

Results of the  
**KENTUCKY HYBRID CORN  
PERFORMANCE TEST — 1968**

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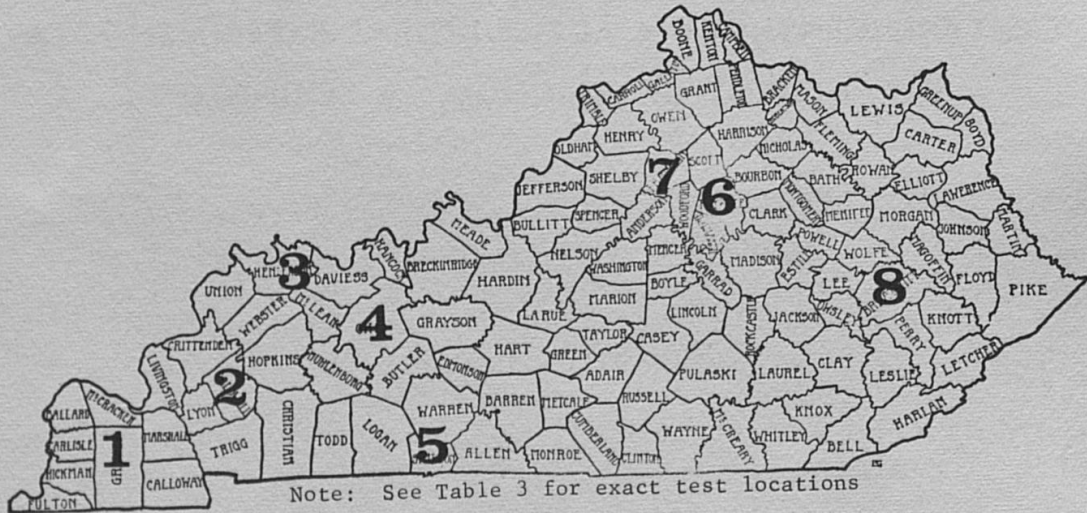
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TESTING LOCATIONS OF THE 1968  
KENTUCKY HYBRID CORN PERFORMANCE TRIALS



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INTRODUCTION

The information presented in this progress report is intended to provide farmers, seedsmen and other interested persons with unbiased performance estimates of hybrid seed corn sold in Kentucky. Although the general objective of the 1968 test is the same as past years, changes have been made which will hopefully increase the usefulness to all concerned.

A most noticeable change is the substitution of mechanical planting and harvesting for hand methods. The intent of this change is to provide procedures which resemble, as closely as possible, the actual procedures used by farmers. An equal number of kernels was planted for each hybrid at a particular population so that a hybrid's field germination and survival fitness would be evaluated under actual growing conditions. The grain was harvested by machine with no gleaning of dropped ears. Only grain picked up and passed through the harvesting equipment contributed to yield. Therefore, yields shown in the tables reflect the hybrid's ability to germinate and survive through the growing season, its resistance to lodging and diseases, and its harvestability as well as its inherent ability to produce grain. Other important changes are the selection of hybrids to be included in the test, the number of hybrids included, and the number of testing locations. These alterations assure an adequate sampling of available corn hybrids and of soil and climatic variation in the state.

TESTING PROCEDURE

Selection of Entries

The 64 hybrids shown in table 1 were selected from those being marketed in Kentucky. An asterisk (\*) identifies several new hybrids that will be available for the first time in 1969. The hybrids to be included were recommended by two independent groups: (1) a committee of farmers with broad interests throughout the state and (2) the hybrid corn companies. The final choices



were made by the testing personnel and state grains specialist. Seed for planting was obtained by test personnel from local seed dealers throughout the state. The hybrids listed in table 1 represent those hybrids grown on the majority of Kentucky's corn acreage.

#### Location of Tests

In 1968, tests were conducted in eight different soil or climatic areas of the state. The map at the beginning of this report shows the location and table 3 presents pertinent agronomic data for each location. Five test sites were located in the western section of the state and three in the eastern section. Three of the sites were on University of Kentucky research farms and five in farmers' fields. At two locations, Princeton and Lexington, both a normal and high population test were grown.

The Frankfort location was specifically chosen because of the presence of maize dwarf mosaic virus, a disease which threatens corn production in certain parts of the state. The Quicksand location had an unforeseen but mild infestation of m.d.m.v. Also unforeseen was the heavy infestation of leaf blight at the Henderson location. Although ratings for leaf blight were not made, varietal resistance to this disease is indicated by the hybrid's ability to yield under these conditions.

Obviously, every soil and climatic condition is not represented but with the limitations of time and resources the selected locations do an adequate job of sampling the major corn growing areas.

#### Cultural Practices

For all locations, ground was broken and worked to prepare a good seedbed by conventional tillage procedures. Fertilizer was applied as indicated by soil tests. Herbicides were used for weed control and supplemented with post emergence cultivation when necessary. Table 3 shows the specific fertilizer and herbicide treatments for each location.

#### Experimental Design

Uncontrollable variability owing to minor variation of soil type, fertility and other factors was sampled by using three replications of an 8 x 8 balanced lattice. A separate randomization was employed for each location. The data presented in tables 4

through 25 have been adjusted for block and replication differences when shown applicable by statistical analyses.

#### Planting

All plots were planted with a conventional four-row corn planter modified for small plot work. Special planting heads replaced normal planter plates and boxes to permit clean-out after planting each plot row. Each hybrid plot consisted of 3 side-by-side rows. The 2 outer rows bordered the middle row from competitive effects of neighboring hybrids and were not used for collection of data. Row width at all locations was 38 inches. Population was varied by altering combinations of row length and number of kernels planted per row. A procedure more representative of farmer practices, uniformity of depth and spacing, and convenience to the testing personnel are advantages of this new procedure over the old hand planting technique.

#### Harvesting

All plots were harvested with a conventional tractor-mounted, one-row picker-sheller. Each middle row of the 3-row hybrid plot was picked, shelled, and the grain collected in a burlap sack. The weight and moisture content of the grain from each plot were then recorded. Acre yields were calculated and adjusted to No. 2 corn at 15.5% moisture. Only grain picked up by the harvesting equipment appears in the yield column of the tables since plots were not gleaned for dropped or missed ears.

#### Maize Dwarf Mosaic Virus

At Frankfort and Quicksand, m.d.m. ratings were made on all hybrids. The ratings presented in Tables 16 and 25 will be of use when selecting hybrids for areas where this disease is prevalent. As indicated by the severity of the ratings, m.d.m.v. infestation was much heavier at Frankfort than at Quicksand. At Frankfort, animal pests destroyed the grain of many entries; therefore, grain yield data was not collected in 1968. However virus ratings from the 1968, 1967 and 1966 tests as well as grain yields from the 1967 test are presented in Table 25. In general, yield of a hybrid is positively correlated with the m.d.m. rating as can be seen from the 1967 data.



## RESULTS

Tables 4 through 25 present the results of the 1968 Kentucky Hybrid Corn Performance Test. The heading of each table describes the number of years data included in the table, the plant population and the location of the test. The Princeton, Hartford and Lexington locations have 2- and 3-year summaries as well as annual summaries. For each table where more than one year's data is included in the averages, plant population has varied from year to year. In 1966 and 1967 plots were overplanted and thinned to 17,424 and 23,232 plants per acre for the normal and high population, respectively. In 1968, approximately 20,000 and 26,700 kernels were planted per acre to constitute the normal and high populations. The plots were not thinned in 1968. The percent stand indicated in each annual table, when multiplied by the number of kernels planted per acre, will give the actual plant population for that hybrid. A percent stand less than 100 would indicate some loss of plants owing to incomplete germination, seedling diseases or other factors. A stand reduction of 15% is not uncommon for most hybrids.

Although the data collected in different years are not entirely comparable the results have been pooled since averages over years are generally more reliable than a single year's data. In future bulletins this problem will be eliminated.

It is not the purpose of this bulletin to recommend particular varieties, but rather to provide unbiased test results of hybrids grown under common conditions. When using these test results to rate hybrids, the reader should consider in addition to relative yielding ability, the hybrid's ability to produce good stands, to withstand lodging, to resist disease and its maturity. Data for these factors are also listed in the tables. However, the reader should remember that these factors have already entered into the yield column since each factor makes either a positive or negative contribution to final grain yield.

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 employed in this test do not allow comparisons such as a hybrid grown at one location and population with another hybrid grown at a different location and population.

Table 1. Hybrids Tested in 1968

| Hybrid           | Color  | Cross** | Source of Hybrid       |
|------------------|--------|---------|------------------------|
| Crib Filler 66   | Yellow | 2X      | Mitchell Farms         |
| 105              | "      | 2X      | Windfall, Ind.         |
| 123              | "      | 4X      |                        |
| 183W             | White  | 4X      |                        |
| Dekalb XL342     | Yellow | 3X      | Dekalb Agricultural    |
| XL346            | "      | 3X      | Association            |
| XL390W           | White  | 3X      | De Kalb, Ill.          |
| 999W             | "      | 4X      |                        |
| XL45             | Yellow | 2X      |                        |
| XL66             | "      | 2X      |                        |
| XL85             | "      | 2X      |                        |
| Funk's G-4384    | Yellow | 2X      | Funk Bros. Seed Co.    |
| G-4595*          | "      | 3X      | 1300 W. Washington St. |
| G-4697           | "      | 3X      | Bloomington, Ill.      |
| G-4761 *         | "      | 3X      |                        |
| G-4831           | White  | 2X      |                        |
| G-5757           | Yellow | 4X      |                        |
| G-5830W          | White  | 4X      |                        |
| K.A.E.S. Ky 105  | Yellow | 4X      | Univ. of Kentucky      |
| Ky 5921W         | White  | 4X      | Agri. Exp. Sta.        |
| Ky 6514          | Yellow | 4X      | Lexington, Ky.         |
| Meacham's MX-10Y | Yellow | 2X      | Meacham's Hybrids      |
| MX-50W           | White  | 2X      | Route 3                |
| MX-75W           | "      | 2X      | Morganfield, Ky.       |
| P.A.G. SX17      | Yellow | 2X      | Pfister Assoc. Growers |
| SX29             | "      | 2X      | Inc. Aurora, Ill.      |
| SX31             | "      | 2X      |                        |
| SX48             | "      | 2X      |                        |
| SX52             | "      | 2X      |                        |
| SX80W            | White  | 2X      |                        |
| SX99             | Yellow | 2X      |                        |

(continued)



Table 1 (continued)

| Hybrid                | Color  | Cross**  | Source of Hybrid   |
|-----------------------|--------|----------|--|
| Pioneer 511A          | White  | 4X       | Pioneer Corn Co.<br>Inc. Union City,<br>Tenn.                                |
| 3196                  | Yellow | 2X       |  |
| 3306                  | "      | 2X       |  |
| 3308                  | "      | 3X       |  |
| 3369A                 | "      | 2X       |  |
| 3542                  | "      | 3X       |  |
| 3564                  | "      | 2X (Mod) |  |
| Princeton 920-A       | White  | 4X       | Princeton Farms<br>Princeton, Ind.   |
| 990-B*                | White  | 4X       |  |
| SX-803                | Yellow | 2X       |  |
| SX-804                | Yellow | 2X       |  |
| Schenk S-96W          | White  | 4X       | Charles H. Schenk<br>& Son, Route 4<br>Vincennes, Ind.                       |
| SS 75A                | Yellow | 3X       |  |
| SS-77A                | Yellow | 3X       |  |
| Southern State 720    | Yellow | MX       | Southern States<br>Coop, Inc. Div. of<br>Seed & Farm Supply<br>Richmond, Va. |
| 820-S                 | "      | 2X       |  |
| 860                   | "      | 4X       |  |
| 866                   | "      | 4X       |  |
| 935W                  | White  | 4X       |  |
| Stew. Card. S-845     | Yellow | SX       | Stewart Hybrids,<br>Inc. Route 1<br>Princeville, Ind.                        |
| SX39                  | "      | 2X       |  |
| SX47                  | "      | 2X       |  |
| Stull's 500W          | White  | 4X       | Stull Bros. Inc.<br>Sebree, Ky.  |
| 707                   | Yellow | 2X       |  |
| 720*                  | "      | 2X       |  |
| 727*                  | "      | 2X       |  |
| 800W                  | White  | 2X       |  |
| 807A                  | Yellow | 2X       |  |
| Taylor-Evans E-20-Y-A | "      | 4X       | Golden Acre Hybrids<br>Taylor Evans Seed Co.<br>Tulia, Texas                 |
| M-20-W                | White  | 4X       |  |
| VR-20-Y               | Yellow | 4X       |  |
| Bonusmaker-S          | "      | 2X       |  |

(continued)

Table 1 (continued)

| Hybrid             | Color | Cross** | Source of Hybrid                     |
|--------------------|-------|---------|--------------------------------------|
| W.O.King & Son K60 | White | 4X      | W.O. King & Son<br>Hopkinsville, Ky. |

\* Hybrids available for the first time in 1969, may be available in limited quantities only.

\*\* 2X = Single Cross, 3X = Three-way Cross, 4X = Double Cross.

MX or SX = Multiple or Special Cross.

