0.5                     |
| NC+ HYBRIDS NC+ 5860         |                         |                         | 162.7                  | 18.1                   | 94.9                   | 1.0                     |
| CROW'S 669                   | 130.0                   | 157.6                   | 162.5                  | 18.3                   | 91.2                   | 3.6                     |
| ADLERS 6130                  | 132.1                   | 153.4                   | 162.4                  | 18.1                   | 94.0                   | 1.5                     |
| PRAIRIE STREAM SX556         |                         |                         | 161.6                  | 18.0                   | 86.6                   | 0.5                     |
| ASGROW RX899                 |                         | 157.3                   | 161.4                  | 18.1                   | 96.8                   | 1.0                     |
| AGRATECH 825                 | 129.0                   | 153.9                   | 161.0                  | 20.8                   | 96.8                   | 1.4                     |
| CAVERNDAL FM. CF 800A        |                         |                         | 160.8                  | 19.8                   | 89.8                   | 1.1                     |
| COLBERT 250                  |                         |                         | 160.5                  | 17.0                   | 92.6                   | 0.5                     |
| ICI/GARST 8260               |                         |                         | 160.4                  | 18.0                   | 86.6                   | 0.0                     |
| CALLAHAN C7269               |                         |                         | 160.0                  | 19.2                   | 92.1                   | 2.0                     |
| CIBA-GEIGY 4631              |                         | 152.5                   | 159.8                  | 18.7                   | 90.3                   | 0.5                     |
| CIBA-GEIGY 4583              |                         |                         | 159.6                  | 18.8                   | 90.3                   | 1.5                     |
| SCOTT SEED LR 3350           | 127.0                   | 149.2                   | 159.5                  | 18.6                   | 92.1                   | 1.0                     |
| COLBERT 326                  | 138.5*                  | 162.6                   | 159.1                  | 18.2                   | 89.8                   | 3.6                     |
| PRAIRIE STREAM SX704         |                         |                         | 158.6                  | 17.2                   | 92.6                   | 3.0                     |
| SCOTT SEED LR 3359           |                         | 163.3*                  | 158.4                  | 18.1                   | 92.6                   | 1.9                     |

**Table 7. —Annual Summary, Hickman continued**

| BRAND/HYBRID           | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| CARGILL 7997           |                         | 168.3*                  | 158.0                  | 18.9                   | 93.5                   | 0.0                     |
| SCOTT SEED LR 5241     | 126.0                   | 157.9                   | 156.9                  | 18.6                   | 90.3                   | 1.5                     |
| SO. CROSS 411          | 128.2                   | 147.4                   | 156.4                  | 17.4                   | 83.3                   | 1.1                     |
| PIONEER BRAND 3279     |                         |                         | 155.6                  | 17.5                   | 89.4                   | 1.5                     |
| AGRIGENE GA-9586       |                         |                         | 154.4                  | 19.9                   | 91.2                   | 3.1                     |
| NC+ HYBRIDS NC+ 6485   |                         |                         | 154.2                  | 18.8                   | 86.6                   | 0.0                     |
| GUTWEIN 2810           |                         |                         | 153.0                  | 20.0                   | 93.1                   | 1.0                     |
| TERRA SEED TR1160      |                         |                         | 153.0                  | 19.8                   | 89.4                   | 1.6                     |
| STEWART HYBRIDS S-8432 |                         |                         | 152.2                  | 19.5                   | 95.8                   | 0.0                     |
| BALDRIDGE BH 575       |                         | 155.0                   | 150.2                  | 17.1                   | 94.4                   | 2.0                     |
| SO. STATES SS790       | 125.0                   | 143.2                   | 150.2                  | 18.7                   | 92.1                   | 1.5                     |
| TERRA SEED TR1180      | 123.3                   | 144.4                   | 149.7                  | 19.9                   | 90.7                   | 0.0                     |
| STINE SEEDS 1181       |                         | 129.0                   | 148.8                  | 18.5                   | 92.1                   | 1.0                     |
| TERRA SEED TR1167      |                         |                         | 147.6                  | 20.6                   | 88.0                   | 1.2                     |
| TERRA SEED TR621E      |                         |                         | 147.6                  | 19.9                   | 93.1                   | 1.5                     |
| NORTHROP KING PX9540   |                         | 144.4                   | 145.7                  | 19.5                   | 80.6                   | 0.6                     |
| BALDRIDGE BH 605       |                         |                         | 144.2                  | 19.3                   | 90.3                   | 2.6                     |
| MCCURDY 7400           |                         | 150.4                   | 140.0                  | 19.2                   | 86.6                   | 1.7                     |
| LATE YELLOW HYBRIDS    |                         |                         |                        |                        |                        |                         |
| PIONEER BRAND 3165     | 135.8                   | 171.9*                  | 185.2*                 | 21.4                   | 94.0                   | 0.5                     |
| SO. STATES SS943       |                         |                         | 181.4*                 | 20.1                   | 89.4                   | 1.0                     |
| ASGROW RX919           |                         | 174.0*                  | 180.8*                 | 21.7                   | 92.1                   | 0.5                     |
| JACQUES 8510           |                         |                         | 179.4*                 | 21.6                   | 94.9                   | 2.5                     |
| PIONEER BRAND 3142     | 130.8                   | 157.1                   | 173.0*                 | 19.8                   | 91.7                   | 1.5                     |
| AGRIGENE AG-7880       |                         |                         | 172.9*                 | 20.6                   | 94.0                   | 4.4                     |
| DEKALB DK743           |                         | 181.8*                  | 172.3*                 | 21.2                   | 95.8                   | 2.0                     |
| FR27 X PA91            | 121.1                   | 149.0                   | 168.0*                 | 21.3                   | 91.2                   | 3.5                     |
| CIBA-GEIGY 4671        |                         | 163.6*                  | 167.8*                 | 20.2                   | 93.1                   | 2.5                     |
| STINE SEEDS 1171       |                         |                         | 167.4*                 | 18.9                   | 87.0                   | 0.5                     |
| CARGILL 8427           | 145.2*                  | 170.8*                  | 166.6                  | 18.7                   | 85.2                   | 1.6                     |
| PIONEER BRAND 3154     | 148.0*                  | 173.7*                  | 166.6                  | 18.8                   | 92.1                   | 0.0                     |
| CROW'S 670             | 124.0                   | 148.7                   | 164.6                  | 20.0                   | 87.0                   | 2.7                     |
| JACQUES 9220           |                         |                         | 162.9                  | 20.6                   | 90.7                   | 4.6                     |
| DEKALB DK715           | 137.9*                  | 167.6*                  | 162.4                  | 19.6                   | 92.6                   | 1.5                     |
| STINE SEEDS 1250       |                         |                         | 157.9                  | 20.9                   | 94.4                   | 1.0                     |
| CAVERNDAL FM. CF 950   | 127.4                   | 149.8                   | 155.8                  | 21.1                   | 91.2                   | 0.0                     |
| ASGROW RX947           | 127.1                   | 151.9                   | 155.5                  | 21.4                   | 89.8                   | 1.5                     |
| STEWART HYBRIDS S-8815 | 129.9                   | 162.6                   | 152.8                  | 21.0                   | 87.5                   | 0.5                     |
| STEWART HYBRIDS HYL 1  |                         |                         | 150.5                  | 20.4                   | 85.2                   | 3.3                     |
| BO-JAC 905             | 133.7                   | 156.5                   | 148.9                  | 19.3                   | 89.4                   | 0.0                     |
| YELLOW AVERAGE         | 135.2                   | 161.2                   | 164.7                  | 18.9                   | 91.2                   | 1.4                     |
| WHITE HYBRIDS          |                         |                         |                        |                        |                        |                         |
| SO. STATES SS917W      | 139.1*                  | 172.9*                  | 179.3*                 | 22.5                   | 91.7                   | 2.2                     |
| ASGROW XP8091W         |                         |                         | 168.7*                 | 19.9                   | 86.6                   | 2.7                     |
| NC+ HYBRIDS NC+ 6555W  |                         |                         | 164.9                  | 19.3                   | 90.3                   | 2.6                     |
| NORTHROP KING N8565W   | 133.0                   | 161.7                   | 164.6                  | 21.2                   | 93.1                   | 1.5                     |
| NORTHROP KING X780W    |                         |                         | 162.9                  | 21.1                   | 92.6                   | 2.5                     |
| CARGILL 9400W          | 126.1                   | 149.6                   | 162.4                  | 21.6                   | 91.7                   | 2.5                     |
| CARGILL 9402W          |                         |                         | 162.3                  | 22.0                   | 91.2                   | 1.0                     |
| ICI/GARST N9122W       |                         |                         | 161.9                  | 20.1                   | 91.2                   | 0.5                     |
| CIBA-GEIGY 4652W       |                         |                         | 158.9                  | 20.5                   | 90.3                   | 4.3                     |
| VINEYARD SEED MV-58W   |                         | 159.3                   | 156.3                  | 21.1                   | 89.8                   | 1.5                     |
| ZIMMERMAN Z61W         | 135.0                   | 166.8*                  | 155.8                  | 19.0                   | 88.9                   | 1.1                     |
| VINEYARD SEED MV-68W   |                         | 160.2                   | 155.2                  | 22.7                   | 93.1                   | 3.6                     |
| NOBLE BEAR NB 742W     | 122.8                   | 147.4                   | 154.8                  | 19.9                   | 94.9                   | 2.4                     |
| PIONEER BRAND 3281W    |                         | 165.9*                  | 154.8                  | 18.4                   | 89.8                   | 1.0                     |
| ZIMMERMAN Z63W         |                         | 169.9*                  | 151.8                  | 20.7                   | 89.8                   | 4.1                     |
| ZIMMERMAN Z16W         |                         | 146.1                   | 151.6                  | 21.3                   | 88.9                   | 2.6                     |
| AGRIGOLD A-6796W       | 127.5                   | 153.9                   | 149.7                  | 22.6                   | 89.4                   | 0.5                     |
| ICI/SC W707            | 129.9                   | 156.2                   | 147.3                  | 21.0                   | 88.9                   | 3.1                     |
| SO. STATES SS922W      |                         |                         | 146.6                  | 22.8                   | 92.1                   | 3.5                     |
| NOBLE BEAR NB 739W     |                         | 132.1                   | 134.4                  | 17.7                   | 86.1                   | 3.6                     |
| NOBLE BEAR NB 747W     |                         | 142.4                   | 133.9                  | 17.7                   | 82.4                   | 3.4                     |
| VINEYARD SEED V-449W   |                         |                         | 128.3                  | 18.9                   | 91.2                   | 2.0                     |
| WHITE AVERAGE          | 130.5                   | 156.0                   | 154.8                  | 20.5                   | 90.2                   | 2.4                     |
| GRAND AVERAGE          | 134.5                   | 160.3                   | 163.0                  | 19.2                   | 91.1                   | 1.5                     |
| LSD (0.10)             | 13.7                    | 18.5                    | 18.1                   | 1.4                    | 5.7                    | 2.4                     |
| C.V.                   |                         |                         | 8.3                    | 5.6                    | 4.7                    | 118.7                   |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

**Table 8. —Annual Summary, Princeton**

| BRAND/HYBRID                 | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| <b>EARLY YELLOW HYBRIDS</b>  |                         |                         |                        |                        |                        |                         |
| PIONEER BRAND 3394           |                         | 143.9*                  | 188.6                  | 15.6                   | 94.4                   | 2.9                     |
| NORTHROP KING N6330          |                         |                         | 181.6                  | 16.0                   | 94.9                   | 5.4                     |
| ICI/GARST 8513               |                         |                         | 177.4                  | 17.0                   | 87.5                   | 3.7                     |
| FR618 X FR600                |                         |                         | 175.5                  | 14.5                   | 95.4                   | 3.9                     |
| DEKALB DK633                 |                         |                         | 174.0                  | 15.6                   | 87.0                   | 7.0                     |
| PIONEER BRAND 3527           |                         |                         | 170.0                  | 14.4                   | 82.9                   | 2.4                     |
| STINE SEEDS 1118             |                         | 128.4                   | 163.9                  | 14.7                   | 91.7                   | 2.5                     |
| <b>MEDIUM YELLOW HYBRIDS</b> |                         |                         |                        |                        |                        |                         |
| NORTHROP KING N8727          | 140.3*                  | 152.6*                  | 214.3*                 | 17.1                   | 94.0                   | 3.5                     |
| CROW'S 667                   |                         |                         | 205.7*                 | 16.1                   | 94.0                   | 4.0                     |
| AGRIGOLD A-6690              |                         | 152.1*                  | 200.6*                 | 16.7                   | 94.4                   | 1.9                     |
| DEKALB DK646                 |                         |                         | 194.9*                 | 15.4                   | 92.6                   | 6.0                     |
| PIONEER BRAND 3245           |                         | 144.8*                  | 194.9*                 | 16.2                   | 91.2                   | 3.1                     |
| ADLERS 6130                  | 146.2*                  | 151.2*                  | 194.2*                 | 15.8                   | 94.0                   | 4.4                     |
| SO. STATES SS812             |                         |                         | 138.3*                 | 16.0                   | 93.5                   | 2.0                     |
| CROW'S 669                   | 134.6*                  | 146.8*                  | 193.6*                 | 17.4                   | 95.8                   | 5.2                     |
| CARGILL 7997                 |                         | 146.4*                  | 192.7*                 | 15.8                   | 88.9                   | 2.1                     |
| TERRA SEED TR1167            |                         |                         | 192.6*                 | 17.5                   | 94.0                   | 1.9                     |
| SO. CROSS 412                |                         |                         | 192.4*                 | 15.6                   | 95.4                   | 1.4                     |
| ADLERS 7850                  |                         |                         | 191.6*                 | 16.7                   | 92.6                   | 4.0                     |
| PRAIRIE STREAM SX556         |                         |                         | 191.1*                 | 16.7                   | 89.4                   | 3.6                     |
| BECK'S 72X                   | 131.0                   | 142.0*                  | 190.9*                 | 15.7                   | 93.1                   | 2.6                     |
| PIONEER BRAND 3295           | 139.1*                  | 145.9*                  | 189.9                  | 17.4                   | 91.7                   | 9.5                     |
| CAVERNDAL FM. CF 800A        |                         |                         | 189.6                  | 16.1                   | 90.7                   | 2.6                     |
| SO. CROSS 612                |                         |                         | 189.2                  | 16.4                   | 90.7                   | 1.0                     |
| PIONEER BRAND 3140           | 136.9*                  | 144.8*                  | 188.3                  | 16.8                   | 92.1                   | 3.5                     |
| BO-JAC 9250                  | 142.0*                  | 143.5*                  | 187.8                  | 16.8                   | 95.4                   | 1.0                     |
| NC+ HYBRIDS NC+ 7304         |                         |                         | 186.6                  | 16.1                   | 97.7                   | 2.9                     |
| ZIMMERMAN Z27                | 145.1*                  | 149.8*                  | 186.4                  | 17.0                   | 93.5                   | 14.3                    |
| BO-JAC 629                   |                         | 146.3*                  | 186.3                  | 15.9                   | 95.8                   | 2.4                     |
| PIONEER BRAND 3279           |                         |                         | 185.8                  | 15.7                   | 94.0                   | 3.5                     |
| TERRA SEED TR1160            |                         |                         | 185.1                  | 15.3                   | 88.0                   | 3.1                     |
| MCCURDY 7400                 |                         | 142.5*                  | 184.2                  | 15.7                   | 86.1                   | 4.5                     |
| COLBERT 250                  |                         |                         | 184.1                  | 15.2                   | 95.4                   | 2.4                     |
| CARGILL 9027                 | 131.1                   | 135.4                   | 183.8                  | 16.6                   | 94.0                   | 3.5                     |
| AGRATECH 787                 |                         | 142.1*                  | 183.8                  | 15.9                   | 94.4                   | 3.0                     |
| NC+ HYBRIDS NC+ 6485         |                         |                         | 183.7                  | 15.3                   | 94.4                   | 3.9                     |
| AGRIGOLD XA2002              |                         |                         | 183.4                  | 16.3                   | 86.1                   | 0.5                     |
| COLBERT 326                  | 145.4*                  | 145.4*                  | 182.9                  | 16.9                   | 97.2                   | 10.9                    |
| TERRA SEED TR1180            | 142.8*                  | 146.2*                  | 182.6                  | 16.8                   | 89.4                   | 7.6                     |
| CAVERNDAL FM. CF 953         |                         |                         | 182.1                  | 17.0                   | 87.0                   | 2.0                     |
| AGRIGOLD A-6715              | 144.0*                  | 144.4*                  | 182.1                  | 15.9                   | 87.5                   | 2.6                     |
| BECK'S 68X                   |                         | 137.3                   | 181.7                  | 15.5                   | 91.2                   | 2.1                     |
| CALLAHAN C776                | 134.0*                  | 140.3*                  | 180.8                  | 16.7                   | 92.6                   | 6.9                     |
| GUTWEIN 2810                 |                         |                         | 180.4                  | 15.6                   | 93.5                   | 6.4                     |
| SCOTT SEED LR 5241           | 136.6*                  | 138.6*                  | 180.3                  | 15.7                   | 95.4                   | 4.3                     |
| PRAIRIE STREAM SX704         |                         |                         | 180.2                  | 17.2                   | 90.7                   | 2.1                     |
| STEWART HYBRIDS S-9213       |                         | 144.8*                  | 179.5                  | 17.5                   | 93.5                   | 4.4                     |
| STINE SEEDS 1181             |                         | 142.0*                  | 179.3                  | 15.9                   | 90.3                   | 3.1                     |
| NC+ HYBRIDS NC+ 5860         |                         |                         | 178.8                  | 15.9                   | 95.4                   | 2.9                     |
| STEWART HYBRIDS S-8432       |                         |                         | 178.6                  | 16.8                   | 92.1                   | 6.1                     |
| JACQUES 8210                 | 137.0*                  | 138.7*                  | 178.2                  | 17.9                   | 95.4                   | 7.7                     |
| GARST SEED 8315              | 139.6*                  | 141.3*                  | 176.7                  | 16.8                   | 89.8                   | 8.3                     |
| MCCURDY 7777                 | 137.5*                  | 147.4*                  | 176.7                  | 16.8                   | 93.1                   | 7.7                     |
| PRAIRIE STREAM SX702         | 129.3                   | 135.4                   | 176.7                  | 15.4                   | 93.1                   | 5.0                     |
| COLBERT 324                  | 137.3*                  | 142.9*                  | 174.6                  | 16.6                   | 89.4                   | 2.0                     |
| NORTHROP KING X748           |                         |                         | 174.3                  | 15.7                   | 93.1                   | 8.1                     |
| GLICK SEED GH801             |                         | 147.5*                  | 174.0                  | 15.8                   | 91.7                   | 4.0                     |
| ASGROW RX899                 |                         | 138.3*                  | 173.8                  | 15.8                   | 94.9                   | 4.4                     |
| GARST SEED 8250              | 128.7                   | 130.9                   | 173.2                  | 16.5                   | 93.1                   | 2.5                     |
| BECK'S 82MVP                 |                         |                         | 172.9                  | 16.0                   | 89.4                   | 1.0                     |
| NC+ HYBRIDS NC+ 6959         |                         |                         | 172.8                  | 15.8                   | 93.1                   | 3.5                     |
| AGRATECH 757                 |                         | 132.6                   | 172.5                  | 16.1                   | 94.0                   | 6.5                     |
| MCCURDY 7477                 | 139.8*                  | 144.8*                  | 172.1                  | 16.8                   | 92.6                   | 8.4                     |
| ICI/GARST 8260               |                         |                         | 170.9                  | 16.4                   | 84.7                   | 2.3                     |
| CIBA-GEIGY 4651              |                         | 138.6*                  | 170.4                  | 16.3                   | 90.7                   | 6.6                     |
| CIBA-GEIGY 4631              |                         | 128.9                   | 168.4                  | 17.9                   | 94.9                   | 4.4                     |
| JACQUES 7970                 |                         | 134.4                   | 167.6                  | 15.9                   | 89.8                   | 4.1                     |
| GUTWEIN 2680                 |                         |                         | 167.4                  | 15.9                   | 90.7                   | 6.6                     |
| SO. CROSS 411                | 126.6                   | 137.5                   | 166.7                  | 15.8                   | 84.3                   | 2.1                     |
| DEKALB DK689                 | 124.2                   | 130.9                   | 166.4                  | 15.8                   | 93.5                   | 1.0                     |
| BALDRIDGE BH 575             |                         | 116.9                   | 165.8                  | 16.1                   | 89.8                   | 4.1                     |

**Table 8. —Annual Summary, Princeton continued**

| BRAND/HYBRID           | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| CALLAHAN C7269         |                         |                         | 165.6                  | 16.2                   | 94.9                   | 3.4                     |
| ASGROW RX809           |                         | 128.9                   | 165.5                  | 15.2                   | 84.3                   | 6.1                     |
| SCOTT SEED LR 3350     | 128.2                   | 138.8*                  | 165.2                  | 17.1                   | 92.1                   | 6.4                     |
| CIBA-GEIGY 4583        |                         |                         | 164.9                  | 16.6                   | 95.8                   | 3.8                     |
| SCOTT SEED LR 3359     |                         | 131.1                   | 164.5                  | 15.5                   | 85.2                   | 5.9                     |
| CROW'S 688             | 136.5*                  | 138.5*                  | 164.5                  | 15.9                   | 89.8                   | 1.0                     |
| AGRATECH 825           | 121.2                   | 126.8                   | 163.9                  | 16.7                   | 95.4                   | 1.9                     |
| TERRA SEED TR621E      |                         |                         | 163.9                  | 16.1                   | 90.3                   | 6.2                     |
| NORTHRUP KING PX9540   |                         | 137.1                   | 162.2                  | 17.4                   | 84.7                   | 9.6                     |
| GUTWEIN 2751           |                         |                         | 161.7                  | 16.3                   | 94.9                   | 4.4                     |
| SO. STATES SS793       | 130.3                   | 141.3*                  | 160.8                  | 15.1                   | 88.9                   | 4.2                     |
| COLBERT 230            |                         | 130.7                   | 159.9                  | 14.7                   | 94.9                   | 0.5                     |
| SO. STATES SS790       | 118.7                   | 131.4                   | 159.5                  | 15.9                   | 86.6                   | 3.6                     |
| FR27 X M017            | 131.0                   | 128.1                   | 151.9                  | 15.6                   | 92.1                   | 9.4                     |
| AGRIGENE GA-9586       |                         |                         | 150.1                  | 16.9                   | 88.9                   | 3.6                     |
| BALDRIDGE BH 605       |                         |                         | 148.7                  | 16.9                   | 90.3                   | 6.8                     |
| NORTHRUP KING X701     |                         |                         | 146.1                  | 15.5                   | 94.0                   | 2.0                     |
| GLICK SEED GH780       | 118.5                   | 123.8                   | 144.6                  | 17.8                   | 91.7                   | 4.0                     |
| LATE YELLOW HYBRIDS    |                         |                         |                        |                        |                        |                         |
| CARGILL 8427           | 142.7*                  | 148.5*                  | 198.3*                 | 16.3                   | 95.4                   | 3.9                     |
| STINE SEEDS 1171       |                         |                         | 195.3*                 | 16.3                   | 87.0                   | 0.5                     |
| PIONEER BRAND 3154     | 148.0*                  | 152.5*                  | 194.3*                 | 15.8                   | 93.5                   | 8.7                     |
| CIBA-GEIGY 4671        |                         |                         | 146.5*                 | 16.5                   | 93.1                   | 0.5                     |
| PIONEER BRAND 3142     | 132.5*                  | 145.2*                  | 194.1*                 | 16.0                   | 93.5                   | 6.0                     |
| ASGROW RX919           |                         |                         | 144.9*                 | 16.8                   | 92.1                   | 4.5                     |
| PIONEER BRAND 3165     | 140.6*                  | 141.9*                  | 185.1                  | 17.3                   | 97.2                   | 3.8                     |
| DEKALB DK715           | 135.0*                  | 149.5*                  | 182.6                  | 17.6                   | 94.0                   | 3.9                     |
| CAVERNDALE FM. CF 950  | 126.1                   | 131.7                   | 181.0                  | 17.0                   | 87.5                   | 4.1                     |
| CROW'S 670             | 127.2                   | 134.0                   | 180.6                  | 16.8                   | 94.0                   | 7.3                     |
| ASGROW RX947           | 135.0*                  | 140.6*                  | 179.5                  | 17.7                   | 93.5                   | 1.5                     |
| DEKALB DK743           |                         | 146.8*                  | 179.3                  | 18.0                   | 90.7                   | 11.2                    |
| JACQUES 8510           |                         |                         | 175.3                  | 17.6                   | 94.4                   | 5.8                     |
| STINE SEEDS 1250       |                         |                         | 174.8                  | 16.0                   | 94.4                   | 5.8                     |
| AGRIGENE AG-7880       |                         |                         | 171.7                  | 18.4                   | 93.5                   | 5.5                     |
| SO. STATES SS943       |                         |                         | 166.0                  | 18.2                   | 88.0                   | 2.5                     |
| JACQUES 9220           |                         |                         | 164.2                  | 16.8                   | 94.0                   | 8.9                     |
| STEWART HYBRIDS S-8815 | 126.0                   | 134.3                   | 163.5                  | 17.1                   | 88.4                   | 4.1                     |
| BO-JAC 905             | 128.0                   | 139.1*                  | 159.9                  | 15.9                   | 95.4                   | 2.9                     |
| STEWART HYBRIDS HYL 1  |                         |                         | 148.1                  | 16.8                   | 81.0                   | 12.4                    |
| FR27 X PA91            | 119.6                   | 117.3                   | 141.0                  | 17.9                   | 93.1                   | 9.4                     |
| YELLOW AVERAGE         | 134.0                   | 139.6                   | 177.2                  | 16.4                   | 91.8                   | 4.5                     |
| WHITE HYBRIDS          |                         |                         |                        |                        |                        |                         |
| AGRIGOLD A-6796W       | 129.7                   | 140.6*                  | 195.4*                 | 19.0                   | 89.8                   | 5.2                     |
| SO. STATES SS922W      |                         |                         | 190.0                  | 19.6                   | 93.5                   | 2.0                     |
| ICI/GARST N9122W       |                         |                         | 183.3                  | 18.3                   | 90.7                   | 5.1                     |
| CARGILL 9402W          |                         |                         | 176.4                  | 19.3                   | 90.7                   | 6.1                     |
| CARGILL 9400W          | 132.4*                  | 133.9                   | 176.0                  | 18.1                   | 94.9                   | 5.4                     |
| NOBLE BEAR NB 739W     |                         | 127.9                   | 175.5                  | 16.2                   | 93.5                   | 2.5                     |
| ZIMMERMAN Z16W         |                         | 129.1                   | 175.1                  | 18.6                   | 94.4                   | 11.8                    |
| ZIMMERMAN Z63W         |                         | 133.5                   | 174.4                  | 17.8                   | 89.8                   | 11.3                    |
| ASGROW XP8091W         |                         |                         | 174.0                  | 16.7                   | 89.8                   | 3.2                     |
| ICI/SC W707            | 119.6                   | 128.6                   | 173.8                  | 18.1                   | 93.1                   | 9.9                     |
| ZIMMERMAN Z61W         | 129.0                   | 129.5                   | 172.3                  | 16.1                   | 92.6                   | 6.5                     |
| CIBA-GEIGY 4652W       |                         |                         | 167.5                  | 16.6                   | 94.9                   | 7.4                     |
| SO. STATES SS917W      | 131.8                   | 135.1                   | 161.1                  | 18.8                   | 89.4                   | 13.7                    |
| NORTHRUP KING N8565W   | 115.0                   | 123.0                   | 160.5                  | 20.0                   | 86.6                   | 6.4                     |
| NC+ HYBRIDS NC+ 6555W  |                         |                         | 160.4                  | 16.8                   | 91.7                   | 3.0                     |
| PIONEER BRAND 3281W    |                         | 125.4                   | 158.8                  | 16.7                   | 94.4                   | 2.5                     |
| VINEYARD SEED MV-58W   |                         | 126.4                   | 158.4                  | 17.8                   | 92.1                   | 4.0                     |
| VINEYARD SEED V-449W   |                         |                         | 154.8                  | 16.6                   | 91.2                   | 3.9                     |
| VINEYARD SEED MV-68W   |                         | 124.8                   | 151.1                  | 17.6                   | 96.8                   | 1.9                     |
| NOBLE BEAR NB 742W     | 115.1                   | 117.3                   | 148.1                  | 16.2                   | 83.3                   | 12.0                    |
| NOBLE BEAR NB 747W     |                         | 113.8                   | 145.0                  | 16.2                   | 88.4                   | 4.2                     |
| NORTHRUP KING X780W    |                         |                         | 131.5                  | 16.3                   | 91.7                   | 2.0                     |
| WHITE AVERAGE          | 124.7                   | 127.8                   | 166.5                  | 17.6                   | 91.5                   | 5.9                     |
| GRAND AVERAGE          | 132.6                   | 137.5                   | 175.4                  | 16.6                   | 91.8                   | 4.7                     |
| LSD (0.10)             | 16.1                    | 14.9                    | 23.9                   | 1.5                    | 5.7                    | 5.0                     |
| C.V.                   |                         |                         | 10.1                   | 6.9                    | 5.7                    | 79.6                    |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