Table 2. Pedigrees of Experiment Station Hybrids Tested in 1968

| Hybrid   | Color  | Cross | Pedigree                          |
|----------|--------|-------|-----------------------------------|
| Ky 105   | Yellow | 4X    | (T8 x CI21E)<br>(38-11 x Oh 7B)   |
| Ky 5921W | White  | 4X    | (CI64 x 33-16)<br>(Ky 201 x CI66) |
| Ky 6514  | Yellow | 4X    | (H49 x B37)<br>(CI21E x CI03)     |



Table 3. Agronomic Information Pertaining to 1968 Test Locations

| Location and Cooperator                          | Soil Type                             | Fertilizer Applied                        | Herbicide Treatment   | Planting Date         | Harvest Date            | Comments                 |
|--|---------------------------------------|---|-----------------------|-----------------------|-------------------------|--------------------------|
| (1) Lowes, Ky.<br>James Samples                  | Collins<br>Silt Loam                  | N-194 lbs/A<br>P- 53 lbs/A<br>K- 62 lbs/A | Atrazine<br>Banded    | May 4                 | Oct 4                   |                          |
| (2) Princeton, Ky.<br>Western Ky.<br>Substation  | Huntington &<br>Lindside<br>Silt Loam | N-133 lbs/A<br>P- None<br>K-149 lbs/A     | Atrazine<br>Broadcast | May 2<br>and<br>May 3 | Oct 2<br>and<br>Oct 8   |                          |
| (3) Henderson, Ky.<br>James<br>McConathy         | Wakeland<br>Silt Loam                 | N-150 lbs/A<br>P- 44 lbs/A<br>K- 49 lbs/A | Atrazine<br>Broadcast | May 7                 | Oct 11                  | Severe<br>Leaf<br>Blight |
| (4) Hartford, Ky.<br>Walter and Earl<br>Campbell | Stendal<br>Silt Loam                  | N-180 lbs/A<br>P- None<br>K- None         | Atrazine<br>Broadcast | June 8                | Oct 28<br>and<br>Oct 29 |                          |
| (5) Franklin, Ky.<br>Robert Wade                 | Pembroke<br>Silt Loam                 | N-178 lbs/A<br>P- 96 lbs/A<br>K- 17 lbs/A | Atrazine<br>Broadcast | May 1                 | Oct 1                   |                          |
| (6) Lexington, Ky.<br>Ky. A.E.S                  | Maury<br>Silt Loam                    | N-150 lbs/A<br>P- None<br>K- 49 lbs/A     | Atrazine<br>Broadcast | May 17                | Oct 21<br>and<br>Oct 22 |                          |
| (7) Frankfort, Ky.<br>Mason and<br>Ralph Bates   | Armour<br>Silt Loam                   | N-133 lbs/A<br>P- None<br>K- 49 lbs/A     | None                  | May 16                | ---                     | Heavy<br>M.D.M.<br>Virus |
| (8) Quicksand, Ky.<br>Robinson<br>Substation     | Philo<br>Silt Loam                    | N-153 lbs/A<br>P- 44 lbs/A<br>K- 83 lbs/A | Atrazine<br>Broadcast | May 21                | Oct 24<br>and<br>Oct 25 | Mild<br>M.D.M.<br>Virus  |

Table 4. Annual Summary, Normal Population  
Lowes, Ky.

| Hybrid             | Yield<br>Bu/A | % Moist<br>at Harv | % Lodging |       | %<br>Stand |
|--------------------|---------------|--------------------|-----------|-------|------------|
|                    |               |                    | Root      | Stalk |            |
| <u>Yellow</u>      |               |                    |           |       |            |
| P.A.G. SX48        | 50.1          | 14.7               | 20.7      | 11.8  | 87.5       |
| Stewart Card S-845 | 86.2          | 15.0               | 3.6       | 11.7  | 88.5       |
| Funk's G-4384      | 120.7         | 15.1               | 4.5       | 8.2   | 86.5       |
| Pioneer 3542       | 122.2         | 15.1               | 0.0       | 4.9   | 85.4       |
| Dekalb XL45        | 130.9         | 15.3               | 0.0       | 2.2   | 93.7       |
| P.A.G. SX52        | 119.3         | 15.3               | 5.8       | 1.1   | 93.7       |
| P.A.G. SX31        | 134.7         | 15.4               | 1.4       | 2.3   | 84.4       |
| Dekalb XL346       | 77.7          | 15.5               | 0.0       | 1.4   | 62.5       |
| T-E Bonusmaker-S   | 113.9         | 15.6               | 2.7       | 2.6   | 83.3       |
| Stewart Card.SX39  | 101.0         | 15.8               | 0.0       | 1.1   | 91.7       |
| Dekalb XL66        | 127.8         | 16.0               | 0.0       | 0.0   | 88.5       |
| S.S.720            | 150.4         | 16.2               | 1.0       | 3.2   | 97.9       |
| P.A.G. SX17        | 154.9         | 16.3               | 0.0       | 3.5   | 93.7       |
| Pioneer 3564       | 113.3         | 16.3               | 0.0       | 1.2   | 80.2       |
| Stull's 707        | 129.9         | 16.3               | 0.0       | 1.2   | 86.5       |
| Dekalb XL342       | 115.5         | 16.3               | 0.0       | 1.2   | 89.6       |
| Schenk SS-77A      | 113.9         | 16.5               | 3.8       | 4.5   | 84.4       |
| Stewart Card.SX47  | 143.7         | 16.5               | 2.1       | 3.3   | 97.9       |
| P.A.G. SX29        | 146.1         | 16.9               | 0.0       | 1.1   | 93.7       |
| Funk's G-4595      | 101.7         | 16.9               | 0.0       | 3.2   | 75.0       |
| S.S. 820S          | 135.5         | 17.1               | 40.4      | 0.0   | 85.4       |
| Stull's 727        | 127.6         | 17.1               | 1.1       | 3.6   | 81.3       |
| Princeton SX-803   | 151.8         | 17.3               | 0.0       | 1.1   | 93.7       |
| Meacham's MX-10Y   | 135.2         | 17.5               | 0.0       | 1.0   | 92.7       |
| Schenk SS-75A      | 98.8          | 17.5               | 0.0       | 9.5   | 72.9       |
| T-E VR-20-Y        | 125.6         | 17.6               | 2.1       | 3.2   | 94.8       |
| T-E E-20-Y-A       | 132.6         | 17.7               | 5.0       | 1.2   | 79.2       |
| Pioneer 3369A      | 151.1         | 17.8               | 0.0       | 1.3   | 79.2       |
| Princeton SX-804   | 141.7         | 17.9               | 0.0       | 0.0   | 84.4       |
| Funk's G-4697      | 133.2         | 18.1               | 1.2       | 2.2   | 87.5       |
| S.S. 860           | 135.4         | 18.3               | 18.5      | 2.8   | 82.3       |
| Stull's 807A       | 147.0         | 18.4               | 0.0       | 0.0   | 91.7       |
| Dekalb XL85        | 138.7         | 18.5               | 0.0       | 0.0   | 80.2       |
| Crib Filler 123    | 134.7         | 18.5               | 10.6      | 5.9   | 88.5       |
| Crib Filler 105    | 157.2         | 18.5               | 0.0       | 4.3   | 95.8       |

(continued)



Table 4 (continued)

| Hybrid             | Yield<br>Bu/A | % Moist<br>at Harv | % Lodging |       | %<br>Stand |
|--------------------|---------------|--------------------|-----------|-------|------------|
|                    |               |                    | Root      | Stalk |            |
| Ky 105             | 95.9          | 18.6               | 2.7       | 1.3   | 64.6       |
| Pioneer 3308       | 137.7         | 18.6               | 0.0       | 1.4   | 81.2       |
| Crib Filler 66     | 176.0         | 18.7               | 10.6      | 2.1   | 97.9       |
| Pioneer 3196       | 161.3         | 18.8               | 0.0       | 3.3   | 91.7       |
| Stull's 720        | 145.9         | 18.9               | 0.0       | 3.7   | 99.0       |
| Pioneer 3306       | 129.2         | 19.0               | 0.0       | 3.8   | 87.5       |
| S.S.866            | 136.7         | 19.0               | 0.0       | 1.2   | 84.4       |
| Funk's G-5757      | 110.1         | 19.0               | 2.0       | 4.2   | 81.2       |
| Ky 6514            | 133.9         | 19.8               | 9.9       | 1.1   | 94.8       |
| P.A.G. SX99        | 146.7         | 20.2               | 8.9       | 2.3   | 92.7       |
| Funk's G-4761      | 125.1         | 20.9               | 0.0       | 0.0   | 92.7       |
| Yellow Average     | 128.2         | 17.3               | 3.45      | 2.8   | 87.0       |
| <u>White</u>       |               |                    |           |       |            |
| Ky 5921W           | 143.7         | 18.1               | 3.2       | 2.2   | 91.7       |
| W.O.King & Son K60 | 148.6         | 18.5               | 1.1       | 3.6   | 88.5       |
| S.S. 935W          | 146.5         | 18.5               | 1.1       | 2.4   | 90.6       |
| T-E M-20W          | 126.3         | 18.5               | 11.1      | 1.2   | 89.6       |
| Schenk S-96W       | 141.9         | 18.6               | 0.0       | 0.0   | 86.5       |
| Crib Filler 183W   | 142.3         | 18.7               | 5.6       | 1.2   | 92.7       |
| Stull's 500W       | 131.0         | 18.7               | 7.1       | 4.6   | 90.6       |
| Dekalb XL 390W     | 142.6         | 19.1               | 6.4       | 0.0   | 81.2       |
| Princeton 920-A    | 126.3         | 19.2               | 0.0       | 3.5   | 89.6       |
| Dekalb 999W        | 142.9         | 19.3               | 2.5       | 2.6   | 83.3       |
| Princeton 990-B    | 138.8         | 19.9               | 2.2       | 8.3   | 88.5       |
| Meacham's MX-75W   | 134.1         | 20.1               | 4.0       | 1.0   | 94.8       |
| Meacham's MX-50W   | 130.9         | 20.2               | 7.3       | 3.3   | 95.8       |
| Stull's 800W       | 130.8         | 20.8               | 2.9       | 0.0   | 97.9       |
| Funk's G-5830W     | 145.0         | 21.0               | 0.0       | 6.0   | 86.5       |
| P.A.G. SX80W       | 166.8         | 21.4               | 0.0       | 1.2   | 86.5       |
| Funk's G-4831      | 121.9         | 22.0               | 0.0       | 6.8   | 62.5       |
| Pioneer 511A       | 164.3         | 22.1               | 2.2       | 2.3   | 90.6       |
| White Average      | 140.3         | 19.7               | 3.2       | 2.8   | 88.2       |
| GRAND AVERAGE      | 131.6         | 18.0               | 3.4       | 2.8   | 87.3       |

Table 5. Annual Summary, Normal Populations, Princeton, Ky.

| Hybrid           | Yield |         | % Moist |      | % Lodged |   | Stand |
|------------------|-------|---------|---------|------|----------|---|-------|
|                  | Bu/A  | At Harv | At Harv | Root | Stalk    | % |       |
| <u>Yellow</u>    |       |         |         |      |          |   |       |
| P.A.G. SX48      | 76.6  | 15.2    | 0.0     | 17.4 | 89.6     |   |       |
| Stew.Card. S-845 | 78.4  | 16.0    | 0.0     | 8.0  | 91.7     |   |       |
| P.A.G. SX31      | 94.4  | 16.3    | 0.0     | 16.7 | 78.1     |   |       |
| P.A.G. SX17      | 109.9 | 16.8    | 0.0     | 14.4 | 80.2     |   |       |
| Pioneer 3542     | 99.6  | 16.9    | 0.0     | 2.4  | 86.5     |   |       |
| Pioneer 3564     | 88.8  | 16.9    | 0.0     | 7.8  | 87.5     |   |       |
| Dekalb XL342     | 91.8  | 17.0    | 0.0     | 11.1 | 92.7     |   |       |
| Stull's 727      | 92.3  | 17.2    | 0.0     | 15.9 | 71.9     |   |       |
| P.A.G. SX52      | 101.7 | 17.2    | 0.0     | 9.5  | 89.6     |   |       |
| P.A.G. SX29      | 105.7 | 17.3    | 0.0     | 6.4  | 79.2     |   |       |
| Funk's G-4384    | 109.7 | 17.4    | 0.0     | 12.0 | 87.5     |   |       |
| Stew.Card. SX39  | 77.9  | 17.4    | 0.0     | 16.0 | 91.7     |   |       |
| T-E VR-20-Y      | 107.1 | 17.5    | 0.0     | 2.4  | 88.5     |   |       |
| Ky 105           | 89.9  | 17.7    | 0.0     | 17.8 | 79.2     |   |       |
| S.S. 720         | 116.3 | 17.7    | 0.0     | 13.0 | 97.9     |   |       |
| T-E Bonusmaker-S | 97.9  | 17.7    | 0.0     | 2.3  | 82.3     |   |       |
| Dekalb XL45      | 106.5 | 17.7    | 0.0     | 8.0  | 93.7     |   |       |
| S.S. 820S        | 113.8 | 17.8    | 0.0     | 9.0  | 93.7     |   |       |
| Princeton SX-803 | 97.7  | 18.1    | 0.0     | 2.4  | 89.6     |   |       |
| Schenk SS-77A    | 86.9  | 18.3    | 0.0     | 6.9  | 88.5     |   |       |
| Stew.Card. SX47  | 109.2 | 18.4    | 0.0     | 10.0 | 92.7     |   |       |
| Pioneer 3369A    | 114.4 | 18.5    | 0.0     | 8.9  | 89.6     |   |       |
| Pioneer 3308     | 106.5 | 18.5    | 0.0     | 6.9  | 79.2     |   |       |
| Crib Filler 123  | 90.3  | 18.6    | 0.0     | 13.6 | 77.1     |   |       |
| Dekalb XL346     | 64.5  | 18.7    | 0.0     | 7.0  | 76.0     |   |       |
| Schenk SS-75A    | 81.9  | 18.7    | 0.0     | 10.3 | 90.6     |   |       |
| Pioneer 3306     | 113.2 | 18.9    | 0.0     | 8.4  | 83.3     |   |       |
| Funk's G-4595    | 101.7 | 18.9    | 0.0     | 10.1 | 89.6     |   |       |
| S.S. 860         | 104.5 | 19.0    | 0.0     | 7.3  | 87.5     |   |       |
| Stull's 807A     | 102.0 | 19.1    | 0.0     | 10.0 | 93.7     |   |       |
| Dekalb XL66      | 100.4 | 19.1    | 0.0     | 11.3 | 92.7     |   |       |
| Stull's 707      | 113.9 | 19.4    | 0.0     | 8.1  | 89.6     |   |       |

Table 6. Two-Year Summary, Normal Population, Princeton, Ky. 1967-68

| Hybrid           | Yield |         | % Moist |      | % Lodged |   | Stand |
|------------------|-------|---------|---------|------|----------|---|-------|
|                  | Bu/A  | At Harv | At Harv | Root | Stalk    | % |       |
| <u>Yellow</u>    |       |         |         |      |          |   |       |
| T-E Bonusmaker-S | 99.6  | 19.5    | 0.0     | 2.3  | 92.4     |   |       |
| Stew.Card. SX47  | 105.9 | 20.1    | 0.4     | 5.8  | 99.5     |   |       |
| Schenk SS-77A    | 100.3 | 20.4    | 0.0     | 5.6  | 92.5     |   |       |
| S.S. 820S        | 112.3 | 20.4    | 1.4     | 6.6  | 94.9     |   |       |
| Pioneer 3306     | 105.8 | 20.9    | 0.0     | 8.8  | 92.5     |   |       |
| S.S. 860         | 104.0 | 21.1    | 0.0     | 3.9  | 94.6     |   |       |
| Princeton SX-803 | 99.4  | 21.1    | 0.0     | 4.3  | 93.6     |   |       |
| Crib Filler 105  | 130.8 | 21.1    | 0.8     | 4.7  | 100.0    |   |       |
| Pioneer 3196     | 119.3 | 21.1    | 0.5     | 6.9  | 95.3     |   |       |
| Crib Filler 123  | 96.8  | 21.1    | 0.8     | 10.9 | 77.5     |   |       |
| Stull's 807A     | 108.5 | 21.2    | 0.9     | 5.1  | 94.1     |   |       |
| T-E E-20-Y-A     | 99.5  | 21.2    | 0.0     | 6.8  | 88.2     |   |       |
| T-E VR-20-Y      | 106.6 | 21.5    | 0.9     | 2.3  | 91.9     |   |       |
| Ky 105           | 90.2  | 21.5    | 0.0     | 12.5 | 84.3     |   |       |
| Princeton SX-804 | 102.6 | 21.7    | 0.0     | 8.7  | 90.2     |   |       |
| S.S. 866         | 107.4 | 21.9    | 0.0     | 5.6  | 86.6     |   |       |
| Crib Filler 66   | 114.9 | 22.1    | 0.0     | 5.6  | 92.4     |   |       |
| Yellow Average   | 106.1 | 21.0    | 0.3     | 6.2  | 91.8     |   |       |
| <u>White</u>     |       |         |         |      |          |   |       |
| Crib Filler 183W | 119.1 | 22.0    | 0.0     | 8.5  | 99.2     |   |       |
| Schenk S-96W     | 116.4 | 22.0    | 0.4     | 6.0  | 93.7     |   |       |
| S.S. 935W        | 113.3 | 22.3    | 0.4     | 6.0  | 98.3     |   |       |
| T-E M-20W        | 118.9 | 22.5    | 1.4     | 6.0  | 92.4     |   |       |
| Princeton 920-A  | 102.0 | 22.9    | 0.0     | 4.0  | 90.7     |   |       |
| Ky 5921W         | 105.2 | 23.3    | 0.0     | 6.8  | 90.8     |   |       |
| Meacham's MX-75W | 99.1  | 23.5    | 0.4     | 8.0  | 100.4    |   |       |
| Stull's 800W     | 95.2  | 24.5    | 0.0     | 7.2  | 65.3     |   |       |
| White Average    | 108.6 | 22.9    | 0.3     | 6.6  | 91.4     |   |       |
| GRAND AVERAGE    | 106.9 | 21.6    | 0.3     | 6.4  | 91.6     |   |       |