**Table 9.—Annual Summary, Owensboro**

| BRAND/HYBRID                 | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| <b>EARLY YELLOW HYBRIDS</b>  |                         |                         |                        |                        |                        |                         |
| NORTHROP KING N6330          |                         |                         | 206.5*                 | 16.6                   | 98.6                   | 0.5                     |
| STINE SEEDS 1118             |                         | 162.9*                  | 199.9                  | 16.8                   | 92.1                   | 1.4                     |
| PIONEER BRAND 3394           |                         | 159.2*                  | 190.8                  | 16.6                   | 87.0                   | 1.0                     |
| PIONEER BRAND 3527           |                         |                         | 181.8                  | 15.3                   | 90.3                   | 0.0                     |
| DEKALB DK633                 |                         |                         | 179.2                  | 16.3                   | 86.6                   | 2.6                     |
| FR618 X FR600                |                         |                         | 173.1                  | 16.1                   | 94.0                   | 1.0                     |
| ICI/GARST 8513               |                         |                         | 168.9                  | 16.4                   | 84.7                   | 5.8                     |
| <b>MEDIUM YELLOW HYBRIDS</b> |                         |                         |                        |                        |                        |                         |
| BO-JAC 629                   |                         | 172.0*                  | 216.8*                 | 17.8                   | 95.4                   | 0.0                     |
| COLBERT 230                  |                         |                         | 171.7*                 | 17.4                   | 93.1                   | 0.5                     |
| BO-JAC 9250                  | 157.6*                  | 166.0*                  | 213.7*                 | 17.3                   | 95.8                   | 0.0                     |
| DEKALB DK646                 |                         |                         | 213.5*                 | 17.2                   | 93.1                   | 1.0                     |
| AGRATECH 757                 |                         | 160.8*                  | 213.4*                 | 17.7                   | 91.2                   | 0.5                     |
| CAVERDALE FM. CF 953         |                         |                         | 212.8*                 | 18.1                   | 85.6                   | 1.1                     |
| CARGILL 9027                 | 166.1*                  | 170.5*                  | 211.7*                 | 18.3                   | 94.9                   | 1.5                     |
| AGRIGOLD XA2002              |                         |                         | 211.4*                 | 18.2                   | 94.4                   | 0.0                     |
| STEWART HYBRIDS S-9213       |                         | 168.9*                  | 210.6*                 | 17.7                   | 91.7                   | 0.0                     |
| NORTHROP KING X748           |                         |                         | 209.6*                 | 17.9                   | 94.0                   | 0.0                     |
| AGRATECH 787                 |                         | 170.7*                  | 208.8*                 | 18.2                   | 95.8                   | 1.5                     |
| AGRIGOLD A-6690              |                         | 170.7*                  | 207.8*                 | 17.4                   | 94.4                   | 0.0                     |
| AGRIGOLD A-6715              | 159.0*                  | 167.0*                  | 206.9*                 | 17.2                   | 95.4                   | 0.0                     |
| CROW'S 667                   |                         |                         | 206.7*                 | 17.4                   | 95.8                   | 2.4                     |
| PIONEER BRAND 3245           |                         | 162.6*                  | 206.4*                 | 17.3                   | 89.4                   | 0.0                     |
| GLICK SEED GH780             | 150.1                   | 159.9*                  | 206.3*                 | 19.4                   | 87.0                   | 1.0                     |
| GLICK SEED GH801             |                         | 173.5*                  | 204.9*                 | 17.8                   | 88.9                   | 0.0                     |
| ICI/GARST 8260               |                         |                         | 204.3*                 | 18.5                   | 81.0                   | 0.0                     |
| PIONEER BRAND 3295           | 165.4*                  | 168.7*                  | 204.0*                 | 17.0                   | 88.9                   | 0.5                     |
| GUTWEIN 2810                 |                         |                         | 203.7*                 | 18.3                   | 92.6                   | 0.0                     |
| SO. CROSS 612                |                         |                         | 203.4*                 | 18.5                   | 91.7                   | 0.5                     |
| COLBERT 250                  |                         |                         | 203.1*                 | 17.0                   | 94.4                   | 1.0                     |
| ADLERS 6130                  | 164.7*                  | 167.5*                  | 203.0*                 | 17.2                   | 96.3                   | 0.5                     |
| CALLAHAN C776                | 155.7*                  | 165.4*                  | 202.9*                 | 18.3                   | 95.4                   | 1.5                     |
| CROW'S 669                   |                         | 157.2*                  | 202.0                  | 18.1                   | 92.1                   | 0.0                     |
| ZIMMERMAN Z27                |                         | 160.8*                  | 201.8                  | 18.2                   | 91.2                   | 0.5                     |
| BECK'S 72X                   | 164.5*                  | 168.9*                  | 201.4                  | 17.1                   | 87.5                   | 1.0                     |
| ASGROW RX899                 |                         | 157.6                   | 200.2                  | 17.9                   | 91.7                   | 1.5                     |
| MCCURDY 7400                 |                         | 168.5*                  | 199.4                  | 18.1                   | 90.7                   | 0.0                     |
| NORTHROP KING N8727          | 154.0                   | 165.6*                  | 199.3                  | 19.2                   | 88.4                   | 1.5                     |
| SO. STATES SS793             | 156.8*                  | 166.8*                  | 198.9                  | 17.2                   | 94.9                   | 0.0                     |
| CALLAHAN C7269               |                         |                         | 198.7                  | 17.9                   | 96.3                   | 0.0                     |
| ADLERS 7850                  |                         |                         | 198.6                  | 18.0                   | 88.0                   | 1.6                     |
| CIBA-GEIGY 4631              |                         | 158.9                   | 198.6                  | 18.4                   | 87.5                   | 2.0                     |
| DEKALB DK689                 | 145.3                   | 154.4                   | 198.1                  | 18.7                   | 94.9                   | 0.0                     |
| GUTWEIN 2751                 |                         |                         | 198.1                  | 17.6                   | 85.6                   | 1.2                     |
| ASGROW RX809                 |                         | 146.5                   | 197.8                  | 17.1                   | 88.9                   | 1.0                     |
| PRAIRIE STREAM SX556         |                         |                         | 197.6                  | 17.4                   | 90.3                   | 0.0                     |
| CAVERDALE FM. CF 800A        |                         |                         | 196.9                  | 18.1                   | 88.4                   | 0.0                     |
| BECK'S 82MVP                 |                         |                         | 196.3                  | 17.6                   | 92.6                   | 0.0                     |
| SCOTT SEED LR 3359           |                         | 154.5                   | 196.2                  | 17.5                   | 91.7                   | 0.5                     |
| SCOTT SEED LR 3350           | 147.5                   | 152.1                   | 196.1                  | 17.8                   | 88.4                   | 0.0                     |
| CIBA-GEIGY 4583              |                         |                         | 195.2                  | 17.7                   | 86.6                   | 0.0                     |
| SO. STATES SS812             |                         | 154.8                   | 195.1                  | 17.8                   | 85.2                   | 0.0                     |
| COLBERT 324                  | 143.6                   | 149.9                   | 194.6                  | 18.0                   | 92.6                   | 0.0                     |
| NC+ HYBRIDS NC+ 6959         |                         |                         | 194.0                  | 18.0                   | 89.8                   | 0.0                     |
| NORTHROP KING X701           |                         |                         | 193.2                  | 17.4                   | 94.4                   | 0.0                     |
| AGRATECH 825                 | 148.7                   | 159.2*                  | 193.0                  | 18.2                   | 88.4                   | 0.5                     |
| PIONEER BRAND 3140           | 152.3                   | 157.1                   | 192.8                  | 18.5                   | 89.4                   | 0.5                     |
| SO. CROSS 412                |                         |                         | 192.5                  | 18.1                   | 90.7                   | 0.5                     |
| BECK'S 68X                   |                         | 158.2                   | 192.4                  | 17.7                   | 86.1                   | 0.5                     |
| GUTWEIN 2680                 |                         |                         | 191.4                  | 17.9                   | 88.4                   | 1.1                     |
| NC+ HYBRIDS NC+ 6485         |                         |                         | 191.3                  | 17.5                   | 90.3                   | 0.0                     |
| GARST SEED 8250              | 147.4                   | 148.8                   | 190.8                  | 18.1                   | 85.6                   | 0.5                     |
| PRAIRIE STREAM SX702         | 152.2                   | 151.4                   | 190.6                  | 17.6                   | 89.4                   | 4.1                     |
| MCCURDY 7777                 | 150.1                   | 155.8                   | 189.9                  | 17.9                   | 92.1                   | 1.0                     |
| BALDRIDGE BH 575             |                         | 144.6                   | 189.0                  | 18.0                   | 91.7                   | 1.5                     |
| GARST SEED 8315              | 145.6                   | 144.4                   | 188.4                  | 17.7                   | 87.5                   | 0.5                     |
| SCOTT SEED LR 5241           | 138.4                   | 150.4                   | 188.4                  | 17.6                   | 88.4                   | 0.0                     |
| SO. STATES SS790             | 157.1*                  | 164.0*                  | 188.2                  | 17.8                   | 95.4                   | 1.0                     |
| TERRA SEED TR1160            |                         |                         | 188.0                  | 17.6                   | 86.6                   | 1.1                     |
| CIBA-GEIGY 4651              |                         | 153.1                   | 186.4                  | 18.2                   | 90.7                   | 0.0                     |
| TERRA SEED TR1180            | 157.1*                  | 157.7                   | 186.2                  | 17.9                   | 87.0                   | 0.0                     |
| NC+ HYBRIDS NC+ 7304         |                         |                         | 186.0                  | 17.9                   | 90.3                   | 0.0                     |



**Table 9. —Annual Summary, Owensboro continued**

| BRAND/HYBRID           | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| TERRA SEED TR621E      |                         |                         | 185.9                  | 18.0                   | 95.4                   | 0.5                     |
| JACQUES 7970           |                         | 152.7                   | 185.8                  | 18.3                   | 93.1                   | 2.6                     |
| CARGILL 7997           |                         | 156.2                   | 185.7                  | 18.0                   | 88.4                   | 0.0                     |
| COLBERT 326            | 152.3                   | 156.1                   | 185.7                  | 17.6                   | 83.8                   | 0.0                     |
| NC+ HYBRIDS NC+ 5860   |                         |                         | 185.6                  | 17.8                   | 91.7                   | 0.0                     |
| TERRA SEED TR1167      |                         |                         | 185.6                  | 18.3                   | 88.9                   | 0.0                     |
| NORTHROP KING PX9540   |                         | 157.7                   | 184.6                  | 17.6                   | 93.1                   | 0.5                     |
| PIONEER BRAND 3279     |                         |                         | 183.9                  | 17.1                   | 92.6                   | 2.1                     |
| PRAIRIE STREAM SX704   |                         |                         | 183.7                  | 17.2                   | 90.3                   | 0.0                     |
| MCCURDY 7477           | 149.6                   | 156.5                   | 182.9                  | 18.3                   | 95.4                   | 0.0                     |
| AGRIGENE GA-9586       |                         |                         | 182.0                  | 18.2                   | 80.6                   | 0.6                     |
| STEWART HYBRIDS S-8432 |                         |                         | 180.2                  | 17.4                   | 92.1                   | 1.1                     |
| STINE SEEDS 1181       |                         | 150.0                   | 175.5                  | 17.6                   | 84.7                   | 0.0                     |
| CROW'S 688             | 148.1                   | 150.4                   | 175.4                  | 18.4                   | 82.9                   | 2.9                     |
| JACQUES 8210           | 142.4                   | 151.1                   | 173.1                  | 18.4                   | 90.7                   | 0.0                     |
| FR27 X M017            | 138.0                   | 136.1                   | 168.2                  | 16.9                   | 94.9                   | 1.4                     |
| SO. CROSS 411          | 130.2                   | 138.2                   | 165.3                  | 16.8                   | 83.3                   | 0.0                     |
| BALDRIDGE BH 605       |                         |                         | 148.8                  | 19.1                   | 91.7                   | 3.1                     |
| LATE YELLOW HYBRIDS    |                         |                         |                        |                        |                        |                         |
| ASGROW RX919           |                         | 172.6*                  | 220.4*                 | 19.0                   | 90.7                   | 0.0                     |
| SO. STATES SS943       |                         |                         | 207.8*                 | 22.5                   | 81.0                   | 0.0                     |
| DEKALB DK743           |                         | 170.8*                  | 207.6*                 | 18.5                   | 94.0                   | 1.5                     |
| PIONEER BRAND 3142     | 150.2                   | 160.2*                  | 204.5*                 | 18.8                   | 93.1                   | 1.0                     |
| STINE SEEDS 1171       |                         |                         | 204.3*                 | 17.7                   | 90.3                   | 0.0                     |
| PIONEER BRAND 3165     | 155.0*                  | 162.2*                  | 202.6*                 | 19.2                   | 91.7                   | 0.0                     |
| FR27 X PA91            | 145.2                   | 142.8                   | 199.4                  | 19.9                   | 94.9                   | 1.0                     |
| DEKALB DK715           | 151.8                   | 157.3                   | 198.9                  | 19.1                   | 89.8                   | 0.0                     |
| PIONEER BRAND 3154     | 154.2                   | 165.4*                  | 197.3                  | 18.9                   | 94.4                   | 2.9                     |
| CIBA-GEIGY 4671        |                         | 157.5                   | 196.5                  | 18.9                   | 90.3                   | 0.0                     |
| JACQUES 9220           |                         |                         | 195.7                  | 18.6                   | 88.9                   | 0.0                     |
| CROW'S 670             | 147.4                   | 152.6                   | 190.7                  | 18.6                   | 88.9                   | 0.0                     |
| STEWART HYBRIDS S-8815 | 146.0                   | 154.3                   | 188.0                  | 19.2                   | 94.9                   | 3.9                     |
| CAVERDALE FM. CF 950   | 151.4                   | 151.3                   | 185.3                  | 18.3                   | 90.3                   | 2.1                     |
| ASGROW RX947           | 154.1                   | 143.5                   | 182.2                  | 20.0                   | 89.4                   | 0.0                     |
| BO-JAC 905             | 150.2                   | 154.0                   | 181.4                  | 18.1                   | 87.0                   | 0.0                     |
| JACQUES 8510           |                         |                         | 180.5                  | 19.4                   | 90.3                   | 0.5                     |
| CARGILL 8427           | 151.9                   | 155.4                   | 179.8                  | 17.7                   | 87.5                   | 0.6                     |
| STINE SEEDS 1250       |                         |                         | 170.1                  | 18.4                   | 92.1                   | 0.6                     |
| AGRIGENE AG-7880       |                         |                         | 169.6                  | 19.5                   | 92.1                   | 1.1                     |
| STEWART HYBRIDS HYL 1  |                         |                         | 159.4                  | 19.8                   | 85.2                   | 2.3                     |
| YELLOW AVERAGE         | 151.6                   | 158.5                   | 193.8                  | 18.0                   | 90.5                   | 0.7                     |
| WHITE HYBRIDS          |                         |                         |                        |                        |                        |                         |
| SO. STATES SS917W      | 158.3*                  | 158.0                   | 199.1                  | 19.8                   | 97.2                   | 1.9                     |
| ASGROW XP8091W         |                         |                         | 198.8                  | 18.2                   | 92.6                   | 1.5                     |
| NC+ HYBRIDS NC+ 6555W  |                         |                         | 197.1                  | 18.6                   | 92.1                   | 0.5                     |
| NORTHROP KING X780W    |                         |                         | 194.9                  | 18.7                   | 96.8                   | 0.5                     |
| ZIMMERMAN Z61W         | 149.8                   | 154.9                   | 193.3                  | 18.0                   | 91.2                   | 3.5                     |
| VINEYARD SEED MV-58W   |                         | 149.8                   | 191.1                  | 19.2                   | 93.1                   | 0.9                     |
| CARGILL 9402W          |                         |                         | 189.3                  | 20.2                   | 96.3                   | 0.5                     |
| ZIMMERMAN Z63W         |                         | 144.8                   | 186.7                  | 19.5                   | 88.0                   | 0.5                     |
| ZIMMERMAN Z16W         |                         | 140.2                   | 186.0                  | 20.4                   | 94.0                   | 1.0                     |
| NORTHROP KING N8565W   | 140.6                   | 149.4                   | 184.5                  | 21.4                   | 92.6                   | 1.1                     |
| SO. STATES SS922W      |                         |                         | 183.6                  | 21.1                   | 91.7                   | 0.0                     |
| CARGILL 9400W          | 143.8                   | 151.2                   | 183.1                  | 19.9                   | 94.4                   | 0.5                     |
| PIONEER BRAND 3281W    |                         | 143.2                   | 182.9                  | 18.2                   | 89.8                   | 0.5                     |
| AGRIGOLD A-6796W       | 143.8                   | 148.4                   | 182.8                  | 19.4                   | 97.7                   | 1.4                     |
| ICI/GARST N9122W       |                         |                         | 181.1                  | 19.9                   | 80.6                   | 0.6                     |
| ICI/SC W707            | 138.8                   | 145.9                   | 180.5                  | 20.0                   | 83.8                   | 3.5                     |
| VINEYARD SEED MV-68W   |                         | 140.4                   | 175.0                  | 18.9                   | 91.2                   | 0.5                     |
| VINEYARD SEED V-449W   |                         |                         | 173.9                  | 18.3                   | 87.5                   | 0.0                     |
| CIBA-GEIGY 4652W       |                         |                         | 172.1                  | 18.9                   | 81.9                   | 0.5                     |
| NOBLE BEAR NB 747W     |                         | 130.5                   | 171.1                  | 18.1                   | 90.7                   | 0.0                     |
| NOBLE BEAR NB 739W     |                         | 136.5                   | 166.8                  | 18.6                   | 85.2                   | 1.0                     |
| NOBLE BEAR NB 742W     | 134.0                   | 128.8                   | 151.1                  | 18.7                   | 88.4                   | 0.0                     |
| WHITE AVERAGE          | 144.2                   | 144.4                   | 182.9                  | 19.3                   | 90.8                   | 0.9                     |
| GRAND AVERAGE          | 150.5                   | 156.1                   | 192.0                  | 18.2                   | 90.5                   | 0.8                     |
| LSD (0.10)             | 11.4                    | 14.5                    | 17.8                   | 0.8                    | 7.5                    | 2.0                     |
| C.V.                   |                         |                         | 6.9                    | 3.4                    | 6.2                    | 192.7                   |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

**Table 10. —Annual Summary, Hopkinsville**

| BRAND/HYBRID                 | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| <b>EARLY YELLOW HYBRIDS</b>  |                         |                         |                        |                        |                        |                         |
| PIONEER BRAND 3394           |                         | 151.2*                  | 198.0                  | 19.2                   | 93.1                   | 0.5                     |
| NORTHROP KING N6330          |                         |                         | 189.5                  | 18.8                   | 93.5                   | 1.0                     |
| FR618 X FR600                |                         |                         | 179.6                  | 21.6                   | 93.5                   | 4.0                     |
| ICI/GARST 8513               |                         |                         | 176.2                  | 19.0                   | 93.1                   | 0.0                     |
| PIONEER BRAND 3527           |                         |                         | 175.3                  | 17.8                   | 92.1                   | 0.0                     |
| DEKALB DK633                 |                         |                         | 171.0                  | 18.5                   | 95.8                   | 0.5                     |
| STINE SEEDS 1118             |                         | 135.8                   | 169.3                  | 19.5                   | 92.6                   | 0.0                     |
| <b>MEDIUM YELLOW HYBRIDS</b> |                         |                         |                        |                        |                        |                         |
| PIONEER BRAND 3245           |                         | 164.5*                  | 219.3*                 | 20.6                   | 88.0                   | 1.2                     |
| BECK'S 72X                   | 135.1*                  | 163.8*                  | 213.3*                 | 21.3                   | 97.2                   | 1.4                     |
| PIONEER BRAND 3295           | 123.4*                  | 153.8*                  | 212.4*                 | 20.0                   | 94.0                   | 1.0                     |
| STEWART HYBRIDS S-9213       |                         | 165.1*                  | 210.7*                 | 22.1                   | 97.7                   | 0.0                     |
| COLBERT 324                  | 122.9*                  | 149.8                   | 210.3*                 | 21.7                   | 97.7                   | 0.0                     |
| GARST SEED 8315              | 124.7*                  | 155.0*                  | 209.1*                 | 22.1                   | 97.2                   | 2.4                     |
| NC+ HYBRIDS NC+ 7304         |                         |                         | 206.3*                 | 21.1                   | 96.3                   | 0.0                     |
| ASGROW RX899                 |                         | 156.7*                  | 205.5*                 | 21.8                   | 94.9                   | 1.0                     |
| COLBERT 230                  |                         | 159.8*                  | 204.1*                 | 19.3                   | 93.5                   | 1.5                     |
| SO. CROSS 612                |                         |                         | 203.5*                 | 21.1                   | 93.1                   | 0.0                     |
| CARGILL 9027                 | 123.9*                  | 154.1*                  | 202.3*                 | 20.4                   | 95.4                   | 0.5                     |
| GUTWEIN 2810                 |                         |                         | 202.0*                 | 21.1                   | 95.8                   | 0.0                     |
| SO. CROSS 412                |                         |                         | 201.7*                 | 20.5                   | 97.2                   | 0.5                     |
| CROW'S 667                   |                         |                         | 201.5*                 | 21.8                   | 98.6                   | 0.0                     |
| CAVERNDALE FM. CF 953        |                         |                         | 201.3*                 | 20.3                   | 92.1                   | 0.5                     |
| ZIMMERMAN Z27                | 132.5*                  | 157.6*                  | 201.3*                 | 21.1                   | 93.1                   | 1.0                     |
| BECK'S 68X                   |                         | 161.6*                  | 199.8*                 | 20.8                   | 96.3                   | 0.0                     |
| PRAIRIE STREAM SX702         | 121.8                   | 143.6                   | 199.3                  | 22.3                   | 91.7                   | 1.0                     |
| STEWART HYBRIDS S-8432       |                         |                         | 199.2                  | 21.9                   | 93.1                   | 1.5                     |
| BO-JAC 9250                  | 127.6*                  | 162.7*                  | 198.9                  | 21.4                   | 96.3                   | 0.0                     |
| GLICK SEED GH801             |                         | 152.9*                  | 198.6                  | 20.5                   | 95.8                   | 0.0                     |
| TERRA SEED TR1167            |                         |                         | 197.7                  | 21.4                   | 97.2                   | 0.5                     |
| CAVERNDALE FM. CF 800A       |                         |                         | 197.4                  | 21.9                   | 90.7                   | 0.9                     |
| AGRIGOLD A-6715              | 123.7*                  | 157.1*                  | 196.3                  | 22.5                   | 94.9                   | 0.0                     |
| AGRATECH 757                 |                         | 146.1                   | 195.7                  | 21.0                   | 95.8                   | 0.5                     |
| PRAIRIE STREAM SX556         |                         |                         | 195.4                  | 20.9                   | 96.3                   | 0.0                     |
| PIONEER BRAND 3140           | 125.3*                  | 149.9                   | 195.3                  | 23.2                   | 90.7                   | 0.0                     |
| ADLERS 6130                  | 129.9*                  | 159.7*                  | 195.0                  | 20.5                   | 95.8                   | 1.0                     |
| BO-JAC 629                   |                         | 157.2*                  | 193.6                  | 21.7                   | 94.9                   | 0.5                     |
| DEKALB DK646                 |                         |                         | 193.5                  | 20.8                   | 88.9                   | 1.0                     |
| AGRATECH 787                 |                         | 154.6*                  | 193.3                  | 25.7                   | 95.8                   | 0.5                     |
| AGRIGOLD A-6690              |                         | 153.5*                  | 193.3                  | 20.9                   | 93.5                   | 0.0                     |
| NORTHROP KING X701           |                         |                         | 192.3                  | 21.2                   | 95.4                   | 0.0                     |
| COLBERT 326                  | 121.3                   | 150.5*                  | 192.0                  | 21.0                   | 95.8                   | 1.9                     |
| JACQUES 8210                 | 132.5*                  | 158.8*                  | 191.9                  | 21.3                   | 93.1                   | 1.0                     |
| AGRIGOLD XA2002              |                         |                         | 191.2                  | 20.8                   | 95.4                   | 0.5                     |
| GUTWEIN 2680                 |                         |                         | 191.0                  | 20.8                   | 91.7                   | 0.5                     |
| MCCURDY 7477                 | 131.9*                  | 164.6*                  | 191.0                  | 22.6                   | 97.2                   | 0.9                     |
| CROW'S 669                   | 120.2                   | 144.6                   | 190.9                  | 23.0                   | 95.8                   | 1.0                     |
| PRAIRIE STREAM SX704         |                         |                         | 190.7                  | 22.5                   | 94.9                   | 1.5                     |
| SO. STATES SS793             | 123.7*                  | 159.7*                  | 189.5                  | 21.3                   | 92.1                   | 0.5                     |
| SCOTT SEED LR 5241           | 118.8                   | 144.3                   | 189.3                  | 20.3                   | 92.1                   | 1.1                     |
| NORTHROP KING X748           |                         |                         | 189.1                  | 21.6                   | 95.8                   | 0.0                     |
| CALLAHAN C7269               |                         |                         | 188.4                  | 21.5                   | 93.5                   | 0.0                     |
| ADLERS 7850                  |                         |                         | 187.9                  | 20.9                   | 94.0                   | 0.5                     |
| MCCURDY 7400                 |                         | 145.5                   | 187.6                  | 22.4                   | 95.4                   | 3.2                     |
| PIONEER BRAND 3279           |                         |                         | 187.6                  | 24.7                   | 93.1                   | 0.5                     |
| DEKALB DK689                 | 118.0                   | 145.6                   | 187.3                  | 21.3                   | 91.7                   | 2.5                     |
| JACQUES 7970                 |                         | 166.6*                  | 187.1                  | 22.4                   | 91.2                   | 0.5                     |
| GLICK SEED GH780             | 118.5                   | 143.0                   | 186.7                  | 23.4                   | 92.6                   | 1.4                     |
| SO. STATES SS790             | 128.3*                  | 158.1*                  | 186.4                  | 21.2                   | 94.4                   | 1.0                     |
| CARGILL 7997                 |                         | 147.8                   | 185.4                  | 22.9                   | 91.2                   | 0.0                     |
| CIBA-GEIGY 4583              |                         |                         | 185.1                  | 22.4                   | 95.8                   | 0.0                     |
| NC+ HYBRIDS NC+ 6959         |                         |                         | 185.0                  | 21.2                   | 93.5                   | 0.0                     |
| GUTWEIN 2751                 |                         |                         | 184.6                  | 21.5                   | 95.4                   | 2.0                     |
| AGRATECH 825                 | 113.1                   | 136.6                   | 184.1                  | 22.5                   | 93.5                   | 0.5                     |
| NORTHROP KING N8727          | 113.1                   | 145.9                   | 182.8                  | 21.8                   | 89.8                   | 0.0                     |
| GARST SEED 8250              | 116.1                   | 136.1                   | 182.3                  | 22.1                   | 94.4                   | 0.0                     |
| CIBA-GEIGY 4651              |                         | 147.3                   | 182.2                  | 21.3                   | 94.0                   | 2.0                     |
| AGRIGENE GA-9586             |                         |                         | 181.9                  | 23.2                   | 92.1                   | 2.5                     |
| SO. STATES SS812             |                         | 145.6                   | 180.7                  | 20.8                   | 94.9                   | 0.0                     |
| SCOTT SEED LR 3350           | 110.6                   | 138.3                   | 178.9                  | 20.8                   | 93.1                   | 1.5                     |
| NC+ HYBRIDS NC+ 5860         |                         |                         | 178.8                  | 19.6                   | 94.4                   | 0.0                     |
| STINE SEEDS 1181             |                         | 146.6                   | 178.8                  | 21.0                   | 89.8                   | 0.0                     |