Table 7. Three-Year Summary, Normal Population, Princeton, Ky. 1966-67-68

| Hybrid               | Yield |         | % Moist |       | % Lodged |       | % Stand |
|----------------------|-------|---------|---------|-------|----------|-------|---------|
|                      | Bu/A  | At Harv | Root    | Stalk | Root     | Stalk |         |
| <b>Yellow</b>        |       |         |         |       |          |       |         |
| S.S. 8205            | 89.0  | 21.4    | 0.7     | 7.3   | 0.0      | 0.0   | 90.5    |
| Princeton SX-803     | 88.7  | 22.8    | 0.0     | 2.9   | 0.0      | 0.0   | 92.6    |
| S.S. 860             | 86.3  | 23.0    | 0.0     | 10.5  | 0.0      | 0.0   | 93.8    |
| T-E E-20-Y A         | 85.8  | 23.3    | 0.0     | 7.5   | 0.0      | 0.0   | 85.7    |
| Princeton SX-804     | 87.3  | 23.6    | 0.0     | 6.6   | 0.0      | 0.0   | 91.8    |
| S.S. 866             | 98.6  | 24.2    | 0.0     | 4.8   | 0.0      | 0.0   | 85.9    |
| Crib Filler 66       | 93.1  | 24.4    | 0.0     | 5.2   | 0.0      | 0.0   | 88.9    |
| Ky 105               | 84.2  | 24.6    | 0.0     | 8.8   | 0.0      | 0.0   | 89.7    |
| Yellow Average       | 89.1  | 23.4    | 0.1     | 6.7   | 0.0      | 0.0   | 89.9    |
| <b>White</b>         |       |         |         |       |          |       |         |
| T-E M-20W            | 96.0  | 24.0    | 0.7     | 8.7   | 0.0      | 0.0   | 85.7    |
| Crib Filler 183W     | 100.5 | 24.2    | 0.0     | 11.3  | 0.0      | 0.0   | 88.8    |
| Princeton 920-A      | 89.3  | 24.2    | 0.0     | 11.1  | 0.0      | 0.0   | 87.0    |
| Schenk S-96W         | 96.3  | 24.4    | 0.2     | 6.1   | 0.0      | 0.0   | 85.7    |
| Ky 5921W             | 93.5  | 24.7    | 0.0     | 8.7   | 0.0      | 0.0   | 90.8    |
| Stull's 800W         | 92.7  | 27.3    | 0.0     | 5.5   | 0.0      | 0.0   | 77.6    |
| White Average        | 94.7  | 24.8    | 0.2     | 8.6   | 0.0      | 0.0   | 85.9    |
| <b>GRAND AVERAGE</b> |       |         |         |       |          |       |         |
|                      | 91.5  | 24.0    | 0.1     | 7.5   | 0.0      | 0.0   | 88.2    |

|                      |       |      |      |      |     |     |       |
|----------------------|-------|------|------|------|-----|-----|-------|
| T-E E-20-Y-A         | 96.4  | 19.4 | 0.0  | 9.7  | 0.0 | 0.0 | 86.5  |
| Funk's G-4697        | 89.2  | 19.6 | 0.0  | 3.8  | 0.0 | 0.0 | 82.3  |
| S.S. 866             | 115.4 | 19.6 | 0.0  | 5.1  | 0.0 | 0.0 | 80.2  |
| Princeton SX-804     | 92.1  | 19.9 | 0.0  | 10.1 | 0.0 | 0.0 | 91.7  |
| Crib Filler 66       | 122.1 | 19.9 | 0.0  | 5.9  | 0.0 | 0.0 | 99.0  |
| Pioneer 3196         | 108.6 | 19.9 | 1.2  | 12.3 | 0.0 | 0.0 | 92.7  |
| Ky 6514              | 100.7 | 20.0 | 0.0  | 6.7  | 0.0 | 0.0 | 97.9  |
| Crib Filler 105      | 123.2 | 20.0 | 0.0  | 6.3  | 0.0 | 0.0 | 99.0  |
| Meacham's MX-10Y     | 99.5  | 20.1 | 0.0  | 9.8  | 0.0 | 0.0 | 88.5  |
| Stull's 720          | 119.3 | 20.1 | 0.0  | 12.0 | 0.0 | 0.0 | 96.9  |
| Funk's G-4761        | 76.7  | 20.3 | 0.0  | 7.4  | 0.0 | 0.0 | 87.5  |
| Funk's G-5757        | 94.0  | 20.5 | 0.0  | 8.0  | 0.0 | 0.0 | 79.2  |
| Dekalb XL85          | 112.2 | 20.9 | 0.0  | 16.8 | 0.0 | 0.0 | 86.5  |
| P.A.G. SX99          | 100.7 | 21.1 | 0.0  | 14.8 | 0.0 | 0.0 | 94.8  |
| Yellow Average       | 99.9  | 18.5 | 0.03 | 9.6  | 0.0 | 0.0 | 87.9  |
| <b>White</b>         |       |      |      |      |     |     |       |
| King & Son K60       | 95.2  | 18.4 | 0.0  | 8.1  | 0.0 | 0.0 | 89.6  |
| Stull's 500WC        | 105.9 | 18.5 | 0.0  | 19.8 | 0.0 | 0.0 | 90.6  |
| Schenk S-96W         | 110.7 | 18.6 | 0.0  | 11.1 | 0.0 | 0.0 | 85.4  |
| Dekalb 999W          | 105.2 | 18.7 | 0.0  | 11.7 | 0.0 | 0.0 | 88.5  |
| T-E M-20W            | 112.5 | 18.9 | 1.1  | 9.0  | 0.0 | 0.0 | 89.6  |
| S.S. 935W            | 105.8 | 19.1 | 0.0  | 9.2  | 0.0 | 0.0 | 100.0 |
| Crib Filler 183W     | 118.6 | 19.4 | 0.0  | 9.9  | 0.0 | 0.0 | 95.8  |
| Princeton 990-B      | 92.7  | 19.7 | 0.0  | 12.0 | 0.0 | 0.0 | 77.1  |
| Ky 5921W             | 110.9 | 19.7 | 0.0  | 11.8 | 0.0 | 0.0 | 90.6  |
| Princeton 920-A      | 98.7  | 19.8 | 0.0  | 3.5  | 0.0 | 0.0 | 87.5  |
| P.A.G. SX80          | 110.2 | 19.9 | 0.0  | 6.7  | 0.0 | 0.0 | 93.8  |
| Funk's G-5830W       | 91.2  | 20.3 | 0.0  | 14.5 | 0.0 | 0.0 | 79.2  |
| Meacham's MX-50W     | 88.4  | 20.6 | 0.0  | 6.6  | 0.0 | 0.0 | 94.8  |
| Pioneer 511A         | 84.6  | 20.8 | 0.0  | 16.0 | 0.0 | 0.0 | 93.7  |
| Funk's G-4831        | 95.5  | 20.9 | 0.0  | 8.2  | 0.0 | 0.0 | 72.9  |
| Dekalb XL390W        | 102.5 | 21.1 | 1.3  | 9.0  | 0.0 | 0.0 | 82.3  |
| Stull's 800W         | 101.1 | 21.3 | 0.0  | 12.0 | 0.0 | 0.0 | 88.5  |
| Meacham's MX-75W     | 84.2  | 21.5 | 0.0  | 15.0 | 0.0 | 0.0 | 100.0 |
| White Average        | 100.8 | 19.8 | 0.13 | 10.8 | 0.0 | 0.0 | 88.9  |
| <b>GRAND AVERAGE</b> |       |      |      |      |     |     |       |
|                      | 100.1 | 18.9 | 0.06 | 9.9  | 0.0 | 0.0 | 88.2  |

Table 8. Annual Summary, Normal Population  
Henderson, Ky.

| Hybrid             | Yield | % Moist | % Lodging |       | Stand |
|--------------------|-------|---------|-----------|-------|-------|
|                    | Bu/A  | at Harv | Root      | Stalk |       |
| <u>Yellow</u>      |       |         |           |       |       |
| Stewart Card.S-845 | 65.8  | 16.2    | 0.0       | 22.8  | 71.9  |
| P.A.G. SX48        | 40.6  | 16.2    | 0.0       | 58.0  | 71.9  |
| P.A.G. SX17        | 80.6  | 16.6    | 0.0       | 0.0   | 52.1  |
| P.A.G. SX31        | 99.4  | 16.7    | 1.4       | 5.2   | 65.6  |
| Stewart Card.SX39  | 76.3  | 16.7    | 0.0       | 9.9   | 82.3  |
| Stull's 727        | 91.9  | 16.8    | 0.0       | 19.9  | 56.2  |
| P.A.G. SX52        | 86.2  | 16.9    | 0.0       | 11.5  | 82.3  |
| Funk's G-4384      | 115.6 | 17.2    | 0.0       | 4.1   | 77.1  |
| Pioneer 3564       | 101.5 | 17.4    | 0.0       | 0.0   | 79.2  |
| P.A.G. SX29        | 109.4 | 17.5    | 0.0       | 9.3   | 81.2  |
| Dekalb XL45        | 79.0  | 17.6    | 0.0       | 11.7  | 79.2  |
| Pioneer 3542       | 97.1  | 17.8    | 0.0       | 2.7   | 74.0  |
| Dekalb XL342       | 84.8  | 17.8    | 0.0       | 8.5   | 64.6  |
| S.S. 720           | 117.0 | 18.0    | 0.0       | 19.6  | 94.8  |
| Dekalb XL346       | 60.9  | 18.0    | 0.0       | 8.7   | 51.0  |
| Ky 105             | 98.1  | 18.4    | 0.0       | 14.3  | 70.8  |
| Stewart Card.SX47  | 114.5 | 18.4    | 1.4       | 1.4   | 61.5  |
| T-E Bonusmaker-S   | 106.6 | 18.5    | 0.0       | 1.5   | 69.8  |
| Princeton SX-803   | 109.9 | 18.7    | 0.0       | 2.9   | 74.0  |
| Dekalb XL66        | 118.8 | 18.7    | 0.0       | 0.0   | 80.2  |
| Schenk SS-77A      | 95.8  | 18.7    | 0.0       | 6.0   | 72.9  |
| S.S. 820S          | 110.2 | 18.8    | 0.0       | 1.2   | 76.0  |
| S.S. 860           | 115.8 | 18.8    | 0.0       | 9.5   | 85.4  |
| Schenk SS-75A      | 105.8 | 18.8    | 0.0       | 9.0   | 79.2  |
| Stull's 707        | 95.0  | 18.9    | 0.0       | 1.2   | 72.9  |
| Funk's G-4595      | 114.8 | 19.3    | 0.0       | 0.0   | 82.3  |
| T-E VR-20-Y        | 110.0 | 19.4    | 0.0       | 1.3   | 70.8  |
| Funk's G-4697      | 84.3  | 19.6    | 0.0       | 3.5   | 56.2  |
| Stull's 807A       | 119.9 | 19.8    | 0.0       | 1.4   | 78.1  |
| Pioneer 3306       | 111.1 | 19.9    | 0.0       | 0.0   | 64.6  |
| Pioneer 3369A      | 128.3 | 20.0    | 0.0       | 0.0   | 84.4  |
| Crib Filler 66     | 109.8 | 20.1    | 0.0       | 3.2   | 72.9  |
| Meacham's MX-10Y   | 109.3 | 20.2    | 0.0       | 3.9   | 82.3  |
| Stull's 720        | 105.7 | 20.2    | 0.0       | 0.0   | 68.8  |
| Pioneer 3308       | 125.6 | 20.3    | 0.0       | 0.0   | 66.7  |

(continued)



Table 8. (continued)

| Hybrid             | Yield<br>Bu/A | % Moist<br>at Harv | % Lodging |       | %<br>Stand |
|--------------------|---------------|--------------------|-----------|-------|------------|
|                    |               |                    | Root      | Stalk |            |
| Ky 6514            | 129.7         | 20.3               | 1.3       | 4.0   | 79.2       |
| Crib Filler 123    | 130.2         | 20.4               | 0.0       | 3.5   | 71.9       |
| Crib Filler 105    | 106.2         | 20.4               | 0.0       | 2.5   | 75.0       |
| Princeton SX-804   | 128.2         | 20.5               | 0.0       | 3.1   | 61.5       |
| S.S. 866           | 103.3         | 20.5               | 1.2       | 3.3   | 71.9       |
| Funk's G-5757      | 104.5         | 20.7               | 0.0       | 3.3   | 80.2       |
| Pioneer 3196       | 145.0         | 20.7               | 0.0       | 0.0   | 79.2       |
| Dekalb XL85        | 120.9         | 20.8               | 0.0       | 1.4   | 68.7       |
| T-E E-20-Y-A       | 112.7         | 21.3               | 0.0       | 2.5   | 77.1       |
| P.A.G. SX99        | 101.1         | 21.9               | 0.0       | 4.0   | 78.1       |
| Funk's G-4761      | 109.8         | 22.0               | 0.0       | 0.0   | 87.5       |
| Yellow Average     | 104.1         | 19.0               | 0.12      | 6.1   | 73.6       |
| <u>White</u>       |               |                    |           |       |            |
| S.S. 935W          | 128.9         | 19.3               | 0.0       | 6.9   | 78.1       |
| Schenk S-96W       | 138.5         | 19.5               | 0.0       | 4.7   | 87.5       |
| Crib Filler 183W   | 115.4         | 19.8               | 0.0       | 5.8   | 70.8       |
| T-E M-20W          | 132.5         | 19.9               | 0.0       | 7.8   | 83.3       |
| Princeton 920-A    | 117.6         | 20.1               | 0.0       | 1.3   | 72.9       |
| Stull's 500WC      | 123.2         | 20.3               | 0.0       | 4.2   | 70.8       |
| W.O.King & Son K60 | 118.0         | 20.4               | 0.0       | 8.0   | 65.6       |
| Ky 5921W           | 111.3         | 20.5               | 0.0       | 3.7   | 65.6       |
| P.A.G. SX80W       | 117.9         | 20.6               | 0.0       | 9.0   | 77.1       |
| Princeton 990-B    | 125.0         | 20.8               | 0.0       | 7.3   | 86.5       |
| Meacham's MX-50W   | 116.3         | 20.9               | 0.0       | 3.6   | 84.4       |
| Meacham's MX-75W   | 111.3         | 21.3               | 0.0       | 0.0   | 92.7       |
| Dekalb 999W        | 107.6         | 21.4               | 0.0       | 5.1   | 71.9       |
| Pioneer 511A       | 120.2         | 21.6               | 0.0       | 4.6   | 67.7       |
| Dekalb XL 390W     | 130.5         | 21.6               | 0.0       | 4.7   | 86.5       |
| Funk's G-5830W     | 98.1          | 21.8               | 0.0       | 9.4   | 69.8       |
| Stull's 800W       | 101.5         | 21.9               | 0.0       | 0.0   | 62.5       |
| Funk's G-4831      | 100.9         | 22.6               | 0.0       | 6.8   | 50.0       |
| White Average      | 117.5         | 20.8               | 0.0       | 5.2   | 74.7       |
| GRAND AVERAGE      | 107.8         | 19.5               | 0.08      | 5.8   | 73.9       |