**Table 10. —Annual Summary, Hopkinsville *continued***

| BRAND/HYBRID           | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| CIBA-GEIGY 4631        |                         | 140.0                   | 178.7                  | 20.9                   | 95.8                   | 1.0                     |
| BECK'S 82MVP           |                         |                         | 178.6                  | 20.3                   | 94.0                   | 0.0                     |
| ASGROW RX809           |                         | 143.5                   | 177.8                  | 20.3                   | 92.6                   | 0.5                     |
| TERRA SEED TR1160      |                         |                         | 177.2                  | 20.9                   | 94.4                   | 0.5                     |
| SCOTT SEED LR 3359     |                         | 143.5                   | 177.0                  | 20.0                   | 97.2                   | 0.5                     |
| TERRA SEED TR621E      |                         |                         | 176.6                  | 22.3                   | 94.9                   | 0.5                     |
| NC+ HYBRIDS NC+ 6485   |                         |                         | 176.3                  | 21.0                   | 93.1                   | 0.0                     |
| SO. CROSS 411          | 113.9                   | 136.9                   | 175.8                  | 22.1                   | 91.7                   | 0.5                     |
| CROW'S 688             | 114.8                   | 141.7                   | 174.4                  | 22.8                   | 93.1                   | 1.0                     |
| CALLAHAN 7776          | 109.3                   | 131.3                   | 174.2                  | 24.8                   | 93.5                   | 0.0                     |
| MCCURDY 7777           | 112.9                   | 140.1                   | 173.7                  | 22.2                   | 94.4                   | 3.4                     |
| ICI/GARST 8260         |                         |                         | 172.7                  | 21.5                   | 92.6                   | 0.5                     |
| BALDRIDGE BH 575       |                         | 135.1                   | 171.2                  | 21.2                   | 93.1                   | 1.5                     |
| FR27 X M017            | 122.0                   | 149.1                   | 168.6                  | 20.6                   | 89.4                   | 0.5                     |
| TERRA SEED TR1180      | 107.2                   | 131.0                   | 165.2                  | 24.5                   | 92.6                   | 0.5                     |
| COLBERT 250            |                         |                         | 163.9                  | 19.7                   | 94.0                   | 0.0                     |
| NORTHROP KING PX9540   |                         | 133.8                   | 156.0                  | 21.3                   | 81.0                   | 0.0                     |
| BALDRIDGE BH 605       |                         |                         | 142.2                  | 21.0                   | 91.7                   | 2.5                     |
| LATE YELLOW HYBRIDS    |                         |                         |                        |                        |                        |                         |
| CIBA-GEIGY 4671        |                         | 154.2*                  | 208.5*                 | 24.1                   | 95.4                   | 0.5                     |
| ASGROW RX919           |                         | 151.0*                  | 197.9                  | 27.2                   | 97.2                   | 0.5                     |
| ASGROW RX947           | 111.6                   | 143.2                   | 196.2                  | 24.8                   | 91.7                   | 0.0                     |
| PIONEER BRAND 3142     | 112.4                   | 139.2                   | 195.6                  | 23.7                   | 91.2                   | 2.2                     |
| STINE SEEDS 1171       |                         |                         | 195.4                  | 23.0                   | 89.8                   | 0.0                     |
| DEKALB DK743           |                         | 155.4*                  | 192.1                  | 23.4                   | 93.5                   | 2.4                     |
| SO. STATES SS943       |                         |                         | 191.6                  | 25.2                   | 93.1                   | 0.5                     |
| PIONEER BRAND 3165     | 120.7                   | 148.0                   | 189.3                  | 25.1                   | 93.1                   | 0.0                     |
| JACQUES 8510           |                         |                         | 188.6                  | 23.9                   | 98.1                   | 0.5                     |
| PIONEER BRAND 3154     | 126.2*                  | 148.2                   | 187.7                  | 22.8                   | 91.7                   | 0.0                     |
| JACQUES 9220           |                         |                         | 186.7                  | 22.4                   | 97.2                   | 1.9                     |
| FR27 X PA91            | 110.9                   | 141.7                   | 185.9                  | 25.6                   | 88.9                   | 0.6                     |
| STINE SEEDS 1250       |                         |                         | 184.8                  | 23.6                   | 93.5                   | 0.5                     |
| CROW'S 670             | 112.5                   | 140.3                   | 182.8                  | 25.9                   | 95.8                   | 3.3                     |
| DEKALB DK715           | 133.6*                  | 161.0*                  | 181.8                  | 24.4                   | 94.4                   | 0.5                     |
| STEWART HYBRIDS S-8815 | 113.5                   | 136.4                   | 181.5                  | 22.3                   | 92.1                   | 1.0                     |
| CARGILL 8427           | 122.3                   | 152.1*                  | 180.3                  | 26.5                   | 94.9                   | 0.5                     |
| CAVERDALE FM. CF 950   | 111.5                   | 127.6                   | 180.1                  | 23.3                   | 91.2                   | 0.0                     |
| STEWART HYBRIDS HYL 1  |                         |                         | 179.0                  | 22.9                   | 93.5                   | 3.0                     |
| BO-JAC 905             | 112.9                   | 140.4                   | 166.4                  | 25.4                   | 93.1                   | 0.0                     |
| AGRIGENE AG-7880       |                         |                         | 158.9                  | 24.0                   | 93.5                   | 2.9                     |
| YELLOW AVERAGE         | 120.1                   | 148.6                   | 187.9                  | 21.9                   | 93.7                   | 0.8                     |
| WHITE HYBRIDS          |                         |                         |                        |                        |                        |                         |
| ZIMMERMAN Z61W         | 112.5                   | 143.4                   | 206.3*                 | 21.9                   | 93.5                   | 0.5                     |
| NC+ HYBRIDS NC+ 6555W  |                         |                         | 191.9                  | 22.5                   | 94.4                   | 0.0                     |
| PIONEER BRAND 3281W    |                         | 146.5                   | 190.6                  | 21.3                   | 94.0                   | 0.0                     |
| NORTHROP KING X780W    |                         |                         | 187.4                  | 23.3                   | 94.4                   | 0.0                     |
| ICI/GARST N9122W       |                         |                         | 186.1                  | 23.5                   | 94.4                   | 0.5                     |
| VINEYARD SEED V-449W   |                         |                         | 186.0                  | 22.1                   | 95.4                   | 1.0                     |
| CIBA-GEIGY 4652W       |                         |                         | 182.2                  | 23.3                   | 96.8                   | 1.4                     |
| ZIMMERMAN Z16W         |                         | 139.6                   | 179.4                  | 24.9                   | 96.3                   | 0.5                     |
| SO. STATES SS917W      | 103.8                   | 138.2                   | 178.8                  | 24.8                   | 90.7                   | 0.0                     |
| CARGILL 9402W          |                         |                         | 177.1                  | 25.2                   | 96.3                   | 1.0                     |
| ASGROW XP8091W         |                         |                         | 176.9                  | 22.4                   | 91.7                   | 1.0                     |
| VINEYARD SEED MV-58W   |                         | 141.2                   | 175.5                  | 23.9                   | 95.8                   | 0.0                     |
| ZIMMERMAN Z63W         |                         | 141.3                   | 173.4                  | 23.0                   | 92.6                   | 1.5                     |
| VINEYARD SEED MV-68W   |                         | 127.6                   | 173.3                  | 25.4                   | 95.8                   | 0.0                     |
| AGRIGOLD A-6796W       | 108.6                   | 132.5                   | 172.7                  | 27.0                   | 93.1                   | 2.0                     |
| NOBLE BEAR NB 747W     |                         | 127.3                   | 172.3                  | 22.6                   | 81.0                   | 0.0                     |
| NORTHROP KING N8565W   | 96.4                    | 120.2                   | 167.4                  | 25.9                   | 93.1                   | 0.5                     |
| SO. STATES SS922W      |                         |                         | 166.5                  | 26.6                   | 95.8                   | 0.5                     |
| NOBLE BEAR NB 742W     | 112.9                   | 132.5                   | 163.9                  | 22.0                   | 92.1                   | 1.0                     |
| ICI/SC W707            | 110.2                   | 137.6                   | 162.7                  | 25.3                   | 92.6                   | 0.5                     |
| NOBLE BEAR NB 739W     |                         | 122.9                   | 161.0                  | 23.8                   | 89.8                   | 1.0                     |
| CARGILL 9400W          | 107.8                   | 128.4                   | 158.6                  | 28.3                   | 97.7                   | 0.0                     |
| WHITE AVERAGE          | 107.5                   | 134.2                   | 176.8                  | 24.0                   | 93.5                   | 0.6                     |
| GRAND AVERAGE          | 118.3                   | 146.1                   | 186.0                  | 22.3                   | 93.7                   | 0.7                     |
| LSD (0.10)             | 12.7                    | 16.5                    | 19.6                   | 2.4                    | 5.0                    | 1.9                     |
| C.V.                   |                         |                         | 7.8                    | 7.9                    | 3.9                    | 189.0                   |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

**Table 11. —Annual Summary, Shelbyville**

| BRAND/HYBRID                 | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| <b>EARLY YELLOW HYBRIDS</b>  |                         |                         |                        |                        |                        |                         |
| ICI/GARST 8513               |                         |                         | 210.8                  | 17.8                   | 97.9                   | 0.0                     |
| PIONEER BRAND 3394           |                         | 152.4                   | 195.2                  | 18.0                   | 91.5                   | 0.9                     |
| NORTHROP KING N6330          |                         |                         | 188.2                  | 17.8                   | 85.5                   | 0.0                     |
| STINE SEEDS 1118             |                         | 154.1                   | 185.3                  | 19.1                   | 81.2                   | 1.0                     |
| PIONEER BRAND 3527           |                         |                         | 183.6                  | 17.8                   | 91.0                   | 0.0                     |
| DEKALB DK633                 |                         |                         | 182.5                  | 18.3                   | 92.7                   | 1.7                     |
| FR618 X FR600                |                         |                         | 170.4                  | 17.3                   | 91.5                   | 0.5                     |
| <b>MEDIUM YELLOW HYBRIDS</b> |                         |                         |                        |                        |                        |                         |
| AGRIGOLD A-6690              |                         | 185.9*                  | 236.2*                 | 20.7                   | 94.0                   | 0.0                     |
| ADLERS 7850                  |                         |                         | 229.2*                 | 21.0                   | 89.3                   | 0.0                     |
| SO. STATES SS812             |                         | 169.6                   | 229.0*                 | 20.6                   | 90.2                   | 1.0                     |
| NC+ HYBRIDS NC+ 7304         |                         |                         | 228.5*                 | 21.0                   | 91.0                   | 0.0                     |
| CALLAHAN C7269               |                         |                         | 226.5*                 | 20.5                   | 90.6                   | 0.0                     |
| STEWART HYBRIDS S-9213       |                         | 183.4*                  | 225.6*                 | 20.9                   | 91.5                   | 0.5                     |
| NC+ HYBRIDS NC+ 6959         |                         |                         | 224.5*                 | 20.6                   | 83.8                   | 0.5                     |
| COLBERT 324                  | 157.1*                  | 180.9*                  | 223.3*                 | 20.9                   | 94.0                   | 0.4                     |
| GLICK SEED GH801             |                         |                         | 180.7*                 | 20.3                   | 86.8                   | 0.0                     |
| NORTHROP KING N8727          | 156.5*                  | 177.5*                  | 221.3*                 | 21.7                   | 95.7                   | 1.8                     |
| GARST SEED 8315              | 159.0*                  | 182.7*                  | 221.0*                 | 20.4                   | 93.6                   | 0.0                     |
| STINE SEEDS 1181             |                         |                         | 178.8*                 | 220.8*                 | 20.8                   | 93.2                    |
| CARGILL 7997                 |                         |                         | 179.2*                 | 220.7*                 | 20.2                   | 94.9                    |
| DEKALB DK689                 | 144.6                   | 168.1                   | 220.0*                 | 21.3                   | 93.2                   | 1.0                     |
| ZIMMERMAN Z27                | 161.8*                  | 177.5*                  | 219.9*                 | 20.8                   | 87.6                   | 1.4                     |
| AGRATECH 787                 |                         |                         | 176.9*                 | 219.8*                 | 21.4                   | 94.0                    |
| NORTHROP KING X748           |                         |                         | 219.5*                 | 20.5                   | 94.4                   | 0.0                     |
| SO. CROSS 612                |                         |                         | 219.3*                 | 20.2                   | 84.6                   | 0.0                     |
| PIONEER BRAND 3140           | 153.8*                  | 172.9*                  | 218.4*                 | 22.1                   | 90.6                   | 0.0                     |
| GUTWEIN 2810                 |                         |                         | 216.9                  | 20.7                   | 97.4                   | 0.0                     |
| AGRATECH 757                 |                         | 164.2                   | 216.4                  | 20.7                   | 88.5                   | 0.0                     |
| COLBERT 230                  |                         | 164.4                   | 215.7                  | 19.0                   | 91.9                   | 0.5                     |
| TERRA SEED TR1167            |                         |                         | 214.6                  | 20.2                   | 94.9                   | 0.0                     |
| COLBERT 250                  |                         |                         | 213.8                  | 19.6                   | 91.5                   | 0.0                     |
| AGRIGOLD XA2002              |                         |                         | 212.4                  | 20.3                   | 86.8                   | 0.5                     |
| CARGILL 9027                 | 148.5                   | 166.3                   | 212.3                  | 21.9                   | 87.6                   | 1.1                     |
| CIBA-GEIGY 4583              |                         |                         | 212.1                  | 20.2                   | 86.3                   | 1.0                     |
| STEWART HYBRIDS S-8432       |                         |                         | 211.5                  | 20.8                   | 92.7                   | 0.4                     |
| ADLERS 6130                  | 153.9*                  | 169.2                   | 211.4                  | 20.0                   | 95.7                   | 0.5                     |
| SCOTT SEED LR 3350           | 142.2                   | 154.5                   | 210.9                  | 20.3                   | 91.5                   | 1.5                     |
| BECK'S 72X                   | 143.8                   | 165.2                   | 210.8                  | 21.2                   | 87.2                   | 2.0                     |
| BECK'S 82MVP                 |                         |                         | 210.5                  | 20.2                   | 83.8                   | 0.0                     |
| CAVERDALE FM. CF 953         |                         |                         | 210.4                  | 20.9                   | 89.7                   | 0.0                     |
| BECK'S 68X                   |                         | 164.9                   | 209.8                  | 20.0                   | 91.5                   | 0.0                     |
| ASGROW RX899                 |                         | 171.9*                  | 208.8                  | 20.6                   | 88.5                   | 0.0                     |
| BO-JAC 9250                  | 163.0*                  | 180.4*                  | 208.8                  | 21.6                   | 91.5                   | 0.9                     |
| PRAIRIE STREAM SX556         |                         |                         | 208.8                  | 20.7                   | 89.3                   | 0.9                     |
| PIONEER BRAND 3295           | 140.5                   | 163.5                   | 208.6                  | 18.9                   | 90.6                   | 1.4                     |
| ASGROW RX809                 |                         | 164.0                   | 208.2                  | 20.1                   | 86.8                   | 0.5                     |
| ICI/GARST 8260               |                         |                         | 208.1                  | 22.5                   | 89.3                   | 0.0                     |
| MCCURDY 7777                 | 164.2*                  | 181.2*                  | 207.2                  | 21.0                   | 86.8                   | 0.0                     |
| DEKALB DK646                 |                         |                         | 206.9                  | 19.0                   | 89.7                   | 0.5                     |
| AGRIGENE GA-9586             |                         |                         | 206.6                  | 22.1                   | 88.0                   | 2.4                     |
| GLICK SEED GH780             | 141.0                   | 164.3                   | 206.6                  | 20.7                   | 88.9                   | 0.5                     |
| BO-JAC 629                   |                         | 177.6*                  | 206.5                  | 21.9                   | 88.5                   | 0.5                     |
| AGRIGOLD A-6715              | 144.7                   | 167.0                   | 206.2                  | 21.1                   | 91.9                   | 1.4                     |
| CAVERDALE FM. CF 800A        |                         |                         | 206.1                  | 20.4                   | 87.2                   | 0.0                     |
| COLBERT 326                  | 154.6*                  | 176.5*                  | 204.9                  | 20.5                   | 90.6                   | 3.4                     |
| PIONEER BRAND 3245           |                         |                         | 167.7                  | 204.8                  | 19.8                   | 91.9                    |
| SO. CROSS 411                | 138.2                   | 150.1                   | 204.5                  | 19.8                   | 94.9                   | 0.5                     |
| PRAIRIE STREAM SX702         | 150.6                   | 165.6                   | 204.4                  | 21.4                   | 89.7                   | 1.4                     |
| MCCURDY 7400                 |                         | 175.3*                  | 203.9                  | 20.9                   | 84.2                   | 0.5                     |
| TERRA SEED TR1180            | 145.6                   | 163.5                   | 203.4                  | 21.1                   | 91.5                   | 0.5                     |
| AGRATECH 825                 | 141.9                   | 152.2                   | 202.5                  | 20.7                   | 87.2                   | 1.5                     |
| SO. STATES SS790             | 141.7                   | 149.1                   | 202.3                  | 19.8                   | 89.3                   | 0.9                     |
| SO. STATES SS793             | 146.3                   | 164.4                   | 201.6                  | 20.7                   | 90.2                   | 2.8                     |
| PIONEER BRAND 3279           |                         |                         | 201.4                  | 19.3                   | 90.6                   | 0.5                     |
| NC+ HYBRIDS NC+ 6485         |                         |                         | 201.0                  | 20.4                   | 92.3                   | 0.5                     |
| CIBA-GEIGY 4631              |                         | 160.4                   | 200.4                  | 20.4                   | 90.2                   | 0.0                     |
| CROW'S 667                   |                         |                         | 198.9                  | 20.1                   | 89.3                   | 0.5                     |
| JACQUES 8210                 | 146.8                   | 164.2                   | 198.4                  | 20.6                   | 88.9                   | 0.0                     |
| GUTWEIN 2680                 |                         |                         | 198.3                  | 20.4                   | 88.5                   | 0.0                     |
| TERRA SEED TR621E            |                         |                         | 198.3                  | 19.9                   | 88.0                   | 0.0                     |
| SO. CROSS 412                |                         |                         | 198.0                  | 20.5                   | 88.9                   | 0.5                     |

**Table 11. —Annual Summary, Shelbyville *continued***

| BRAND/HYBRID           | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| JACQUES 7970           |                         | 162.2                   | 197.9                  | 19.4                   | 89.3                   | 0.5                     |
| CROW'S 688             | 148.6                   | 164.4                   | 197.0                  | 20.9                   | 83.3                   | 0.5                     |
| GUTWEIN 2751           |                         |                         | 196.1                  | 21.8                   | 86.8                   | 1.0                     |
| GARST SEED 8250        | 145.1                   | 161.7                   | 195.7                  | 20.6                   | 89.7                   | 0.0                     |
| NORTHROP KING X701     |                         |                         | 195.5                  | 19.9                   | 91.9                   | 1.9                     |
| PRAIRIE STREAM SX704   |                         |                         | 193.1                  | 20.4                   | 84.2                   | 0.5                     |
| TERRA SEED TR1160      |                         |                         | 192.4                  | 19.7                   | 90.6                   | 0.5                     |
| CALLAHAN C776          | 134.0                   | 141.3                   | 191.8                  | 20.1                   | 87.6                   | 1.4                     |
| SCOTT SEED LR 3359     |                         | 153.2                   | 190.5                  | 19.6                   | 91.5                   | 0.0                     |
| CIBA-GEIGY 4651        |                         | 153.8                   | 189.3                  | 21.0                   | 85.9                   | 0.5                     |
| NC+ HYBRIDS NC+ 5860   |                         |                         | 187.1                  | 20.5                   | 85.5                   | 0.0                     |
| NORTHROP KING PX9540   |                         | 155.2                   | 186.5                  | 19.4                   | 80.8                   | 0.0                     |
| MCCURDY 7477           | 146.1                   | 163.3                   | 185.5                  | 21.4                   | 94.9                   | 0.5                     |
| CROW'S 669             | 135.0                   | 147.0                   | 184.4                  | 20.9                   | 92.3                   | 0.5                     |
| SCOTT SEED LR 5241     | 134.3                   | 151.9                   | 184.1                  | 20.6                   | 92.3                   | 0.5                     |
| BALDRIDGE BH 605       |                         |                         | 179.9                  | 20.6                   | 89.3                   | 0.5                     |
| BALDRIDGE BH 575       |                         | 138.1                   | 178.1                  | 19.7                   | 90.6                   | 0.5                     |
| FR27 X M017            | 133.1                   | 151.2                   | 176.6                  | 19.1                   | 85.0                   | 1.0                     |
| LATE YELLOW HYBRIDS    |                         |                         |                        |                        |                        |                         |
| ASGROW RX919           |                         | 180.3*                  | 226.6*                 | 24.2                   | 97.0                   | 0.4                     |
| CIBA-GEIGY 4671        |                         | 178.5*                  | 224.5*                 | 21.6                   | 95.7                   | 0.5                     |
| DEKALB DK715           | 158.9*                  | 181.4*                  | 222.5*                 | 20.8                   | 88.0                   | 0.0                     |
| SO. STATES S\$943      |                         |                         | 220.6*                 | 26.0                   | 79.5                   | 1.6                     |
| FR27 X PA91            | 152.3                   | 173.5*                  | 218.8*                 | 20.9                   | 93.6                   | 2.7                     |
| CROW'S 670             | 157.4*                  | 178.7*                  | 217.9                  | 22.8                   | 83.3                   | 1.0                     |
| STINE SEEDS 1250       |                         |                         | 215.5                  | 22.6                   | 89.3                   | 2.4                     |
| STINE SEEDS 1171       |                         |                         | 214.4                  | 20.9                   | 85.0                   | 1.0                     |
| JACQUES 9220           |                         |                         | 214.0                  | 22.1                   | 93.2                   | 0.0                     |
| PIONEER BRAND 3165     | 163.2*                  | 174.5*                  | 213.4                  | 23.6                   | 93.2                   | 0.0                     |
| PIONEER BRAND 3142     | 150.6                   | 169.6                   | 212.5                  | 21.5                   | 93.2                   | 1.0                     |
| DEKALB DK743           |                         | 176.9*                  | 210.2                  | 22.4                   | 91.9                   | 1.4                     |
| JACQUES 8510           |                         |                         | 208.1                  | 21.5                   | 91.5                   | 0.0                     |
| AGRIGENE AG-7880       |                         |                         | 207.9                  | 22.6                   | 90.6                   | 0.0                     |
| BO-JAC 905             | 141.5                   | 154.5                   | 200.8                  | 22.0                   | 93.2                   | 0.0                     |
| CAVERNDAL FM. CF 950   | 149.5                   | 165.8                   | 196.9                  | 22.2                   | 86.3                   | 0.5                     |
| ASGROW RX947           | 147.6                   | 170.9                   | 193.7                  | 23.8                   | 89.7                   | 0.0                     |
| PIONEER BRAND 3154     | 155.6*                  | 167.8                   | 192.8                  | 21.9                   | 93.2                   | 3.4                     |
| STEWART HYBRIDS HYL 1  |                         |                         | 187.5                  | 21.8                   | 86.3                   | 1.4                     |
| STEWART HYBRIDS S-8815 | 142.8                   | 156.6                   | 185.9                  | 21.5                   | 90.6                   | 1.0                     |
| CARGILL 8427           | 134.3                   | 149.7                   | 181.4                  | 21.4                   | 83.3                   | 0.5                     |
| YELLOW AVERAGE         | 148.1                   | 166.4                   | 205.8                  | 20.7                   | 89.8                   | 0.7                     |
| WHITE HYBRIDS          |                         |                         |                        |                        |                        |                         |
| CARGILL 9400W          | 143.2                   | 164.8                   | 215.8                  | 21.8                   | 90.2                   | 0.9                     |
| PIONEER BRAND 3281W    |                         | 171.3                   | 213.7                  | 22.3                   | 94.9                   | 0.0                     |
| CARGILL 9402W          |                         |                         | 210.9                  | 22.4                   | 91.5                   | 1.8                     |
| SO. STATES SS917W      | 138.2                   | 161.3                   | 210.2                  | 22.4                   | 92.7                   | 2.3                     |
| ICI/GARST N9122W       |                         |                         | 206.2                  | 22.7                   | 92.3                   | 0.0                     |
| ASGROW XP8091W         |                         |                         | 205.5                  | 20.6                   | 87.2                   | 0.5                     |
| ZIMMERMAN Z61W         | 136.0                   | 158.2                   | 204.0                  | 21.7                   | 94.4                   | 0.4                     |
| SO. STATES SS922W      |                         |                         | 202.6                  | 24.1                   | 91.9                   | 0.0                     |
| NORTHROP KING X780W    |                         |                         | 201.6                  | 21.1                   | 94.4                   | 0.4                     |
| ZIMMERMAN Z63W         |                         | 165.1                   | 201.0                  | 23.4                   | 88.0                   | 0.9                     |
| CIBA-GEIGY 4652W       |                         |                         | 199.1                  | 23.6                   | 92.7                   | 0.0                     |
| AGRIGOLD A-6796W       | 137.4                   | 155.0                   | 196.9                  | 22.5                   | 88.5                   | 1.0                     |
| ZIMMERMAN Z16W         |                         | 158.3                   | 196.4                  | 23.4                   | 92.7                   | 3.7                     |
| ICI/SC W707            | 149.7                   | 163.5                   | 196.1                  | 23.7                   | 89.7                   | 1.4                     |
| NC+ HYBRIDS NC+ 6555W  |                         |                         | 194.4                  | 21.3                   | 88.9                   | 1.6                     |
| VINEYARD SEED V-449W   |                         |                         | 193.4                  | 20.7                   | 88.9                   | 2.0                     |
| VINEYARD SEED MV-68W   |                         | 156.2                   | 193.3                  | 23.1                   | 93.2                   | 0.5                     |
| NORTHROP KING N8565W   | 139.0                   | 156.9                   | 190.4                  | 23.6                   | 92.3                   | 0.4                     |
| VINEYARD SEED MV-58W   |                         | 147.8                   | 180.8                  | 21.0                   | 82.9                   | 0.5                     |
| NOBLE BEAR NB 739W     |                         | 156.4                   | 179.0                  | 20.4                   | 83.8                   | 1.6                     |
| NOBLE BEAR NB 742W     | 136.9                   | 148.9                   | 171.0                  | 20.5                   | 85.0                   | 3.0                     |
| NOBLE BEAR NB 747W     |                         | 141.3                   | 159.0                  | 19.6                   | 81.2                   | 0.6                     |
| WHITE AVERAGE          | 140.1                   | 157.5                   | 196.4                  | 22.1                   | 89.9                   | 1.1                     |
| GRAND AVERAGE          | 146.9                   | 164.9                   | 204.3                  | 20.9                   | 89.8                   | 0.7                     |
| LSD (0.10)             | 11.6                    | 14.2                    | 17.8                   | 0.9                    | 7.3                    | 1.7                     |
| C.V.                   |                         |                         | 6.5                    | 3.3                    | 6.1                    | 170.4                   |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

**Table 12. —Annual Summary, Lexington**

| BRAND/HYBRID                 | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| <b>EARLY YELLOW HYBRIDS</b>  |                         |                         |                        |                        |                        |                         |
| DEKALB DK633                 |                         |                         | 184.5                  | 19.7                   | 93.5                   | 0.5                     |
| PIONEER BRAND 3394           |                         | 143.0                   | 182.8                  | 19.0                   | 85.6                   | 1.7                     |
| PIONEER BRAND 3527           |                         |                         | 181.4                  | 18.2                   | 94.4                   | 1.0                     |
| NORTHROP KING N6330          |                         |                         | 177.7                  | 19.1                   | 94.0                   | 1.0                     |
| ICI/GARST 8513               |                         |                         | 166.7                  | 20.7                   | 93.5                   | 0.0                     |
| STINE SEEDS 1118             |                         | 126.0                   | 165.9                  | 21.0                   | 88.9                   | 1.6                     |
| FR618 X FR600                |                         |                         | 153.0                  | 19.1                   | 93.5                   | 0.0                     |
| <b>MEDIUM YELLOW HYBRIDS</b> |                         |                         |                        |                        |                        |                         |
| AGRIGOLD XA2002              |                         |                         | 214.1*                 | 24.8                   | 97.2                   | 0.5                     |
| PIONEER BRAND 3279           |                         |                         | 208.6*                 | 21.1                   | 90.3                   | 1.0                     |
| BECK'S 72X                   | 160.6*                  | 157.8*                  | 207.9*                 | 22.1                   | 93.5                   | 3.0                     |
| SO. STATES SS812             |                         | 135.1                   | 203.1*                 | 22.8                   | 91.7                   | 0.0                     |
| DEKALB DK689                 | 145.1                   | 138.9                   | 199.8*                 | 24.0                   | 90.3                   | 0.0                     |
| PRAIRIE STREAM SX556         |                         |                         | 199.4*                 | 23.2                   | 96.3                   | 1.4                     |
| BECK'S 68X                   |                         | 147.9                   | 197.8                  | 23.1                   | 95.8                   | 0.5                     |
| BO-JAC 9250                  | 153.9*                  | 151.4*                  | 195.8                  | 24.7                   | 97.2                   | 0.0                     |
| MCCURDY 7400                 |                         | 162.0*                  | 195.8                  | 22.7                   | 92.1                   | 0.0                     |
| CARGILL 9027                 | 149.1*                  | 139.6                   | 195.3                  | 25.7                   | 91.2                   | 0.5                     |
| CARGILL 7997                 |                         | 157.4*                  | 195.1                  | 22.7                   | 90.7                   | 0.6                     |
| NORTHROP KING X701           |                         |                         | 194.3                  | 23.1                   | 94.0                   | 0.5                     |
| GLICK SEED GH780             | 133.5                   | 132.5                   | 193.3                  | 21.4                   | 97.7                   | 0.5                     |
| PRAIRIE STREAM SX702         | 146.8                   | 144.9                   | 193.0                  | 22.8                   | 90.3                   | 2.1                     |
| BO-JAC 629                   |                         | 138.7                   | 192.9                  | 23.1                   | 94.4                   | 0.0                     |
| TERRA SEED TR1180            | 148.2                   | 142.7                   | 192.3                  | 24.3                   | 91.7                   | 0.5                     |
| NC+ HYBRIDS NC+ 5860         |                         |                         | 191.8                  | 22.9                   | 92.6                   | 0.0                     |
| GUTWEIN 2810                 |                         |                         | 191.2                  | 22.3                   | 93.1                   | 0.5                     |
| SCOTT SEED LR 5241           | 136.0                   | 138.9                   | 190.5                  | 21.2                   | 86.6                   | 0.0                     |
| PIONEER BRAND 3140           | 160.2*                  | 151.5*                  | 189.9                  | 23.3                   | 90.7                   | 0.0                     |
| AGRIGOLD A-6715              | 135.2                   | 118.5                   | 188.8                  | 23.2                   | 90.3                   | 1.5                     |
| AGRATECH 787                 |                         | 122.3                   | 188.3                  | 24.1                   | 93.5                   | 3.0                     |
| GUTWEIN 2751                 |                         |                         | 187.4                  | 22.8                   | 94.9                   | 1.0                     |
| ASGROW RX809                 |                         | 149.9*                  | 187.2                  | 23.1                   | 89.8                   | 1.0                     |
| AGRIGENE GA-9586             |                         |                         | 187.1                  | 23.3                   | 89.8                   | 1.6                     |
| CIBA-GEIGY 4631              |                         | 146.9                   | 185.8                  | 23.9                   | 94.0                   | 1.0                     |
| DEKALB DK646                 |                         |                         | 185.6                  | 21.2                   | 88.9                   | 3.1                     |
| AGRATECH 757                 |                         | 114.3                   | 185.0                  | 22.8                   | 91.7                   | 0.0                     |
| MCCURDY 7777                 | 143.8                   | 140.7                   | 183.1                  | 22.5                   | 91.2                   | 0.0                     |
| GUTWEIN 2680                 |                         |                         | 182.1                  | 22.8                   | 91.2                   | 1.0                     |
| SO. STATES SS793             | 146.5                   | 142.1                   | 182.1                  | 23.3                   | 91.2                   | 1.0                     |
| ADLERS 6130                  | 144.5                   | 137.0                   | 181.5                  | 23.8                   | 94.4                   | 1.5                     |
| CALLAHAN C776                | 152.6*                  | 148.5                   | 181.5                  | 22.1                   | 92.6                   | 1.0                     |
| ICI/GARST 8260               |                         |                         | 181.3                  | 26.1                   | 92.1                   | 1.4                     |
| CAVERNDAL FM. CF 953         |                         |                         | 180.7                  | 25.7                   | 87.0                   | 0.0                     |
| COLBERT 324                  | 147.6*                  | 129.1                   | 180.7                  | 21.8                   | 93.1                   | 0.0                     |
| SO. STATES SS790             | 149.3*                  | 138.4                   | 180.6                  | 21.0                   | 91.7                   | 0.0                     |
| SCOTT SEED LR 3359           |                         | 137.3                   | 180.3                  | 20.9                   | 91.2                   | 1.0                     |
| NORTHROP KING X748           |                         |                         | 179.5                  | 24.7                   | 89.4                   | 1.0                     |
| ADLERS 7850                  |                         |                         | 178.3                  | 23.2                   | 94.9                   | 0.5                     |
| TERRA SEED TR621E            |                         |                         | 177.9                  | 22.0                   | 92.6                   | 3.0                     |
| SCOTT SEED LR 3350           | 147.5*                  | 131.9                   | 177.7                  | 21.6                   | 97.7                   | 0.5                     |
| COLBERT 326                  | 145.4                   | 129.7                   | 177.6                  | 24.4                   | 93.5                   | 0.5                     |
| CROW'S 669                   | 136.4                   | 131.4                   | 177.5                  | 23.3                   | 95.8                   | 0.5                     |
| STEWART HYBRIDS S-9213       |                         | 121.3                   | 176.2                  | 22.9                   | 96.3                   | 1.0                     |
| SO. CROSS 612                |                         |                         | 176.1                  | 27.0                   | 88.4                   | 1.1                     |
| CROW'S 667                   |                         |                         | 174.7                  | 23.9                   | 91.7                   | 1.0                     |
| ZIMMERMAN Z27                | 149.6*                  | 134.1                   | 174.6                  | 25.4                   | 89.8                   | 3.6                     |
| AGRATECH 825                 | 145.4                   | 136.1                   | 173.5                  | 23.0                   | 92.6                   | 0.5                     |
| COLBERT 230                  |                         | 129.1                   | 173.2                  | 22.5                   | 89.4                   | 2.1                     |
| COLBERT 250                  |                         |                         | 172.4                  | 23.0                   | 88.4                   | 0.0                     |
| CAVERNDAL FM. CF 800A        |                         |                         | 172.1                  | 23.2                   | 90.3                   | 2.7                     |
| STEWART HYBRIDS S-8432       |                         |                         | 171.9                  | 22.7                   | 90.3                   | 1.0                     |
| GARST SEED 8250              | 149.0*                  | 138.2                   | 171.3                  | 23.7                   | 93.1                   | 2.0                     |
| GARST SEED 8315              | 139.6                   | 115.8                   | 170.9                  | 24.0                   | 92.1                   | 0.5                     |
| NORTHROP KING N8727          | 140.5                   | 130.2                   | 170.8                  | 23.8                   | 90.3                   | 1.6                     |
| ASGROW RX899                 |                         | 104.7                   | 170.4                  | 22.5                   | 94.4                   | 1.0                     |
| GLICK SEED GH801             |                         | 125.2                   | 170.0                  | 23.4                   | 94.4                   | 1.0                     |
| AGRIGOLD A-6690              |                         | 126.4                   | 169.2                  | 22.5                   | 95.8                   | 0.0                     |
| CALLAHAN C7269               |                         |                         | 169.1                  | 23.1                   | 94.9                   | 1.0                     |
| PIONEER BRAND 3245           |                         | 133.4                   | 168.9                  | 21.9                   | 93.1                   | 1.0                     |
| NC+ HYBRIDS NC+ 6485         |                         |                         | 168.8                  | 21.1                   | 94.0                   | 1.0                     |
| BECK'S 82MVP                 |                         |                         | 168.0                  | 23.0                   | 91.2                   | 1.0                     |
| PRAIRIE STREAM SX704         |                         |                         | 167.3                  | 23.8                   | 91.7                   | 0.5                     |