Table 9. Annual Summary, Normal Population, Hartford, Ky.

| Hybrid           | Yield |      |      | % Moist At Harv | % Root | % Lodged | Stalk | Stand |
|------------------|-------|------|------|-----------------|--------|----------|-------|-------|
|                  | Bu/A  | %    | %    |                 |        |          |       |       |
| Yellow           |       |      |      |                 |        |          |       |       |
| P.A.G. SX48      | 84.2  | 15.4 | 1.3  | 16.3            | 88.5   |          |       |       |
| Stew.Card. S-845 | 80.3  | 17.9 | 0.0  | 10.2            | 92.7   |          |       |       |
| P.A.G. SX31      | 119.6 | 18.4 | 2.4  | 3.5             | 87.5   |          |       |       |
| Stew.Card. SX39  | 85.3  | 18.9 | 1.2  | 10.9            | 87.5   |          |       |       |
| P.A.G. SX17      | 128.7 | 20.1 | 0.0  | 5.5             | 90.6   |          |       |       |
| Funk's G-4384    | 130.2 | 20.1 | 1.1  | 2.2             | 94.8   |          |       |       |
| Pioneer 3564     | 113.8 | 20.2 | 0.0  | 6.6             | 92.7   |          |       |       |
| P.A.G. SX29      | 123.1 | 20.3 | 0.0  | 6.9             | 90.6   |          |       |       |
| Stull's 727      | 115.3 | 20.4 | 0.0  | 2.5             | 82.3   |          |       |       |
| P.A.G. SX52      | 106.2 | 20.6 | 21.2 | 0.0             | 86.5   |          |       |       |
| Pioneer 3542     | 118.7 | 20.8 | 0.0  | 0.0             | 85.4   |          |       |       |
| Schenk SS-77A    | 113.2 | 20.8 | 1.2  | 15.8            | 90.6   |          |       |       |
| S.S. 720         | 117.9 | 20.9 | 0.0  | 10.9            | 96.9   |          |       |       |
| S.S. 820S        | 131.3 | 21.2 | 0.0  | 4.7             | 90.6   |          |       |       |
| Crib Filler 105  | 138.1 | 21.2 | 1.3  | 0.0             | 91.7   |          |       |       |
| Dekalb XL45      | 129.0 | 21.3 | 0.0  | 2.2             | 95.8   |          |       |       |
| Stew.Card. SX47  | 132.4 | 21.3 | 0.0  | 3.5             | 90.6   |          |       |       |
| Crib Filler 66   | 133.7 | 21.3 | 0.0  | 10.3            | 92.7   |          |       |       |
| Princeton SX-803 | 112.5 | 21.4 | 0.0  | 3.5             | 88.5   |          |       |       |
| T-E Bonusmaker-S | 130.3 | 21.5 | 8.0  | 1.2             | 86.5   |          |       |       |
| Stull's 807A     | 119.6 | 21.5 | 0.0  | 5.4             | 90.6   |          |       |       |
| Schenk SS-75A    | 124.0 | 21.6 | 0.0  | 3.5             | 88.5   |          |       |       |
| T-E VR-20-Y      | 125.7 | 21.6 | 2.2  | 3.5             | 91.7   |          |       |       |
| S.S. 860         | 114.3 | 21.8 | 4.3  | 8.3             | 81.2   |          |       |       |
| Dekalb XL66      | 121.9 | 21.8 | 0.0  | 2.2             | 99.0   |          |       |       |
| Dekalb XL346     | 91.9  | 21.9 | 0.0  | 9.3             | 75.0   |          |       |       |
| T-E E-20-Y-A     | 127.5 | 21.9 | 1.1  | 4.8             | 90.6   |          |       |       |
| Pioneer 3369A    | 165.2 | 22.0 | 0.0  | 0.0             | 90.6   |          |       |       |
| Dekalb XL342     | 121.2 | 22.1 | 0.0  | 2.2             | 91.7   |          |       |       |
| Crib Filler 123  | 107.8 | 22.1 | 0.0  | 4.4             | 84.4   |          |       |       |
| Stull's 720      | 148.5 | 22.1 | 1.2  | 2.4             | 87.5   |          |       |       |
| Funk's G-4595    | 129.0 | 22.3 | 0.0  | 2.3             | 94.8   |          |       |       |
| Meacham's MX-10Y | 132.1 | 22.3 | 0.0  | 4.3             | 96.9   |          |       |       |
| S.S. 866         | 131.5 | 22.4 | 0.0  | 2.9             | 76.0   |          |       |       |

Table 10. Two-Year Summary, Normal Population, Hartford, Ky 1967-68

| Hybrid           | Yield |      |     | % Moist At Harv | % Root | % Lodged | Stalk | Stand |
|------------------|-------|------|-----|-----------------|--------|----------|-------|-------|
|                  | Bu/A  | %    | %   |                 |        |          |       |       |
| Yellow           |       |      |     |                 |        |          |       |       |
| T-E Bonusmaker-S | 120.6 | 20.4 | 3.4 | 7.8             | 91.6   |          |       |       |
| T-E VR-20-Y      | 118.6 | 20.7 | 1.0 | 3.8             | 89.3   |          |       |       |
| S.S. 860         | 102.6 | 20.7 | 1.8 | 8.5             | 82.8   |          |       |       |
| Stew.Card. SX47  | 115.6 | 21.2 | 0.0 | 7.2             | 84.5   |          |       |       |
| Princeton SX-803 | 100.7 | 21.5 | 0.0 | 13.0            | 87.2   |          |       |       |
| S.S. 820S        | 119.4 | 21.7 | 0.0 | 4.9             | 90.4   |          |       |       |
| Crib Filler 105  | 117.3 | 21.8 | 0.6 | 4.4             | 86.9   |          |       |       |
| Schenk SS-77A    | 103.2 | 21.8 | 0.5 | 13.6            | 91.2   |          |       |       |
| Crib Filler 66   | 122.0 | 22.2 | 0.0 | 7.7             | 93.7   |          |       |       |
| Ky 105           | 116.5 | 22.4 | 0.5 | 4.0             | 84.6   |          |       |       |
| T-E E-20-Y-A     | 122.2 | 22.5 | 0.5 | 7.9             | 92.8   |          |       |       |
| Pioneer 3306     | 124.1 | 22.6 | 0.0 | 1.8             | 92.8   |          |       |       |
| Stull's 807A     | 125.0 | 22.6 | 0.0 | 7.8             | 90.0   |          |       |       |
| Pioneer 3196     | 136.8 | 22.6 | 0.0 | 2.3             | 91.6   |          |       |       |
| S.S. 866         | 123.7 | 23.0 | 0.0 | 7.5             | 84.2   |          |       |       |
| Princeton SX-804 | 124.6 | 23.6 | 3.3 | 5.2             | 89.8   |          |       |       |
| Crib Filler 123  | 109.5 | 23.6 | 0.0 | 5.2             | 90.1   |          |       |       |
| Yellow Average   | 117.8 | 22.0 | 0.7 | 6.6             | 89.0   |          |       |       |
| White            |       |      |     |                 |        |          |       |       |
| T-E M-20W        | 131.3 | 22.6 | 5.5 | 10.3            | 93.5   |          |       |       |
| Schenk S-96W     | 117.0 | 22.9 | 0.0 | 8.0             | 94.4   |          |       |       |
| S.S. 935W        | 127.2 | 23.1 | 1.5 | 9.6             | 83.6   |          |       |       |
| Ky 5921W         | 124.7 | 23.5 | 3.2 | 5.0             | 91.9   |          |       |       |
| Crib Filler 183W | 115.8 | 24.7 | 1.7 | 6.7             | 88.6   |          |       |       |
| Princeton 920-A  | 119.2 | 24.7 | 0.0 | 6.2             | 89.2   |          |       |       |
| Meacham's MX-75W | 108.1 | 24.8 | 0.5 | 2.8             | 93.4   |          |       |       |
| Stull's 800W     | 118.2 | 26.4 | 5.8 | 3.4             | 81.8   |          |       |       |
| White Average    | 120.2 | 24.1 | 2.3 | 6.5             | 89.6   |          |       |       |
| GRAND AVERAGE    | 118.6 | 22.7 | 1.2 | 6.6             | 89.1   |          |       |       |



Table 11. Three-Year Summary, Normal Population  
Hartford, Ky. 1966-67-68

| Hybrid           | Yield |         | % Moist |       | % Lodged |       | Stand |
|------------------|-------|---------|---------|-------|----------|-------|-------|
|                  | Bu/A  | At Harv | Root    | Stalk | Root     | Stalk |       |
| Ky 105           | 128.9 | 22.5    | 0.0     | 6.5   | 81.2     |       |       |
| Pioneer 3196     | 143.9 | 22.6    | 0.0     | 2.2   | 89.6     |       |       |
| Pioneer 3308     | 135.0 | 22.7    | 0.0     | 4.4   | 92.7     |       |       |
| Funk's G-4697    | 106.1 | 22.7    | 3.7     | 6.5   | 80.2     |       |       |
| Princeton SX-804 | 131.3 | 22.8    | 7.8     | 1.2   | 94.8     |       | 95.2  |
| Pioneer 3306     | 128.6 | 22.9    | 0.0     | 1.3   | 86.5     |       | 89.6  |
| Stull's 707      | 119.7 | 23.0    | 2.5     | 1.1   | 89.6     |       | 94.0  |
| Funk's G-5757    | 122.4 | 23.2    | 1.1     | 1.1   | 90.6     |       | 95.3  |
| Ky 6514          | 132.0 | 23.6    | 2.2     | 3.6   | 90.6     |       | 93.2  |
| Dekalb XL85      | 155.6 | 24.2    | 0.0     | 2.2   | 91.7     |       | 91.4  |
| Funk's G-4761    | 140.8 | 24.7    | 1.1     | 2.2   | 91.7     |       | 94.2  |
| P.A.G. SX99      | 126.3 | 25.3    | 5.5     | 0.0   | 95.8     |       | 92.0  |
| Yellow Average   | 123.4 | 21.6    | 1.5     | 4.4   | 89.5     |       | 93.1  |
| White            |       |         |         |       |          |       |       |
| Crib Filler 183W | 129.1 | 22.1    | 4.0     | 9.4   | 86.5     |       | 94.8  |
| Stull's 500WC    | 140.0 | 22.1    | 18.7    | 7.9   | 96.9     |       | 96.8  |
| Dekalb 999W      | 119.9 | 22.2    | 0.0     | 5.8   | 86.5     |       | 95.9  |
| S.S. 935W        | 134.1 | 22.5    | 3.4     | 3.6   | 88.5     |       | 92.9  |
| Meacham's MX-50W | 113.7 | 22.5    | 10.0    | 11.6  | 87.5     |       | 94.5  |
| Schenk S-96W     | 130.3 | 22.5    | 0.0     | 3.9   | 85.4     |       | 90.2  |
| T-E M-20W        | 140.0 | 22.5    | 12.9    | 8.6   | 96.9     |       |       |
| Ky 5921W         | 124.4 | 22.8    | 7.4     | 3.7   | 87.5     |       |       |
| Princeton 920-A  | 123.7 | 23.4    | 0.0     | 6.2   | 82.3     |       | 94.2  |
| King & Son K60   | 148.6 | 23.4    | 3.6     | 1.2   | 83.3     |       |       |
| Dekalb XL390W    | 139.0 | 23.5    | 9.7     | 3.5   | 85.4     |       |       |
| Princeton 990-B  | 124.2 | 23.7    | 14.5    | 6.4   | 80.2     |       | 93.6  |
| Stull's 800W     | 128.9 | 24.6    | 13.5    | 0.0   | 85.4     |       |       |
| Funk's G-5830W   | 133.2 | 24.7    | 6.2     | 2.2   | 89.6     |       |       |
| Meacham's MX-75W | 115.8 | 24.8    | 1.1     | 2.2   | 94.8     |       |       |
| Pioneer 511A     | 123.8 | 25.5    | 1.2     | 3.7   | 82.3     |       |       |
| P.A.G. SX80      | 129.2 | 25.6    | 0.0     | 4.4   | 78.1     |       |       |
| Funk's G-4831    | 112.9 | 26.5    | 0.0     | 3.6   | 58.3     |       |       |
| White Average    | 128.4 | 23.6    | 5.9     | 4.9   | 85.3     |       |       |
| GRAND AVERAGE    | 124.8 | 22.1    | 2.8     | 4.6   | 88.3     |       |       |

Table 12. Annual Summary, Normal Population  
Franklin, Ky.