**Table 12. —Annual Summary, Lexington continued**

| BRAND/HYBRID           | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| JACQUES 7970           |                         | 121.9                   | 166.7                  | 21.3                   | 94.0                   | 2.4                     |
| SO. CROSS 412          |                         |                         | 166.2                  | 23.9                   | 91.2                   | 0.5                     |
| NC+ HYBRIDS NC+ 6959   |                         |                         | 166.1                  | 23.0                   | 94.9                   | 2.4                     |
| NORTHRUP KING PX9540   |                         | 134.1                   | 165.8                  | 20.6                   | 87.0                   | 0.5                     |
| JACQUES 8210           | 145.3                   | 142.0                   | 165.4                  | 21.7                   | 93.1                   | 1.0                     |
| TERRA SEED TR1167      |                         |                         | 162.5                  | 23.7                   | 91.7                   | 1.0                     |
| BALDRIDGE BH 575       |                         | 113.6                   | 161.8                  | 23.5                   | 88.0                   | 1.0                     |
| SO. CROSS 411          | 130.3                   | 124.2                   | 161.4                  | 22.9                   | 92.1                   | 2.0                     |
| PIONEER BRAND 3295     | 148.4*                  | 127.3                   | 161.3                  | 20.9                   | 91.7                   | 0.0                     |
| CIBA-GEIGY 4651        |                         | 129.7                   | 160.8                  | 22.3                   | 89.8                   | 2.1                     |
| MCCURDY 7477           | 141.9                   | 132.6                   | 157.3                  | 21.2                   | 96.8                   | 0.0                     |
| BALDRIDGE BH 605       |                         |                         | 153.5                  | 23.4                   | 91.7                   | 2.2                     |
| CIBA-GEIGY 4583        |                         |                         | 152.4                  | 23.9                   | 91.7                   | 0.5                     |
| TERRA SEED TR1160      |                         |                         | 150.5                  | 21.3                   | 89.4                   | 0.5                     |
| NC+ HYBRIDS NC+ 7304   |                         |                         | 145.4                  | 25.9                   | 94.4                   | 1.9                     |
| CROW'S 688             | 133.3                   | 119.6                   | 143.1                  | 23.3                   | 86.6                   | 1.6                     |
| FR27 X MO17            | 125.7                   | 116.0                   | 135.9                  | 19.6                   | 87.5                   | 2.5                     |
| STINE SEEDS 1181       |                         | 95.3                    | 130.7                  | 24.1                   | 94.0                   | 0.0                     |
| LATE YELLOW HYBRIDS    |                         |                         |                        |                        |                        |                         |
| ASGROW RX919           |                         | 163.3*                  | 224.0*                 | 29.1                   | 95.8                   | 1.4                     |
| DEKALB DK743           |                         | 167.1*                  | 218.4*                 | 25.1                   | 94.4                   | 4.0                     |
| PIONEER BRAND 3142     | 157.1*                  | 144.0                   | 212.2*                 | 28.3                   | 92.1                   | 1.0                     |
| JACQUES 9220           |                         |                         | 204.1*                 | 23.9                   | 94.4                   | 0.5                     |
| CAVERNDALE FM. CF 950  | 147.0*                  | 137.8                   | 202.9*                 | 24.5                   | 92.6                   | 1.9                     |
| CIBA-GEIGY 4671        |                         | 141.8                   | 196.8                  | 25.5                   | 95.4                   | 1.0                     |
| CROW'S 670             | 155.1*                  | 146.4                   | 195.6                  | 26.7                   | 88.4                   | 1.0                     |
| AGRIGENE AG-7880       |                         |                         | 193.0                  | 21.9                   | 94.9                   | 0.0                     |
| SO. STATES SS943       |                         |                         | 188.2                  | 30.4                   | 88.4                   | 0.5                     |
| ASGROW RX947           | 147.2*                  | 142.2                   | 186.1                  | 26.8                   | 90.7                   | 2.5                     |
| PIONEER BRAND 3165     | 147.4*                  | 134.3                   | 184.1                  | 31.7                   | 95.8                   | 0.0                     |
| BO-JAC 905             | 143.5                   | 134.9                   | 182.9                  | 23.0                   | 89.4                   | 0.0                     |
| DEKALB DK715           | 132.7                   | 122.1                   | 181.3                  | 24.6                   | 92.6                   | 0.5                     |
| PIONEER BRAND 3154     | 145.5                   | 135.4                   | 179.1                  | 28.6                   | 89.4                   | 2.0                     |
| STINE SEEDS 1250       |                         |                         | 175.3                  | 24.7                   | 90.3                   | 0.5                     |
| FR27 X PA91            | 139.7                   | 135.1                   | 171.4                  | 25.4                   | 90.3                   | 3.5                     |
| STEWART HYBRIDS S-8815 | 125.8                   | 117.1                   | 169.4                  | 26.4                   | 93.1                   | 0.5                     |
| STEWART HYBRIDS HYL 1  |                         |                         | 167.5                  | 28.1                   | 90.7                   | 2.5                     |
| JACQUES 8510           |                         |                         | 160.3                  | 22.7                   | 94.9                   | 0.5                     |
| CARGILL 8427           | 143.5                   | 133.7                   | 157.6                  | 24.6                   | 94.4                   | 0.0                     |
| STINE SEEDS 1171       |                         |                         | 149.1                  | 28.5                   | 88.9                   | 0.0                     |
| YELLOW AVERAGE         | 144.3                   | 134.8                   | 178.8                  | 23.4                   | 92.2                   | 1.0                     |
| WHITE HYBRIDS          |                         |                         |                        |                        |                        |                         |
| VINEYARD SEED MV-58W   |                         | 128.6                   | 200.8*                 | 22.6                   | 94.9                   | 2.8                     |
| CARGILL 9402W          |                         |                         | 197.6                  | 23.8                   | 96.3                   | 1.5                     |
| PIONEER BRAND 3281W    |                         | 131.2                   | 189.9                  | 26.6                   | 92.1                   | 1.0                     |
| CARGILL 9400W          | 142.9                   | 128.5                   | 189.3                  | 24.8                   | 93.5                   | 0.5                     |
| CIBA-GEIGY 4652W       |                         |                         | 186.8                  | 28.7                   | 91.7                   | 2.0                     |
| ZIMMERMAN Z63W         |                         | 124.7                   | 186.5                  | 27.2                   | 89.8                   | 1.6                     |
| ICI/GARST N9122W       |                         |                         | 185.8                  | 24.7                   | 95.4                   | 3.4                     |
| SO. STATES SS917W      | 136.3                   | 121.3                   | 183.6                  | 23.9                   | 92.1                   | 4.9                     |
| ICI/SC W707            | 129.6                   | 121.4                   | 181.0                  | 27.1                   | 89.4                   | 0.6                     |
| ZIMMERMAN Z61W         | 134.8                   | 123.0                   | 179.9                  | 25.9                   | 91.7                   | 0.5                     |
| ZIMMERMAN Z16W         |                         | 115.1                   | 179.5                  | 28.7                   | 94.4                   | 1.0                     |
| ASGROW XP8091W         |                         |                         | 178.5                  | 21.5                   | 87.5                   | 0.5                     |
| VINEYARD SEED V-449W   |                         |                         | 178.0                  | 24.4                   | 93.1                   | 1.0                     |
| NORTHRUP KING X780W    |                         |                         | 175.9                  | 22.3                   | 85.6                   | 0.5                     |
| AGRIGOLD A-6796W       | 128.3                   | 112.8                   | 173.1                  | 24.0                   | 92.1                   | 2.4                     |
| NC+ HYBRIDS NC+ 6555W  |                         |                         | 165.4                  | 23.7                   | 95.8                   | 0.0                     |
| VINEYARD SEED MV-68W   |                         | 124.7                   | 162.2                  | 28.5                   | 95.8                   | 0.0                     |
| NORTHRUP KING N8565W   | 120.2                   | 105.2                   | 158.8                  | 25.8                   | 91.7                   | 2.5                     |
| SO. STATES SS922W      |                         |                         | 155.3                  | 26.7                   | 97.7                   | 0.9                     |
| NOBLE BEAR NB 742W     | 120.0                   | 110.4                   | 145.3                  | 21.6                   | 93.1                   | 1.5                     |
| NOBLE BEAR NB 739W     |                         | 117.9                   | 137.0                  | 22.4                   | 85.2                   | 0.5                     |
| NOBLE BEAR NB 747W     |                         | 110.8                   | 131.2                  | 21.6                   | 89.4                   | 2.3                     |
| WHITE AVERAGE          | 130.3                   | 119.7                   | 173.7                  | 24.8                   | 92.2                   | 1.5                     |
| GRAND AVERAGE          | 142.2                   | 132.2                   | 177.9                  | 23.6                   | 92.2                   | 1.1                     |
| LSD (0.10)             | 13.6                    | 18.0                    | 25.7                   | 2.2                    | 5.9                    | 2.2                     |
| C.V.                   |                         |                         | 10.7                   | 7.0                    | 4.8                    | 148.0                   |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