| Hybrid              | Yield<br>Bu/A | % Moist<br>at Harv | % Lodging |       | %<br>Stand |
|---------------------|---------------|--------------------|-----------|-------|------------|
|                     |               |                    | Root      | Stalk |            |
| <u>Yellow</u>       |               |                    |           |       |            |
| P.A G. SX48         | 102.6         | 14.1               | 1.1       | 2.2   | 88.5       |
| Funk's G-4384       | 105.1         | 14.6               | 0.0       | 3.8   | 74.0       |
| P.A.G. SX31         | 115.6         | 14.7               | 1.3       | 2.9   | 77.1       |
| Pioneer 3542        | 115.4         | 15.2               | 0.0       | 4.4   | 71.9       |
| Stewart Card. S-845 | 91.1          | 15.2               | 2.5       | 3.6   | 87.5       |
| Dekalb XL342        | 106.7         | 15.4               | 1.1       | 4.9   | 86.5       |
| Stewart Card.SX39   | 93.4          | 15.6               | 1.2       | 3.7   | 87.5       |
| T-E Bonusmaker-S    | 93.2          | 15.7               | 3.5       | 5.1   | 81.2       |
| P.A.G. SX52         | 106.7         | 15.8               | 0.0       | 6.0   | 77.1       |
| Pioneer 3564        | 115.2         | 15.8               | 0.0       | 1.4   | 75.0       |
| Dekalb XL66         | 131.3         | 15.9               | 0.0       | 1.2   | 89.6       |
| Dekalb XL45         | 121.3         | 16.0               | 0.0       | 3.4   | 88.5       |
| P.A.G. SX17         | 129.6         | 16.1               | 0.0       | 12.2  | 85.4       |
| Dekalb XL346        | 79.7          | 16.2               | 1.8       | 6.9   | 68.8       |
| Funk's G-4595       | 105.7         | 16.3               | 2.8       | 1.2   | 79.2       |
| S.S. 720            | 116.9         | 16.6               | 3.7       | 8.4   | 84.4       |
| T-E VR-20-Y         | 102.0         | 16.6               | 0.0       | 4.2   | 76.0       |
| Princeton SX-803    | 133.8         | 16.9               | 0.0       | 2.3   | 82.3       |
| P.A.G. SX29         | 106.9         | 16.9               | 0.0       | 5.0   | 83.3       |
| Stewart Card. SX47  | 142.8         | 17.2               | 0.0       | 1.1   | 90.6       |
| Pioneer 3306        | 103.9         | 17.2               | 0.0       | 2.3   | 88.5       |
| Ky 105              | 89.0          | 17.3               | 0.0       | 10.5  | 69.8       |
| Stull's 707         | 106.5         | 17.3               | 2.2       | 2.2   | 90.6       |
| Stull's 727         | 99.4          | 17.4               | 0.0       | 3.4   | 67.7       |
| Schenk SS-75A       | 126.6         | 17.5               | 0.0       | 6.3   | 84.4       |
| Pioneer 3196        | 118.0         | 17.5               | 0.0       | 10.8  | 86.5       |
| Meacham's MX-10Y    | 139.9         | 17.6               | 2.2       | 5.5   | 95.8       |
| S.S. 860            | 101.9         | 17.6               | 2.9       | 8.0   | 69.8       |
| T-E E-20-Y-A        | 109.6         | 17.8               | 1.4       | 6.8   | 84.4       |
| Schenk SS-77A       | 98.2          | 17.8               | 3.6       | 6.0   | 88.5       |
| Crib Filler 123     | 109.6         | 17.8               | 4.0       | 0.0   | 78.1       |
| Funk's G-4697       | 114.9         | 17.9               | 0.0       | 2.6   | 81.2       |
| S.S. 866            | 116.9         | 18.0               | 2.3       | 8.8   | 83.3       |
| Stull's 807A        | 145.3         | 18.3               | 0.0       | 2.2   | 87.5       |
| S.S. 820S           | 118.5         | 18.4               | 3.4       | 5.8   | 86.5       |

(continued)



Table 12. (continued)

| Hybrid             | Yield<br>Bu/A | % Moist<br>at Harv | % Lodged |       | %<br>Stand |
|--------------------|---------------|--------------------|----------|-------|------------|
|                    |               |                    | Root     | Stalk |            |
| Crib Filler 105    | 125.6         | 18.6               | 0.0      | 3.4   | 85.4       |
| Pioneer 3369A      | 135.2         | 18.6               | 0.0      | 3.0   | 70.8       |
| Funk's G-5757      | 109.9         | 18.8               | 1.3      | 3.6   | 88.5       |
| Stull's 720        | 113.1         | 18.8               | 0.0      | 4.0   | 86.5       |
| Dekalb XL85        | 119.1         | 18.8               | 2.5      | 2.5   | 78.1       |
| Princeton SX-804   | 116.2         | 18.9               | 4.2      | 1.2   | 80.2       |
| Pioneer 3308       | 127.3         | 18.9               | 0.0      | 0.0   | 74.0       |
| Ky 6514            | 126.3         | 19.1               | 2.2      | 12.7  | 90.6       |
| Crib Filler 66     | 122.2         | 19.6               | 0.0      | 4.6   | 88.5       |
| Funk's G-4761      | 117.8         | 19.7               | 2.2      | 3.3   | 94.8       |
| P.A.G. SX99        | 106.7         | 21.0               | 0.0      | 5.2   | 69.8       |
| Yellow Average     | 113.8         | 17.2               | 1.2      | 4.5   | 82.3       |
| <u>White</u>       |               |                    |          |       |            |
| P.A.G. SX80W       | 115.9         | 16.2               | 2.2      | 6.8   | 92.7       |
| Ky 5921W           | 132.4         | 17.5               | 2.8      | 5.6   | 87.5       |
| Stull's 500W       | 125.9         | 17.8               | 0.0      | 7.1   | 88.5       |
| T-E M-20W          | 109.2         | 17.9               | 1.3      | 12.1  | 90.6       |
| Crib Filler 183W   | 114.5         | 18.1               | 4.4      | 8.4   | 77.1       |
| W.O.King & Son K60 | 129.3         | 18.1               | 1.1      | 8.8   | 83.3       |
| S.S. 935W          | 107.4         | 18.2               | 0.0      | 3.3   | 87.5       |
| Dekalb 999W        | 106.3         | 18.2               | 1.3      | 2.8   | 67.7       |
| Princeton 990-B    | 102.2         | 18.2               | 5.4      | 14.0  | 77.1       |
| Princeton 920-A    | 114.8         | 18.5               | 2.6      | 5.9   | 75.0       |
| Schenk S-96W       | 99.5          | 18.7               | 0.0      | 11.2  | 75.0       |
| Pioneer 511A       | 104.6         | 19.0               | 5.4      | 5.8   | 77.1       |
| Meacham's MX-75W   | 107.3         | 19.0               | 0.0      | 4.6   | 90.6       |
| Funk's G-4831      | 89.3          | 19.1               | 2.7      | 8.9   | 67.7       |
| Stull's 800W       | 91.1          | 19.2               | 3.6      | 6.2   | 83.3       |
| Funk's G-5830W     | 105.8         | 19.3               | 1.2      | 3.8   | 83.3       |
| Dekalb XL390W      | 121.4         | 19.9               | 3.6      | 9.9   | 83.3       |
| Meacham's MX-50W   | 108.6         | 20.4               | 4.2      | 4.2   | 78.1       |
| White Average      | 110.3         | 18.5               | 2.3      | 7.2   | 81.4       |
| GRAND AVERAGE      | 112.8         | 17.6               | 1.5      | 5.3   | 82.0       |

Table 13. Annual Summary, Normal Population, Lexington, Ky.

| Hybrid           | Yield |         | % Moist |       | % Lodged |  | % Stand |
|------------------|-------|---------|---------|-------|----------|--|---------|
|                  | Bu/A  | At Harv | Root    | Stalk |          |  |         |
| <u>Yellow</u>    |       |         |         |       |          |  |         |
| P.A.G. SX48      | 59.1  | 16.6    | 39.2    | 17.0  | 94.8     |  |         |
| Stew.Card. S-845 | 73.9  | 18.1    | 35.1    | 8.7   | 96.9     |  |         |
| P.A.G. SX31      | 93.7  | 18.4    | 12.7    | 8.4   | 86.5     |  |         |
| Dekalb XL342     | 97.2  | 18.8    | 18.5    | 7.8   | 94.8     |  |         |
| P.A.G. SX52      | 92.6  | 19.1    | 24.4    | 5.6   | 93.8     |  |         |
| Funk's G-4384    | 100.4 | 19.1    | 12.4    | 14.2  | 91.7     |  |         |
| Stew.Card. SX39  | 80.6  | 19.3    | 14.9    | 19.9  | 95.8     |  |         |
| S.S. 720         | 91.1  | 19.6    | 68.3    | 6.6   | 95.8     |  |         |
| Pioneer 3564     | 97.1  | 19.6    | 12.2    | 10.4  | 88.5     |  |         |
| Stew.Card. SX47  | 100.8 | 19.8    | 17.7    | 12.5  | 100.0    |  |         |
| Dekalb XL45      | 90.6  | 19.9    | 50.8    | 8.8   | 94.8     |  |         |
| Pioneer 3542     | 102.6 | 19.9    | 12.3    | 11.7  | 90.6     |  |         |
| T-E Bonusmaker-S | 87.1  | 20.0    | 68.7    | 6.8   | 92.7     |  |         |
| S.S. 820S        | 78.0  | 20.0    | 52.4    | 5.6   | 94.8     |  |         |
| Dekalb XL346     | 85.1  | 20.1    | 29.7    | 2.7   | 77.1     |  |         |
| P.A.G. SX29      | 92.9  | 20.2    | 8.7     | 14.1  | 80.2     |  |         |
| Funk's G-4595    | 100.5 | 20.2    | 42.1    | 5.9   | 92.7     |  |         |
| Stull's 707      | 106.9 | 20.3    | 28.3    | 7.9   | 92.7     |  |         |
| Stull's 727      | 97.6  | 20.5    | 1.7     | 22.4  | 64.6     |  |         |
| Pioneer 3306     | 118.7 | 20.5    | 12.8    | 6.5   | 93.7     |  |         |
| Stull's 807A     | 99.8  | 20.7    | 22.0    | 6.9   | 92.7     |  |         |
| Pioneer 3369A    | 119.6 | 20.8    | 12.7    | 9.8   | 83.3     |  |         |
| Dekalb XL66      | 108.6 | 20.8    | 14.6    | 6.2   | 100.0    |  |         |
| Schenk SS-75A    | 104.8 | 20.8    | 12.8    | 22.9  | 94.8     |  |         |
| Pioneer 3196     | 111.3 | 20.9    | 1.2     | 10.8  | 93.7     |  |         |
| T-E VR-20-Y      | 100.1 | 20.9    | 16.2    | 8.6   | 94.8     |  |         |
| Pioneer 3308     | 102.3 | 21.3    | 21.2    | 7.2   | 88.5     |  |         |
| Crib Filler 105  | 114.8 | 21.4    | 7.7     | 10.0  | 93.7     |  |         |
| Funk's G-4697    | 115.7 | 21.4    | 17.9    | 3.6   | 87.5     |  |         |
| Schenk SS-77A    | 103.3 | 21.4    | 25.1    | 9.4   | 99.0     |  |         |
| S.S. 860         | 100.8 | 21.4    | 41.1    | 10.1  | 82.3     |  |         |
| Meacham's MX-10Y | 107.5 | 21.4    | 34.1    | 5.4   | 97.9     |  |         |
| P.A.G. SX17      | 109.5 | 21.6    | 4.4     | 19.0  | 88.5     |  |         |
| Princeton SX-803 | 136.0 | 21.7    | 12.4    | 11.5  | 91.7     |  |         |

Table 14. Two-Year Summary, Normal Population, Lexington, Ky. 1967-68

| Hybrid           | Yield |         | % Moist |       | % Lodged |  | % Stand |
|------------------|-------|---------|---------|-------|----------|--|---------|
|                  | Bu/A  | At Harv | Root    | Stalk |          |  |         |
| <u>Yellow</u>    |       |         |         |       |          |  |         |
| Stew.Card. SX47  | 114.1 | 20.3    | 24.3    | 8.1   | 100.0    |  |         |
| T E Bonusmaker-S | 99.4  | 20.4    | 52.8    | 5.8   | 96.2     |  |         |
| S.S. 820S        | 95.2  | 21.0    | 45.0    | 6.0   | 96.8     |  |         |
| Stull's 807A     | 117.5 | 21.2    | 16.4    | 5.8   | 95.7     |  |         |
| Schenk SS-77A    | 116.6 | 21.3    | 26.6    | 7.7   | 97.2     |  |         |
| Pioneer 3306     | 124.0 | 21.5    | 16.8    | 6.4   | 96.5     |  |         |
| T-E VR-20-Y-A    | 105.2 | 21.7    | 26.5    | 6.3   | 95.2     |  |         |
| Crib Filler 105  | 125.4 | 21.7    | 21.0    | 7.1   | 96.5     |  |         |
| Crib Filler 123  | 119.8 | 21.9    | 23.8    | 8.0   | 90.7     |  |         |
| T-E VR-20-Y      | 102.4 | 21.9    | 29.8    | 7.3   | 97.4     |  |         |
| Princeton SX-804 | 108.4 | 22.0    | 43.2    | 7.1   | 94.9     |  |         |
| Pioneer 3196     | 116.1 | 22.0    | 14.6    | 7.0   | 97.7     |  |         |
| S.S. 860         | 110.6 | 22.1    | 36.9    | 7.3   | 89.6     |  |         |
| Crib Filler 66   | 119.7 | 22.4    | 49.0    | 1.8   | 97.4     |  |         |
| S.S. 866         | 109.2 | 22.5    | 13.4    | 3.5   | 93.6     |  |         |
| Princeton SX-803 | 126.2 | 22.8    | 18.8    | 9.8   | 90.9     |  |         |
| Ky 105           | 81.3  | 22.9    | 9.5     | 10.7  | 90.7     |  |         |
| Yellow Average   | 111.2 | 21.7    | 27.6    | 6.8   | 95.1     |  |         |
| <u>White</u>     |       |         |         |       |          |  |         |
| Ky 5921W         | 95.8  | 22.8    | 37.3    | 11.4  | 98.3     |  |         |
| Schenk S-96W     | 97.3  | 22.8    | 46.6    | 6.6   | 94.3     |  |         |
| S.S. 935W        | 100.8 | 23.1    | 41.8    | 10.8  | 96.7     |  |         |
| T-E M-20W        | 104.8 | 23.1    | 29.7    | 9.3   | 96.6     |  |         |
| Crib Filler 183W | 97.2  | 23.2    | 39.6    | 11.5  | 92.6     |  |         |
| Princeton 920-A  | 95.8  | 23.4    | 28.8    | 6.4   | 95.2     |  |         |
| Meacham's MX-75W | 83.2  | 23.8    | 24.5    | 2.8   | 94.3     |  |         |
| Stull's 800W     | 85.1  | 25.5    | 21.9    | 6.6   | 78.5     |  |         |
| White Average    | 95.0  | 23.5    | 33.8    | 8.2   | 93.3     |  |         |
| GRAND AVERAGE    | 106.1 | 22.3    | 29.5    | 7.2   | 94.5     |  |         |



Table 15. Three-Year Summary, Normal Population, Lexington, Ky. 1966-67-68

| Hybrid                | Yield        |             | % Moist     |             | % Lodged    |       | Stand |
|-----------------------|--------------|-------------|-------------|-------------|-------------|-------|-------|
|                       | Bu/A         | At Harv     | Root        | Stalk       | Root        | Stalk |       |
| <b>Yellow</b>         |              |             |             |             |             |       |       |
| S.S. 820S             | 89.6         | 20.3        | 22.5        | 7.7         | 95.8        |       |       |
| T-E E-20-Y-A          | 99.8         | 20.4        | 13.2        | 11.2        | 97.3        |       |       |
| S.S. 860              | 100.9        | 20.9        | 21.6        | 10.8        | 93.4        |       |       |
| Crib Filler 66        | 110.1        | 21.2        | 24.5        | 7.1         | 96.2        |       |       |
| Princeton SX-803      | 110.1        | 21.3        | 9.4         | 11.9        | 94.7        |       |       |
| Princeton SX-804      | 99.9         | 21.6        | 21.6        | 9.9         | 96.4        |       |       |
| S.S. 866              | 103.5        | 21.7        | 6.7         | 9.2         | 93.1        |       |       |
| Ky 105                | 88.5         | 22.1        | 5.1         | 15.6        | 94.3        |       |       |
| <b>Yellow Average</b> | <b>100.3</b> | <b>21.2</b> | <b>15.6</b> | <b>10.4</b> | <b>95.2</b> |       |       |
| <b>White</b>          |              |             |             |             |             |       |       |
| Ky 5921W              | 95.0         | 22.2        | 18.6        | 13.9        | 97.4        |       |       |
| Crib Filler 183W      | 105.1        | 22.2        | 19.8        | 16.8        | 96.7        |       |       |
| T-E M-20W             | 102.1        | 22.2        | 15.6        | 12.8        | 97.2        |       |       |
| Schenk S-96W          | 98.3         | 22.6        | 23.3        | 9.7         | 95.9        |       |       |
| Princeton 920-A       | 95.1         | 22.9        | 14.4        | 9.5         | 97.4        |       |       |
| Stull's 800W          | 100.8        | 24.6        | 10.9        | 9.8         | 87.7        |       |       |
| <b>White Average</b>  | <b>99.4</b>  | <b>22.8</b> | <b>17.1</b> | <b>12.1</b> | <b>95.4</b> |       |       |
| <b>GRAND AVERAGE</b>  | <b>99.9</b>  | <b>21.9</b> | <b>16.2</b> | <b>11.1</b> | <b>95.2</b> |       |       |
| Princeton SX-804      | 102.5        | 21.7        | 53.7        | 7.9         | 92.7        |       |       |
| Stull's 720           | 117.1        | 21.8        | 19.4        | 15.0        | 96.9        |       |       |
| T-E E-20-Y-A          | 106.2        | 21.8        | 20.8        | 8.0         | 90.6        |       |       |
| Dekalb XL85           | 119.3        | 21.9        | 23.0        | 10.4        | 91.7        |       |       |
| Ky 105                | 74.3         | 21.9        | 1.2         | 12.0        | 80.2        |       |       |
| Crib Filler 66        | 115.9        | 22.0        | 63.3        | 3.2         | 94.8        |       |       |
| Crib Filler 123       | 107.2        | 22.2        | 40.2        | 10.7        | 87.5        |       |       |
| Ky 6514               | 103.8        | 22.8        | 8.3         | 5.2         | 100.0       |       |       |
| Funk's G-5757         | 84.1         | 23.0        | 45.2        | 1.1         | 94.8        |       |       |
| S.S. 866              | 112.5        | 23.1        | 3.3         | 2.3         | 90.6        |       |       |
| Funk's G-4761         | 102.7        | 23.9        | 34.0        | 11.1        | 94.8        |       |       |
| P.A.G. SX99           | 105.5        | 24.0        | 18.9        | 10.9        | 95.8        |       |       |
| <b>Yellow Average</b> | <b>100.7</b> | <b>20.8</b> | <b>24.7</b> | <b>9.6</b>  | <b>91.6</b> |       |       |
| <b>White</b>          |              |             |             |             |             |       |       |
| Schenk S-96W          | 84.3         | 21.5        | 66.2        | 6.9         | 90.6        |       |       |
| King & Son K60        | 102.1        | 21.6        | 39.1        | 12.3        | 91.7        |       |       |
| S.S. 935W             | 96.2         | 21.6        | 50.2        | 11.6        | 97.9        |       |       |
| Ky 5921W              | 91.4         | 21.6        | 59.5        | 19.2        | 97.9        |       |       |
| Dekalb 999W           | 87.3         | 21.7        | 29.7        | 11.6        | 78.1        |       |       |
| Princeton 920-A       | 82.2         | 22.2        | 37.1        | 4.6         | 91.7        |       |       |
| Meacham's MX-75W      | 77.7         | 22.2        | 15.0        | 4.6         | 88.5        |       |       |
| Pioneer 511A          | 84.6         | 22.4        | 27.3        | 3.3         | 78.1        |       |       |
| Crib Filler 183W      | 85.4         | 22.5        | 47.1        | 18.3        | 89.6        |       |       |
| Princeton 990-B       | 95.0         | 22.6        | 32.1        | 11.8        | 89.6        |       |       |
| T-E M-20W             | 94.2         | 22.7        | 21.2        | 13.0        | 94.8        |       |       |
| Meacham's MX-50W      | 99.8         | 23.1        | 76.3        | 10.4        | 89.6        |       |       |
| Funk's G-5830W        | 79.3         | 23.4        | 22.1        | 8.7         | 80.2        |       |       |
| Stull's 800W          | 100.1        | 23.4        | 17.6        | 10.7        | 89.6        |       |       |
| Dekalb XL390W         | 121.3        | 23.6        | 40.6        | 7.8         | 93.7        |       |       |
| P.A.G. SX80           | 101.3        | 23.7        | 1.1         | 8.9         | 92.7        |       |       |
| Stull's 500WC         | 95.3         | 23.9        | 30.8        | 11.4        | 93.7        |       |       |
| Funk's G-4831         | 78.1         | 25.2        | 8.7         | 1.4         | 71.9        |       |       |
| <b>White Average</b>  | <b>92.0</b>  | <b>22.7</b> | <b>34.6</b> | <b>9.8</b>  | <b>88.9</b> |       |       |
| <b>GRAND AVERAGE</b>  | <b>98.2</b>  | <b>21.3</b> | <b>27.5</b> | <b>9.7</b>  | <b>90.8</b> |       |       |

Table 16 Annual Summary, Normal Population, Quicksand, Ky

| Hybrid              | Yield<br>Bu/A | % Moist<br>At Harv | % Lodged |       | M.D.M. | %<br>Stand |
|---------------------|---------------|--------------------|----------|-------|--------|------------|
|                     |               |                    | Root     | Stalk |        |            |
| <u>Yellow</u>       |               |                    |          |       |        |            |
| P.A.G. SX48         | 66.7          | 16.8               | 11.6     | 14.4  | 3.5    | 85.4       |
| Stewart Card. S-845 | 41.9          | 17.9               | 11.4     | 11.8  | 4.2    | 86.5       |
| P.A.G. SX31         | 102.9         | 18.8               | 5.6      | 1.1   | 2.5    | 91.7       |
| Pioneer 3564        | 109.8         | 19.6               | 0.0      | 0.0   | 3.3    | 83.3       |
| Stewart Card. SX39  | 68.7          | 19.6               | 0.0      | 19.0  | 5.2    | 84.4       |
| P.A.G. SX52         | 100.1         | 19.7               | 1.1      | 3.4   | 3.2    | 91.7       |
| Stull's 727         | 85.5          | 19.8               | 0.0      | 6.1   | 3.5    | 68.7       |
| Funk's G-4384       | 108.5         | 19.9               | 0.0      | 2.2   | 2.3    | 86.5       |
| Pioneer 3542        | 69.3          | 20.2               | 0.0      | 1.4   | 4.5    | 72.9       |
| P.A.G. SX29         | 111.3         | 20.5               | 0.0      | 1.2   | 2.8    | 89.6       |
| Dekalb XL346        | 66.4          | 21.0               | 0.0      | 0.0   | 4.0    | 65.6       |
| T-E Bonusmaker-S    | 119.3         | 21.0               | 2.2      | 3.7   | 3.2    | 88.5       |
| Dekalb XL45         | 95.2          | 21.3               | 7.7      | 4.7   | 2.4    | 90.6       |
| S.S. 860            | 108.4         | 21.4               | 9.0      | 10.5  | 2.9    | 70.8       |
| S.S. 720            | 115.3         | 21.6               | 4.4      | 3.3   | 3.0    | 92.7       |
| Schenk SS-77A       | 71.5          | 21.6               | 3.8      | 13.0  | 4.7    | 85.4       |
| S.S. 820S           | 102.3         | 21.7               | 6.2      | 0.0   | 3.7    | 99.0       |
| Dekalb XL342        | 102.8         | 21.7               | 0.0      | 4.5   | 3.0    | 90.6       |
| Schenk SS-75A       | 88.9          | 21.8               | 0.0      | 4.8   | 3.5    | 85.4       |
| Pioneer 3196        | 116.3         | 21.8               | 0.0      | 3.6   | 2.2    | 86.5       |
| Stewart Card. SX47  | 87.6          | 21.8               | 0.0      | 2.4   | 3.5    | 89.6       |
| T-E VR-20-Y         | 106.1         | 21.8               | 2.6      | 1.3   | 2.5    | 83.3       |
| Stull's 707         | 106.9         | 21.9               | 0.0      | 3.5   | 3.0    | 90.6       |
| Funk's G-4697       | 84.6          | 21.9               | 0.0      | 3.2   | 3.5    | 82.3       |
| Ky 6514             | 107.5         | 22.0               | 5.2      | 2.4   | 2.7    | 87.5       |
| Pioneer 3306        | 78.3          | 22.1               | 1.2      | 8.9   | 2.8    | 77.1       |
| P.A.G. SX17         | 120.9         | 22.1               | 0.0      | 0.0   | 2.2    | 86.5       |
| Crib Filler 123     | 95.7          | 22.2               | 0.0      | 6.7   | 4.5    | 90.6       |
| Funk's G-4595       | 98.3          | 22.2               | 5.8      | 2.3   | 3.0    | 89.6       |
| T-E E-20-Y-A        | 82.4          | 22.2               | 0.0      | 11.8  | 3.5    | 70.8       |
| Dekalb XL66         | 100.3         | 22.2               | 1.2      | 4.5   | 3.2    | 90.6       |
| Princeton SX-804    | 106.1         | 22.3               | 4.4      | 3.4   | 1.8    | 92.7       |
| Ky 105              | 108.5         | 22.3               | 5.8      | 2.9   | 1.7    | 66.7       |
| Stull's 807A        | 81.4          | 22.3               | 1.3      | 7.3   | 3.7    | 93.7       |
| Pioneer 3308        | 118.3         | 22.3               | 1.2      | 3.7   | 3.0    | 85.4       |

(continued)



Table 16 (continued)

| Hybrid             | Yield<br>Bu/A | % Moist<br>At Harv | % Lodged |       | M.D.M. | %<br>Stand |
|--------------------|---------------|--------------------|----------|-------|--------|------------|
|                    |               |                    | Root     | Stalk |        |            |
| Princeton SX-803   | 105.6         | 22.4               | 0.0      | 1.2   | 1.8    | 90.6       |
| Crib Filler 66     | 98.6          | 22.4               | 2.3      | 9.2   | 3.5    | 93.7       |
| Stull's 720        | 124.3         | 22.9               | 1.2      | 2.1   | 2.8    | 94.8       |
| Pioneer 3369A      | 121.3         | 23.0               | 0.0      | 1.5   | 2.8    | 80.2       |
| Crib Filler 105    | 113.9         | 23.0               | 0.0      | 2.4   | 3.1    | 88.5       |
| Meacham's MX-10Y   | 98.5          | 23.1               | 3.4      | 3.4   | 3.2    | 91.7       |
| P.A.G. SX99        | 111.0         | 23.2               | 0.0      | 5.4   | 2.3    | 90.6       |
| Dekalb XL85        | 118.5         | 23.5               | 4.9      | 4.0   | 2.7    | 79.2       |
| S.S.866            | 115.0         | 23.6               | 0.0      | 3.7   | 2.8    | 88.5       |
| Funk's G-5757      | 105.2         | 24.1               | 1.2      | 0.0   | 2.7    | 84.4       |
| Funk's G-4761      | 133.7         | 25.2               | 0.0      | 0.0   | 1.5    | 92.7       |
| Yellow Average     | 99.6          | 21.6               | 2.3      | 4.5   | 3.1    | 85.8       |
| <u>White</u>       |               |                    |          |       |        |            |
| W.O.King & Son K60 | 99.7          | 21.9               | 5.2      | 0.0   | 2.8    | 79.2       |
| Dekalb 999W        | 124.4         | 22.0               | 0.0      | 1.2   | 3.0    | 92.7       |
| Crib Filler 183W   | 126.9         | 22.1               | 0.0      | 4.9   | 2.8    | 87.5       |
| Ky 5921W           | 131.7         | 22.2               | 0.0      | 0.0   | 3.0    | 89.6       |
| Meacham's MX-50W   | 102.4         | 22.7               | 1.3      | 8.7   | 4.3    | 91.7       |
| P.A.G. SX80        | 107.6         | 22.8               | 1.1      | 7.9   | 3.0    | 92.7       |
| T-E M-20W          | 122.4         | 22.9               | 15.5     | 3.7   | 1.9    | 86.5       |
| Stull's 500WC      | 131.2         | 22.9               | 11.5     | 1.3   | 2.2    | 85.4       |
| Dekalb XL390W      | 119.3         | 23.0               | 0.0      | 1.1   | 2.2    | 89.6       |
| Schenk S-96W       | 114.0         | 23.0               | 0.0      | 2.5   | 2.6    | 83.3       |
| Funk's G-4831      | 80.6          | 23.3               | 5.6      | 4.9   | 2.7    | 63.5       |
| Princeton 990-B    | 106.1         | 23.4               | 0.0      | 1.2   | 3.2    | 82.3       |
| S.S. 935W          | 120.0         | 23.5               | 0.0      | 5.6   | 3.3    | 92.7       |
| Funk's G-5830W     | 109.6         | 23.6               | 2.6      | 2.4   | 2.7    | 83.3       |
| Meacham's MX-75W   | 120.1         | 23.9               | 0.0      | 2.2   | 1.7    | 92.7       |
| Princeton 920-A    | 89.0          | 24.4               | 2.9      | 1.2   | 3.2    | 77.1       |
| Pioneer 511A       | 137.9         | 24.7               | 0.0      | 3.4   | 1.5    | 89.6       |
| Stull's 800W       | 104.5         | 25.3               | 8.2      | 3.8   | 2.5    | 83.3       |
| White Average      | 113.7         | 23.2               | 3.0      | 3.1   | 2.7    | 85.7       |
| GRAND AVERAGE      | 103.6         | 22.1               | 2.5      | 4.1   | 3.0    | 85.8       |