**Table 13. —Annual Summary, Quicksand**

| BRAND/HYBRID                 | YIELD<br>BU/AC<br>90-92 | YIELD<br>BU/AC<br>91-92 | YIELD<br>BU/AC<br>1992 | AVG %<br>MOIST<br>1992 | AVG %<br>STAND<br>1992 | TOT %<br>LODGED<br>1992 |
|------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|
| <b>EARLY YELLOW HYBRIDS</b>  |                         |                         |                        |                        |                        |                         |
| PIONEER BRAND 3527           |                         |                         | 164.8                  | 18.5                   | 90.7                   | 0.0                     |
| PIONEER BRAND 3394           |                         | 141.7                   | 162.1                  | 17.1                   | 92.6                   | 1.0                     |
| NORTHROP KING N6330          |                         |                         | 161.9                  | 16.9                   | 91.2                   | 0.0                     |
| ICI/GARST 8513               |                         |                         | 160.3                  | 17.5                   | 94.0                   | 0.0                     |
| STINE SEEDS 1118             |                         | 128.1                   | 150.7                  | 16.9                   | 92.1                   | 0.0                     |
| DEKALB DK633                 |                         |                         | 146.0                  | 18.2                   | 93.1                   | 1.0                     |
| FR618 X FR600                |                         |                         | 138.5                  | 17.2                   | 91.2                   | 1.5                     |
| <b>MEDIUM YELLOW HYBRIDS</b> |                         |                         |                        |                        |                        |                         |
| COLBERT 326                  | 174.7*                  | 169.6*                  | 195.4*                 | 17.5                   | 94.4                   | 0.5                     |
| PIONEER BRAND 3140           | 164.1*                  | 157.9*                  | 191.0*                 | 19.1                   | 92.1                   | 0.5                     |
| PIONEER BRAND 3245           |                         |                         | 143.1                  | 18.7                   | 95.8                   | 0.5                     |
| PRAIRIE STREAM SX702         | 159.3*                  | 147.2                   | 185.7*                 | 20.0                   | 94.9                   | 1.0                     |
| GUTWEIN 2751                 |                         |                         | 184.7*                 | 18.0                   | 95.8                   | 0.0                     |
| DEKALB DK689                 | 157.7                   | 155.4*                  | 183.2*                 | 19.5                   | 96.8                   | 0.0                     |
| ASGROW RX899                 |                         |                         | 148.0                  | 18.3                   | 95.8                   | 0.0                     |
| PIONEER BRAND 3295           | 159.9*                  | 151.2*                  | 180.1*                 | 18.1                   | 94.0                   | 0.5                     |
| PIONEER BRAND 3279           |                         |                         | 179.7*                 | 18.8                   | 93.5                   | 0.0                     |
| NORTHROP KING N8727          | 166.3*                  | 155.7*                  | 176.3*                 | 20.3                   | 94.0                   | 0.0                     |
| GUTWEIN 2810                 |                         |                         | 174.4*                 | 18.6                   | 94.0                   | 1.0                     |
| STEWART HYBRIDS S-9213       |                         | 137.6                   | 174.4*                 | 18.8                   | 94.9                   | 0.5                     |
| DEKALB DK646                 |                         |                         | 173.1*                 | 18.4                   | 93.5                   | 0.0                     |
| ADLERS 7850                  |                         |                         | 172.8*                 | 18.9                   | 92.6                   | 0.0                     |
| NC+ HYBRIDS NC+ 6485         |                         |                         | 172.0*                 | 17.2                   | 92.1                   | 0.0                     |
| BO-JAC 9250                  | 158.3                   | 155.7*                  | 171.4*                 | 18.4                   | 94.0                   | 0.0                     |
| CARGILL 9027                 | 161.6*                  | 153.6*                  | 170.1                  | 19.8                   | 95.8                   | 0.0                     |
| TERRA SEED TR1167            |                         |                         | 169.7                  | 17.7                   | 93.1                   | 0.5                     |
| AGRATECH 757                 |                         | 135.1                   | 169.6                  | 19.6                   | 94.0                   | 0.5                     |
| BO-JAC 629                   |                         | 142.4                   | 168.9                  | 18.7                   | 95.4                   | 0.9                     |
| NORTHROP KING X748           |                         |                         | 168.2                  | 21.1                   | 94.9                   | 0.0                     |
| COLBERT 324                  | 143.0                   | 131.5                   | 167.9                  | 18.3                   | 95.8                   | 1.0                     |
| COLBERT 230                  |                         |                         | 136.2                  | 17.9                   | 94.9                   | 0.5                     |
| GARST SEED 8315              | 150.6                   | 136.7                   | 166.4                  | 19.5                   | 93.1                   | 0.0                     |
| NC+ HYBRIDS NC+ 6959         |                         |                         | 166.3                  | 18.0                   | 85.6                   | 0.0                     |
| SO. STATES SS793             | 157.9                   | 149.9*                  | 165.8                  | 19.3                   | 95.4                   | 0.0                     |
| SO. STATES SS812             |                         |                         | 137.6                  | 17.5                   | 95.4                   | 1.0                     |
| TERRA SEED TR1180            | 156.6                   | 148.5*                  | 165.8                  | 19.2                   | 91.2                   | 0.0                     |
| GUTWEIN 2680                 |                         |                         | 165.5                  | 19.3                   | 90.3                   | 0.0                     |
| AGRIGOLD A-6715              | 156.6                   | 145.8*                  | 165.2                  | 20.0                   | 93.1                   | 0.0                     |
| ADLERS 6130                  | 149.3                   | 144.9                   | 164.8                  | 18.2                   | 92.1                   | 0.0                     |
| AGRATECH 787                 |                         | 130.7                   | 164.8                  | 19.1                   | 91.7                   | 0.0                     |
| SO. CROSS 412                |                         |                         | 164.8                  | 18.0                   | 92.6                   | 0.0                     |
| BECK'S 72X                   | 157.5                   | 144.4                   | 163.6                  | 17.4                   | 94.0                   | 3.0                     |
| NC+ HYBRIDS NC+ 7304         |                         |                         | 162.8                  | 19.6                   | 89.8                   | 0.0                     |
| GLICK SEED GH780             | 134.9                   | 128.8                   | 162.7                  | 18.5                   | 93.1                   | 0.0                     |
| CIBA-GEIGY 4651              |                         | 127.1                   | 162.1                  | 19.3                   | 88.0                   | 0.0                     |
| COLBERT 250                  |                         |                         | 162.1                  | 17.8                   | 95.8                   | 0.5                     |
| CALLAHAN C7269               |                         |                         | 161.0                  | 19.6                   | 95.8                   | 0.0                     |
| CALLAHAN C776                | 145.0                   | 139.8                   | 160.9                  | 20.2                   | 93.5                   | 0.0                     |
| CAVERNDAL FM. CF 800A        |                         |                         | 160.5                  | 17.5                   | 95.8                   | 0.0                     |
| SCOTT SEED LR 3359           |                         | 151.0*                  | 160.1                  | 18.1                   | 94.9                   | 0.5                     |
| CIBA-GEIGY 4631              |                         | 137.5                   | 159.8                  | 19.4                   | 82.9                   | 0.0                     |
| CROW'S 667                   |                         |                         | 158.6                  | 17.8                   | 88.4                   | 0.5                     |
| CAVERNDAL FM. CF 953         |                         |                         | 158.5                  | 17.9                   | 94.4                   | 0.0                     |
| MCCURDY 7777                 | 153.6                   | 145.1                   | 158.3                  | 19.7                   | 89.4                   | 1.1                     |
| CROW'S 669                   | 131.9                   | 129.3                   | 158.0                  | 19.8                   | 90.3                   | 0.0                     |
| MCCURDY 7477                 | 147.5                   | 138.8                   | 158.0                  | 20.5                   | 89.8                   | 0.0                     |
| NC+ HYBRIDS NC+ 5860         |                         |                         | 156.6                  | 18.2                   | 91.7                   | 0.0                     |
| STINE SEEDS 1181             |                         | 141.5                   | 156.0                  | 18.9                   | 91.7                   | 0.0                     |
| SCOTT SEED LR 5241           | 148.3                   | 144.4                   | 155.5                  | 18.4                   | 91.2                   | 0.0                     |
| GARST SEED 8250              | 148.3                   | 139.7                   | 155.4                  | 19.8                   | 87.5                   | 0.5                     |
| TERRA SEED TR1160            |                         |                         | 155.3                  | 19.3                   | 87.5                   | 0.0                     |
| BECK'S 68X                   |                         | 158.1*                  | 155.1                  | 17.1                   | 96.3                   | 0.0                     |
| AGRIGOLD XA2002              |                         |                         | 155.0                  | 19.5                   | 93.5                   | 0.0                     |
| SO. STATES SS790             | 147.6                   | 133.6                   | 155.0                  | 18.2                   | 92.1                   | 0.5                     |
| MCCURDY 7400                 |                         | 136.9                   | 154.9                  | 17.8                   | 94.4                   | 0.0                     |
| CIBA-GEIGY 4583              |                         |                         | 154.8                  | 18.0                   | 91.7                   | 0.0                     |
| AGRATECH 825                 | 150.9                   | 143.9                   | 154.7                  | 21.3                   | 90.7                   | 0.0                     |
| SCOTT SEED LR 3350           | 139.8                   | 122.8                   | 154.2                  | 17.9                   | 94.0                   | 0.0                     |
| JACQUES 8210                 | 145.0                   | 133.6                   | 154.0                  | 17.9                   | 92.6                   | 0.5                     |
| STEWART HYBRIDS S-8432       |                         |                         | 153.9                  | 17.9                   | 94.4                   | 0.0                     |
| CARGILL 7997                 |                         | 134.2                   | 153.8                  | 17.8                   | 90.3                   | 0.0                     |
| NORTHROP KING X701           |                         |                         | 153.7                  | 18.3                   | 94.9                   | 0.0                     |



**Table 13. —Annual Summary, Quicksand *continued***

| BRAND/HYBRID           | YIELD          | YIELD          | YIELD         | AVG %         | AVG %         | TOT %          |
|------------------------|----------------|----------------|---------------|---------------|---------------|----------------|
|                        | BU/AC<br>90-92 | BU/AC<br>91-92 | BU/AC<br>1992 | MOIST<br>1992 | STAND<br>1992 | LODGED<br>1992 |
| ZIMMERMAN Z27          | 142.3          | 132.1          | 153.7         | 18.0          | 90.7          | 1.1            |
| SO. CROSS 411          | 148.5          | 136.6          | 152.9         | 17.1          | 96.8          | 0.0            |
| AGRIGOLD A-6690        |                | 125.8          | 152.7         | 18.4          | 96.3          | 0.0            |
| BECK'S 82MVP           |                |                | 152.2         | 18.9          | 91.2          | 0.0            |
| GLICK SEED GH801       |                | 144.8          | 152.2         | 17.3          | 96.3          | 0.0            |
| PRAIRIE STREAM SX556   |                |                | 151.5         | 19.1          | 98.1          | 0.0            |
| ASGROW RX809           |                | 153.0*         | 151.3         | 17.0          | 90.3          | 0.0            |
| AGRIGENE GA-9586       |                |                | 149.8         | 20.6          | 94.0          | 0.0            |
| BALDRIDGE BH 575       |                | 126.8          | 148.8         | 17.2          | 90.3          | 1.5            |
| SO. CROSS 612          |                |                | 147.6         | 19.2          | 80.6          | 0.0            |
| CROW'S 688             | 142.8          | 135.1          | 145.2         | 17.1          | 94.9          | 1.0            |
| JACQUES 7970           |                | 121.3          | 143.1         | 17.9          | 96.8          | 0.5            |
| ICI/GARST 8260         |                |                | 142.2         | 18.7          | 75.9          | 0.5            |
| TERRA SEED TR621E      |                |                | 142.2         | 18.6          | 95.4          | 0.5            |
| NORTHROP KING PX9540   |                | 130.9          | 141.5         | 17.1          | 95.4          | 0.0            |
| PRAIRIE STREAM SX704   |                |                | 138.9         | 17.3          | 94.0          | 2.0            |
| FR27 X M017            | 122.9          | 104.2          | 138.8         | 17.9          | 94.9          | 1.0            |
| BALDRIDGE BH 605       |                |                | 131.9         | 18.3          | 91.7          | 0.5            |
| LATE YELLOW HYBRIDS    |                |                |               |               |               |                |
| ASGROW RX919           |                | 157.1*         | 191.6*        | 20.4          | 91.7          | 0.5            |
| CIBA-GEIGY 4671        |                | 153.3*         | 191.6*        | 20.9          | 91.7          | 0.5            |
| SO. STATES SS943       |                |                | 190.4*        | 22.4          | 90.7          | 0.6            |
| JACQUES 9220           |                |                | 190.0*        | 20.2          | 92.6          | 0.0            |
| PIONEER BRAND 3142     | 161.4*         | 153.7*         | 185.9*        | 20.1          | 88.4          | 0.0            |
| DEKALB DK743           |                | 145.9          | 185.7*        | 19.4          | 94.9          | 0.0            |
| CAVERDALE FM. CF 950   | 148.4          | 146.9          | 183.8*        | 20.0          | 97.7          | 0.0            |
| JACQUES 8510           |                |                | 177.8*        | 19.6          | 96.8          | 0.5            |
| CROW'S 670             | 155.6          | 149.7*         | 171.4*        | 21.6          | 92.6          | 1.0            |
| PIONEER BRAND 3165     | 160.6*         | 157.8*         | 168.3         | 22.4          | 95.4          | 0.5            |
| ASGROW RX947           | 161.9*         | 155.8*         | 167.6         | 20.3          | 89.4          | 0.0            |
| PIONEER BRAND 3154     | 143.0          | 138.0          | 167.3         | 20.2          | 88.9          | 0.5            |
| DEKALB DK715           | 146.2          | 138.0          | 165.0         | 19.6          | 89.4          | 0.0            |
| STINE SEEDS 1250       |                |                | 157.3         | 18.6          | 88.9          | 0.0            |
| STINE SEEDS 1171       |                |                | 154.8         | 19.4          | 89.4          | 1.0            |
| CARGILL 8427           | 137.9          | 124.6          | 151.6         | 19.5          | 90.3          | 0.0            |
| BO-JAC 905             | 157.4          | 146.6          | 151.4         | 20.9          | 92.6          | 0.5            |
| AGRIGENE AG-7880       |                |                | 146.1         | 18.7          | 94.4          | 0.5            |
| FR27 X PA91            | 147.1          | 130.5          | 142.6         | 18.9          | 89.8          | 2.4            |
| STEWART HYBRIDS S-8815 | 126.4          | 108.9          | 138.2         | 20.2          | 89.8          | 0.5            |
| STEWART HYBRIDS HYL 1  |                |                | 129.9         | 19.9          | 80.6          | 3.8            |
| YELLOW AVERAGE         | 150.5          | 140.8          | 162.1         | 18.8          | 92.4          | 0.4            |
| WHITE HYBRIDS          |                |                |               |               |               |                |
| ASGROW XP8091W         |                |                | 176.1*        | 19.1          | 96.8          | 0.0            |
| ZIMMERMAN Z63W         |                | 153.7*         | 174.4*        | 20.5          | 89.8          | 0.0            |
| ZIMMERMAN Z61W         | 156.2          | 151.3*         | 172.7*        | 19.6          | 95.8          | 0.0            |
| SO. STATES SS922W      |                |                | 172.5*        | 24.3          | 96.8          | 0.0            |
| CARGILL 9402W          |                |                | 168.5         | 21.3          | 95.8          | 1.0            |
| NORTHROP KING N8565W   | 150.3          | 150.8*         | 167.9         | 20.1          | 92.6          | 0.0            |
| CIBA-GEIGY 4652W       |                |                | 166.0         | 21.7          | 94.9          | 0.0            |
| PIONEER BRAND 3281W    |                | 138.7          | 164.1         | 19.0          | 91.2          | 0.0            |
| VINEYARD SEED MV-58W   |                | 157.7*         | 163.8         | 20.9          | 96.3          | 0.0            |
| NC+ HYBRIDS NC+, 6555W |                |                | 162.8         | 18.9          | 89.8          | 0.0            |
| NORTHROP KING X780W    |                |                | 159.0         | 20.4          | 94.0          | 0.0            |
| ICI/GARST N9122W       |                |                | 152.7         | 21.8          | 94.9          | 0.5            |
| SO. STATES SS917W      | 155.0          | 149.2*         | 152.5         | 20.1          | 96.8          | 0.0            |
| CARGILL 9400W          | 147.7          | 148.6*         | 151.8         | 21.7          | 94.4          | 0.0            |
| ZIMMERMAN Z16W         |                | 138.4          | 148.4         | 22.0          | 91.7          | 0.0            |
| ICI/SC W707            | 143.5          | 127.6          | 145.8         | 18.9          | 91.7          | 0.0            |
| AGRIGOLD A-6796W       | 148.0          | 140.0          | 145.7         | 21.3          | 91.2          | 0.0            |
| VINEYARD SEED MV-68W   |                | 138.8          | 139.7         | 20.1          | 89.8          | 0.5            |
| NOBLE BEAR NB 742W     | 145.7          | 133.5          | 132.8         | 17.1          | 93.1          | 0.0            |
| NOBLE BEAR NB 739W     |                | 116.6          | 125.5         | 18.7          | 91.7          | 0.0            |
| VINEYARD SEED V-449W   |                |                | 120.4         | 18.3          | 88.9          | 1.3            |
| NOBLE BEAR NB 747W     |                | 93.1           | 120.3         | 18.7          | 88.0          | 0.0            |
| WHITE AVERAGE          | 149.5          | 138.4          | 153.8         | 20.2          | 93.0          | 0.1            |
| GRAND AVERAGE          | 150.3          | 140.4          | 160.7         | 19.1          | 92.5          | 0.3            |
| LSD (0.10)             | 16.1           | 21.2           | 24.7          | 2.0           | 7.9           | 1.0            |
| C.V.                   |                |                | 11.4          | 7.7           | 6.4           | 225.1          |

\* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid mean in that column.