Table 17. Annual Summary, Normal Population, All Non-Virus locations

| Hybrid              | Yield<br>Bu/A | % Moist<br>At Harv | % Lodged |       | %<br>Stand |
|---------------------|---------------|--------------------|----------|-------|------------|
|                     |               |                    | Root     | Stalk |            |
| Yellow              |               |                    |          |       |            |
| P.A.G. SX48         | 68.6          | 15.6               | 10.6     | 19.6  | 86.6       |
| Stewart Card. S-845 | 74.0          | 16.6               | 7.5      | 11.0  | 87.9       |
| P.A.G. SX31         | 108.6         | 16.9               | 3.5      | 5.7   | 81.5       |
| Stewart Card. SX39  | 83.3          | 17.6               | 2.5      | 11.5  | 88.7       |
| Funk's G-4384       | 112.9         | 17.6               | 2.6      | 6.7   | 85.4       |
| P.A.G. SX52         | 101.8         | 17.8               | 7.5      | 5.3   | 87.8       |
| Pioneer 3564        | 105.6         | 18.0               | 1.8      | 3.9   | 83.8       |
| Pioneer 3542        | 103.5         | 18.0               | 1.8      | 3.9   | 81.0       |
| Dekalb XL45         | 107.5         | 18.4               | 8.4      | 5.9   | 90.9       |
| Stull's 727         | 101.4         | 18.5               | 0.4      | 10.6  | 70.4       |
| Dekalb XL342        | 102.8         | 18.5               | 2.8      | 5.7   | 87.2       |
| P.A.G. SX29         | 113.6         | 18.5               | 1.2      | 6.3   | 85.4       |
| P.A. G. SX17        | 119.2         | 18.5               | 0.6      | 7.8   | 82.4       |
| T-E Bonusmaker-S    | 106.9         | 18.6               | 12.2     | 3.3   | 83.5       |
| S.S. 720            | 117.8         | 18.6               | 11.1     | 9.3   | 94.3       |
| Dekalb XL346        | 75.2          | 18.8               | 4.5      | 5.1   | 68.0       |
| Stewart Card. SX47  | 118.7         | 19.1               | 3.0      | 4.9   | 89.0       |
| Dekalb XL66         | 115.6         | 19.2               | 2.2      | 3.6   | 91.5       |
| S.S. 820S           | 112.8         | 19.3               | 14.6     | 3.8   | 89.4       |
| Schenk SS-77A       | 97.6          | 19.3               | 5.4      | 8.8   | 87.1       |
| T-E VR-20-Y         | 110.9         | 19.4               | 3.3      | 3.5   | 85.7       |
| Funk's G-4595       | 107.4         | 19.5               | 7.2      | 3.6   | 86.7       |
| Princeton SX-803    | 121.0         | 19.5               | 1.8      | 3.6   | 87.2       |
| Schenk SS-75A       | 104.4         | 19.5               | 1.8      | 9.5   | 85.1       |
| Stull's 707         | 111.2         | 19.6               | 4.7      | 3.6   | 87.5       |
| S.S. 860            | 111.6         | 19.8               | 10.8     | 8.1   | 79.9       |
| Ky 105              | 97.8          | 19.8               | 1.4      | 9.4   | 73.2       |
| Stull's 807A        | 116.4         | 20.0               | 3.3      | 4.8   | 89.7       |
| Pioneer 3306        | 111.9         | 20.1               | 2.0      | 4.5   | 83.0       |
| Pioneer 3369A       | 133.6         | 20.1               | 1.8      | 3.5   | 82.6       |
| Funk's G-4697       | 104.0         | 20.2               | 3.2      | 3.6   | 79.6       |
| Crib Filler 123     | 110.8         | 20.3               | 7.8      | 6.4   | 82.6       |
| Meacham's MX-10Y    | 117.4         | 20.3               | 5.7      | 4.8   | 92.3       |
| T-E E-20-Y-A        | 109.6         | 20.3               | 4.0      | 6.4   | 82.7       |
| Pioneer 3196        | 129.2         | 20.3               | 0.4      | 6.1   | 88.5       |

(continued)



Table 17 (continued)

| Hybrid             | Yield<br>Bu/A | % Moist<br>At Harv | % Lodged |       | %<br>Stand |
|--------------------|---------------|--------------------|----------|-------|------------|
|                    |               |                    | Root     | Stalk |            |
| Pioneer 3308       | 121.8         | 20.4               | 3.2      | 3.4   | 81.1       |
| Crib Filler 105    | 125.6         | 20.4               | 1.3      | 4.1   | 89.9       |
| Princeton SX-804   | 116.9         | 20.5               | 10.0     | 3.8   | 85.4       |
| Crib Filler 66     | 125.5         | 20.6               | 10.9     | 5.5   | 91.4       |
| Stull's 720        | 124.8         | 20.7               | 3.1      | 5.6   | 90.0       |
| S.S. 866           | 118.7         | 20.9               | 1.0      | 3.9   | 82.1       |
| Ky. 6514           | 119.1         | 21.1               | 4.2      | 5.1   | 91.5       |
| Dekalb XL85        | 126.3         | 21.2               | 4.3      | 5.3   | 82.3       |
| Funk's G-5757      | 104.3         | 21.3               | 7.3      | 3.0   | 85.6       |
| P.A.G. SX99        | 114.0         | 22.4               | 4.8      | 6.1   | 88.2       |
| Funk's G-4761      | 115.2         | 22.4               | 5.3      | 3.4   | 91.7       |
| Yellow Average     | 109.9         | 19.4               | 4.8      | 5.9   | 85.4       |
| <u>White</u>       |               |                    |          |       |            |
| W.O.King & Son K60 | 120.2         | 20.3               | 7.1      | 6.0   | 83.0       |
| Schenk S-96W       | 117.0         | 20.4               | 9.5      | 5.7   | 84.8       |
| Ky 5921W           | 120.8         | 20.4               | 10.4     | 6.6   | 87.2       |
| Crib Filler 183W   | 118.9         | 20.4               | 8.7      | 8.3   | 85.7       |
| S.S. 935W          | 119.8         | 20.4               | 7.8      | 6.1   | 90.8       |
| T-E M-20W          | 119.6         | 20.5               | 9.0      | 7.9   | 90.2       |
| Dekalb 999W        | 113.4         | 20.5               | 4.8      | 5.8   | 81.2       |
| Stull's 500WC      | 121.8         | 20.6               | 9.7      | 8.0   | 88.1       |
| Princeton 920-A    | 107.5         | 21.1               | 6.1      | 3.8   | 82.3       |
| Princeton 990-B    | 112.0         | 21.2               | 7.8      | 8.7   | 83.0       |
| P.A.G. SX80        | 121.3         | 21.5               | 0.6      | 6.4   | 87.6       |
| Meacham's MX-50W   | 108.6         | 21.5               | 14.2     | 6.9   | 88.8       |
| Dekalb XL390W      | 125.2         | 21.7               | 8.8      | 5.1   | 86.0       |
| Meacham's MX-75W   | 107.2         | 21.8               | 2.9      | 4.2   | 93.5       |
| Funk's G-5830W     | 108.9         | 22.0               | 4.6      | 6.7   | 81.7       |
| Pioneer 511A       | 117.1         | 22.3               | 5.2      | 5.6   | 82.7       |
| Stull's 800W       | 108.3         | 20.4               | 6.5      | 4.7   | 84.4       |
| Funk's G-4831      | 97.0          | 22.8               | 2.4      | 5.8   | 63.8       |
| White Average      | 114.7         | 21.2               | 7.0      | 6.2   | 84.7       |
| GRAND AVERAGE      | 111.3         | 19.9               | 5.4      | 6.0   | 85.2       |

Table 18. Annual Summary, High Population, Princeton, Ky.

| Hybrid           | Yield |         |         |      | % Lodged |      |       |       | Stand |
|------------------|-------|---------|---------|------|----------|------|-------|-------|-------|
|                  | Bu/A  | % Moist | At Harv | Root | % Lodged | Root | Stalk | Stand |       |
| Yellow           |       |         |         |      |          |      |       |       |       |
| P.A.G. SX48      | 58.3  | 15.5    |         | 0.0  | 37.7     |      |       | 85.9  |       |
| P.A.G. SX52      | 105.8 | 16.2    |         | 0.0  | 9.1      |      |       | 80.7  |       |
| Stew.Card. S-845 | 71.3  | 16.2    |         | 0.0  | 29.4     |      |       | 79.2  |       |
| Funk's G-4384    | 100.5 | 16.4    |         | 0.0  | 13.5     |      |       | 84.9  |       |
| Stew.Card. SX39  | 63.5  | 16.9    |         | 0.0  | 13.3     |      |       | 82.8  |       |
| Pioneer 3542     | 97.7  | 17.4    |         | 0.0  | 7.2      |      |       | 79.2  |       |
| Stull's 727      | 89.4  | 17.5    |         | 0.0  | 18.3     |      |       | 83.3  |       |
| Pioneer 3564     | 103.4 | 17.6    |         | 0.0  | 6.4      |      |       | 88.5  |       |
| P.A.G. SX31      | 104.2 | 17.7    |         | 0.0  | 3.7      |      |       | 81.8  |       |
| S.S. 720         | 96.4  | 17.9    |         | 0.0  | 11.2     |      |       | 84.9  |       |
| Dekalb XL346     | 74.2  | 17.9    |         | 0.0  | 6.8      |      |       | 75.5  |       |
| Stull's 707      | 116.0 | 17.9    |         | 0.0  | 3.1      |      |       | 84.9  |       |
| T-E Bonusmaker-S | 105.8 | 18.0    |         | 0.0  | 5.1      |      |       | 81.8  |       |
| Ky 105           | 83.2  | 18.1    |         | 0.0  | 18.8     |      |       | 85.9  |       |
| T-E VR-20-Y      | 94.4  | 18.2    |         | 0.0  | 11.2     |      |       | 77.6  |       |
| P.A.G. SX29      | 113.6 | 18.2    |         | 0.0  | 13.2     |      |       | 82.8  |       |
| Stew.Card. SX47  | 97.0  | 18.2    |         | 0.0  | 18.8     |      |       | 77.6  |       |
| P.A.G. SX17      | 111.9 | 18.3    |         | 0.0  | 17.4     |      |       | 82.8  |       |
| Princeton SX-803 | 81.3  | 18.3    |         | 0.0  | 3.8      |      |       | 82.3  |       |
| Schenk SS-75A    | 83.9  | 18.3    |         | 0.0  | 12.4     |      |       | 88.0  |       |
| Dekalb XL66      | 106.9 | 18.3    |         | 0.0  | 3.7      |      |       | 84.4  |       |
| Funk's G-4595    | 91.1  | 18.4    |         | 1.2  | 6.6      |      |       | 85.9  |       |
| Dekalb XL45      | 114.7 | 18.4    |         | 0.0  | 7.8      |      |       | 81.8  |       |
| Dekalb XL342     | 82.4  | 18.5    |         | 0.0  | 15.0     |      |       | 87.5  |       |
| S.S. 820S        | 108.0 | 18.7    |         | 0.0  | 11.6     |      |       | 83.3  |       |
| Schenk SS-77A    | 85.2  | 18.8    |         | 0.0  | 16.0     |      |       | 82.8  |       |
| Stull's 807A     | 102.0 | 18.8    |         | 0.0  | 9.5      |      |       | 88.0  |       |
| Pioneer 3196     | 92.3  | 18.8    |         | 0.0  | 21.6     |      |       | 80.7  |       |
| Pioneer 3306     | 100.7 | 18.8    |         | 0.0  | 12.8     |      |       | 74.5  |       |
| Pioneer 3308     | 112.3 | 18.9    |         | 0.0  | 8.5      |      |       | 77.1  |       |
| T-E E-20-Y-A     | 96.9  | 18.9    |         | 0.0  | 6.8      |      |       | 82.8  |       |
| S.S. 860         | 87.4  | 18.9    |         | 0.0  | 22.8     |      |       | 83.9  |       |
| Pioneer 3369A    | 114.3 | 18.9    |         | 0.0  | 7.0      |      |       | 78.1  |       |

Table 19. Two-Year Summary, High Population, Princeton, Ky, 1967-68

| Hybrid           | Yield |         |         |      | % Lodged |      |       |       | Stand |
|------------------|-------|---------|---------|------|----------|------|-------|-------|-------|
|                  | Bu/A  | % Moist | At Harv | Root | % Lodged | Root | Stalk | Stand |       |
| Yellow           |       |         |         |      |          |      |       |       |       |
| T-E Bonusmaker-S | 106.4 | 19.9    |         | 0.0  | 6.0      |      |       | 86.0  |       |
| Stew.Card. SX47  | 109.6 | 20.4    |         | 0.6  | 11.5     |      |       | 86.8  |       |
| Stull's 807A     | 124.1 | 20.7    |         | 0.0  | 6.4      |      |       | 95.2  |       |
| S.S. 820S        | 118.1 | 20.8    |         | 0.6  | 8.2      |      |       | 84.8  |       |
| Pioneer 3306     | 116.9 | 20.9    |         | 0.0  | 12.2     |      |       | 88.6  |       |
| S.S. 860         | 98.5  | 20.9    |         | 0.0  | 17.6     |      |       | 86.5  |       |
| Pioneer 3196     | 118.8 | 21.1    |         | 0.0  | 10.8     |      |       | 89.4  |       |
| Schenk SS-77A    | 99.8  | 21.2    |         | 0.3  | 15.7     |      |       | 90.5  |       |
| T-E VR-20-Y      | 107.5 | 21.2    |         | 0.4  | 8.5      |      |       | 88.0  |       |
| T-E E-20-Y-A     | 105.7 | 21.4    |         | 0.3  | 5.3      |      |       | 88.3  |       |
| Princeton SX-804 | 115.8 | 21.5    |         | 0.0  | 9.7      |      |       | 91.8  |       |
| Ky 105           | 95.1  | 21.6    |         | 0.3  | 14.6     |      |       | 87.4  |       |
| Crib Filler 66   | 101.5 | 21.8    |         | 0.0  | 9.9      |      |       | 87.8  |       |
| Princeton SX-803 | 96.0  | 21.8    |         | 0.0  | 4.4      |      |       | 89.1  |       |
| Crib Filler 105  | 121.9 | 22.1    |         | 0.0  | 5.2      |      |       | 90.6  |       |
| S.S. 866         | 114.1 | 22.2    |         | 0.2  | 10.5     |      |       | 90.9  |       |
| Crib Filler 123  | 107.4 | 22.2    |         | 0.0  | 8.3      |      |       | 89.2  |       |
| Yellow Average   | 109.2 | 21.3    |         | 0.2  | 9.7      |      |       | 88.9  |       |
| White            |       |         |         |      |          |      |       |       |       |
| Schenk S-96W     | 110.0 | 21.4    |         | 0.0  | 8.6      |      |       | 91.0  |       |
| S.S. 935W        | 123.2 | 21.5    |         | 0.4  | 4.5      |      |       | 86.9  |       |
| Ky 5921W         | 122.8 | 22.1    |         | 0.0  | 5.5      |      |       | 88.7  |       |
| Crib Filler 183W | 113.8 | 22.3    |         | 0.0  | 10.6     |      |       | 91.2  |       |
| T-E M-20W        | 120.0 | 22.5    |         | 0.3  | 12.2     |      |       | 96.9  |       |
| Meacham's MX-75W | 115.8 | 23.3    |         | 0.0  | 4.5      |      |       | 96.7  |       |
| Princeton 920-A  | 120.0 | 23.4    |         | 0.0  | 6.8      |      |       | 92.5  |       |
| Stull's 800W     | 89.8  | 25.1    |         | 0.0  | 9.4      |      |       | 65.7  |       |
| White Average    | 114.4 | 22.7    |         | 0.1  | 7.8      |      |       | 88.7  |       |
| GRAND AVERAGE    | 110.9 | 21.7    |         | 0.14 | 9.1      |      |       | 88.8  |       |



Table 20. Three-Year Summary, High Population, Princeton, Ky. 1966-67-68

| Hybrid           | Yield % Moist |         |      | % Lodged |       |  | % Stand |
|------------------|---------------|---------|------|----------|-------|--|---------|
|                  | Bu/A          | At Harv | Root | Stalk    | Stalk |  |         |
| Yellow           |               |         |      |          |       |  |         |
| S.S. 820S        | 99.2          | 22.5    | 0.6  | 8.8      |       |  | 86.0    |
| S.S. 860         | 82.5          | 22.8    | 0.0  | 11.6     |       |  | 85.2    |
| Princeton SX-803 | 77.8          | 23.5    | 0.0  | 4.5      |       |  | 84.8    |
| T-E E-20-Y-A     | 94.1          | 23.6    | 0.1  | 7.6      |       |  | 84.2    |
| Princeton SX-804 | 93.8          | 23.8    | 0.0  | 7.5      |       |  | 89.8    |
| Crib Filler 66   | 79.2          | 24.4    | 0.0  | 7.0      |       |  | 87.9    |
| Ky 105           | 89.1          | 24.8    | 0.1  | 11.1     |       |  | 99.6    |
| S.S. 866         | 98.0          | 25.6    | 0.1  | 8.4      |       |  | 91.0    |
| Yellow Average   | 89.2          | 23.9    | 0.1  | 8.3      |       |  | 88.6    |
| White            |               |         |      |          |       |  |         |
| Schenk S-96W     | 90.5          | 23.6    | 0.0  | 8.1      |       |  | 89.3    |
| Ky 5921W         | 98.5          | 24.4    | 0.0  | 6.7      |       |  | 86.8    |
| Crib Filler 183W | 88.5          | 24.6    | 0.0  | 8.2      |       |  | 85.6    |
| T-E M-20W        | 102.4         | 25.0    | 0.1  | 11.2     |       |  | 89.0    |
| Princeton 920-A  | 97.1          | 26.0    | 0.0  | 7.3      |       |  | 89.6    |
| Stull's 800W     | 82.4          | 28.4    | 0.0  | 8.4      |       |  | 74.8    |
| White Average    | 93.2          | 25.3    | 0.1  | 8.3      |       |  | 85.8    |
| GRAND AVERAGE    | 90.9          | 24.5    | 0.1  | 8.3      |       |  | 87.4    |
| Funk's G-4697    | 80.3          | 19.0    | 0.0  | 19.6     | 83.9  |  |         |
| Ky 6514          | 83.4          | 19.3    | 0.0  | 12.3     | 89.1  |  |         |
| Crib Filler 123  | 106.6         | 19.4    | 0.0  | 8.2      | 82.8  |  |         |
| Princeton SX-804 | 94.3          | 19.4    | 0.0  | 14.7     | 90.6  |  |         |
| Crib Filler 66   | 85.1          | 19.5    | 0.0  | 11.9     | 85.4  |  |         |
| Stull's 720      | 103.3         | 19.6    | 0.0  | 6.3      | 77.6  |  |         |
| Funk's G-5757    | 91.8          | 19.8    | 0.0  | 5.2      | 89.1  |  |         |
| Meacham's MX-10Y | 101.1         | 19.9    | 0.0  | 7.4      | 83.9  |  |         |
| Funk's G-4761    | 85.2          | 20.2    | 0.0  | 8.3      | 81.8  |  |         |
| S.S. 866         | 98.4          | 20.6    | 0.6  | 13.5     | 86.5  |  |         |
| Crib Filler 105  | 103.1         | 20.7    | 0.0  | 3.8      | 78.1  |  |         |
| Dekalb XL85      | 98.6          | 20.9    | 0.0  | 3.8      | 79.7  |  |         |
| P.A.G. SX99      | 93.1          | 22.5    | 0.0  | 11.1     | 90.6  |  |         |
| Yellow Average   | 95.0          | 18.6    | 0.04 | 11.7     | 83.0  |  |         |
| White            |               |         |      |          |       |  |         |
| Ky 5921W         | 107.7         | 18.4    | 0.0  | 9.2      | 75.0  |  |         |
| S.S. 935W        | 108.1         | 18.9    | 0.0  | 7.6      | 81.2  |  |         |
| Crib Filler 183W | 98.8          | 18.9    | 0.0  | 16.2     | 82.3  |  |         |
| Stull's 500WC    | 93.3          | 18.9    | 0.0  | 20.2     | 77.6  |  |         |
| Princeton 920-A  | 110.5         | 19.1    | 0.0  | 12.2     | 85.4  |  |         |
| Princeton 990-B  | 93.9          | 19.3    | 0.0  | 23.5     | 85.9  |  |         |
| Schenk S-96W     | 92.5          | 19.5    | 0.0  | 12.8     | 85.9  |  |         |
| King & Son K60   | 99.1          | 19.5    | 0.0  | 19.6     | 85.4  |  |         |
| Dekalb 999W      | 109.3         | 19.7    | 0.0  | 13.4     | 84.9  |  |         |
| T-E M-20W        | 98.1          | 19.8    | 0.0  | 18.5     | 90.1  |  |         |
| Meacham's MX-50W | 87.5          | 20.2    | 0.6  | 8.8      | 88.0  |  |         |
| Meacham's MX-75W | 84.0          | 20.4    | 0.0  | 6.4      | 89.6  |  |         |
| Funk's G-5830W   | 88.6          | 20.5    | 0.0  | 21.8     | 89.6  |  |         |
| Pioneer 511A     | 95.0          | 20.5    | 0.0  | 15.4     | 90.1  |  |         |
| Dekalb XL390W    | 83.6          | 20.7    | 0.0  | 13.8     | 88.0  |  |         |
| P.A.G. SX80      | 111.8         | 21.2    | 0.0  | 5.3      | 84.9  |  |         |
| Funk's G-4831    | 105.7         | 21.3    | 0.0  | 10.0     | 81.8  |  |         |
| Stull's 800W     | 80.3          | 21.6    | 0.0  | 9.6      | 79.2  |  |         |
| White Average    | 97.1          | 19.9    | 0.03 | 13.6     | 84.7  |  |         |
| GRAND AVERAGE    | 95.6          | 18.9    | 0.04 | 12.2     | 83.5  |  |         |

Table 21. Annual Summary, High Population  
Lexington, Ky

| Hybrid           | Yield |         | % Moist |       | % Lodged |       | Stand |
|------------------|-------|---------|---------|-------|----------|-------|-------|
|                  | Bu/A  | At Harv | Root    | Stalk | Root     | Stalk |       |
| Yellow           |       |         |         |       |          |       |       |
| P.A.G. SX48      | 53.1  | 15.0    | 56.3    | 24.5  | 87.5     | 87.5  | 87.5  |
| P.A.G. SX31      | 99.8  | 15.7    | 24.5    | 23.0  | 88.0     | 88.0  | 88.0  |
| Stew.Card. S-845 | 63.2  | 16.5    | 38.9    | 23.0  | 86.5     | 86.5  | 86.5  |
| Stew.Card. SX39  | 72.0  | 16.6    | 11.9    | 19.6  | 95.3     | 95.3  | 95.3  |
| P.A.G. SX29      | 90.2  | 17.3    | 13.2    | 22.6  | 87.0     | 87.0  | 87.0  |
| Pioneer 3564     | 104.4 | 17.3    | 6.7     | 14.6  | 84.9     | 84.9  | 84.9  |
| Funk's G-4384    | 92.6  | 17.4    | 13.5    | 25.6  | 91.1     | 91.1  | 91.1  |
| P.A.G. SX52      | 80.2  | 17.6    | 79.9    | 14.5  | 93.8     | 93.8  | 93.8  |
| Pioneer 3542     | 101.4 | 18.0    | 12.4    | 15.9  | 89.6     | 89.6  | 89.6  |
| Dekalb XL45      | 103.8 | 18.2    | 10.4    | 14.5  | 93.7     | 93.7  | 93.7  |
| T-E E-20-Y-A     | 73.4  | 18.5    | 21.8    | 14.6  | 87.5     | 87.5  | 87.5  |
| Stull's 727      | 86.5  | 18.5    | 7.3     | 20.4  | 75.5     | 75.5  | 75.5  |
| S.S. 720         | 84.4  | 18.6    | 55.4    | 15.3  | 92.2     | 92.2  | 92.2  |
| Dekalb XL342     | 97.5  | 18.6    | 26.1    | 23.7  | 87.5     | 87.5  | 87.5  |
| Dekalb XL346     | 81.0  | 18.6    | 14.7    | 14.8  | 77.1     | 77.1  | 77.1  |
| S.S. 820S        | 67.5  | 18.6    | 64.4    | 15.0  | 97.9     | 97.9  | 97.9  |
| Pioneer 3369A    | 123.2 | 18.7    | 0.0     | 16.0  | 90.6     | 90.6  | 90.6  |
| Pioneer 3306     | 113.5 | 18.7    | 8.2     | 13.2  | 84.4     | 84.4  | 84.4  |
| Pioneer 3308     | 85.7  | 18.7    | 17.0    | 8.0   | 85.9     | 85.9  | 85.9  |
| P.A.G. SX17      | 100.5 | 18.8    | 1.9     | 37.1  | 85.9     | 85.9  | 85.9  |
| Stew.Card. SX47  | 104.0 | 18.8    | 27.4    | 14.0  | 96.4     | 96.4  | 96.4  |
| T-E VR-20-Y      | 89.9  | 18.8    | 37.8    | 11.0  | 90.6     | 90.6  | 90.6  |
| Funk's G-4595    | 88.9  | 18.9    | 56.5    | 12.6  | 88.0     | 88.0  | 88.0  |
| Schenk SS-77A    | 72.8  | 19.0    | 29.7    | 18.4  | 94.8     | 94.8  | 94.8  |
| Stull's 707      | 92.2  | 19.1    | 57.0    | 12.4  | 96.4     | 96.4  | 96.4  |
| S.S.860          | 71.9  | 19.1    | 63.7    | 21.0  | 86.5     | 86.5  | 86.5  |
| Stull's 807A     | 79.1  | 19.2    | 37.9    | 7.1   | 82.8     | 82.8  | 82.8  |
| Schenk SS-75A    | 82.8  | 19.4    | 0.0     | 27.4  | 90.1     | 90.1  | 90.1  |
| Pioneer 3196     | 108.7 | 19.5    | 2.9     | 20.8  | 88.5     | 88.5  | 88.5  |
| Funk's G-5757    | 99.3  | 19.6    | 11.7    | 16.0  | 87.5     | 87.5  | 87.5  |
| T-E Bonusmaker-S | 73.6  | 19.6    | 53.9    | 16.9  | 95.3     | 95.3  | 95.3  |
| Princeton SX-803 | 117.9 | 19.9    | 2.4     | 18.5  | 90.6     | 90.6  | 90.6  |
| Ky 105           | 76.8  | 20.0    | 8.5     | 23.8  | 83.3     | 83.3  | 83.3  |
| S.S. 866         | 98.8  | 20.0    | 13.3    | 13.2  | 86.5     | 86.5  | 86.5  |

Table 22. Two-Year Summary, High Population,  
Lexington, Ky., 1967-68

| Hybrid           | Yield |         | % Moist |       | % Lodged |       | Stand |
|------------------|-------|---------|---------|-------|----------|-------|-------|
|                  | Bu/A  | At Harv | Root    | Stalk | Root     | Stalk |       |
| Yellow           |       |         |         |       |          |       |       |
| Stew.Card. SX47  | 120.7 | 19.8    | 23.3    | 7.8   | 97.5     | 97.5  | 97.5  |
| S.S. 820S        | 93.7  | 20.2    | 50.8    | 6.7   | 97.6     | 97.6  | 97.6  |
| T-E Bonusmaker-S | 92.4  | 20.3    | 39.3    | 8.8   | 95.6     | 95.6  | 95.6  |
| Stull's 807A     | 102.7 | 20.4    | 22.8    | 7.7   | 90.6     | 90.6  | 90.6  |
| T-E E-20-Y-A     | 89.5  | 20.4    | 26.8    | 9.6   | 83.0     | 83.0  | 83.0  |
| Pioneer 3306     | 116.5 | 20.4    | 14.1    | 8.1   | 89.1     | 89.1  | 89.1  |
| Schenk SS-77A    | 106.8 | 20.5    | 18.6    | 11.2  | 97.5     | 97.5  | 97.5  |
| T-E VR-20-Y      | 95.8  | 20.6    | 33.1    | 9.4   | 93.6     | 93.6  | 93.6  |
| S.S. 866         | 100.2 | 20.9    | 17.6    | 8.4   | 93.9     | 93.9  | 93.9  |
| S.S. 860         | 90.0  | 21.0    | 44.1    | 12.3  | 93.3     | 93.3  | 93.3  |
| Crib Filler 105  | 124.3 | 21.0    | 22.5    | 7.1   | 95.8     | 95.8  | 95.8  |
| Pioneer 3196     | 117.0 | 21.2    | 2.2     | 13.2  | 93.5     | 93.5  | 93.5  |
| Ky 105           | 87.3  | 21.3    | 16.2    | 16.0  | 85.6     | 85.6  | 85.6  |
| Crib Filler 123  | 102.2 | 21.4    | 29.2    | 15.3  | 90.0     | 90.0  | 90.0  |
| Princeton SX-803 | 119.7 | 21.6    | 2.0     | 14.3  | 92.7     | 92.7  | 92.7  |
| Princeton SX-804 | 110.8 | 21.7    | 30.7    | 14.0  | 93.5     | 93.5  | 93.5  |
| Crib Filler 66   | 109.4 | 22.0    | 31.3    | 7.6   | 96.7     | 96.7  | 96.7  |
| Yellow Average   | 104.6 | 20.9    | 25.0    | 10.4  | 92.9     | 92.9  | 92.9  |
| White            |       |         |         |       |          |       |       |
| T-E M-20W        | 100.8 | 21.5    | 38.1    | 16.9  | 94.8     | 94.8  | 94.8  |
| Ky 5921W         | 93.3  | 21.6    | 31.3    | 15.8  | 89.2     | 89.2  | 89.2  |
| Crib Filler 183W | 92.2  | 21.8    | 55.3    | 10.8  | 93.5     | 93.5  | 93.5  |
| S.S. 935W        | 103.3 | 22.1    | 37.6    | 12.2  | 95.1     | 95.1  | 95.1  |
| Schenk S-96W     | 84.8  | 22.2    | 22.5    | 13.2  | 93.5     | 93.5  | 93.5  |
| Meacham's MX-75W | 74.4  | 22.7    | 35.5    | 5.2   | 94.1     | 94.1  | 94.1  |
| Princeton 920-A  | 90.0  | 22.7    | 32.7    | 16.8  | 89.1     | 89.1  | 89.1  |
| Stull's .800W    | 83.1  | 23.1    | 30.9    | 10.2  | 73.7     | 73.7  | 73.7  |
| White Average    | 90.2  | 22.2    | 35.5    | 12.6  | 90.4     | 90.4  | 90.4  |
| GRAND AVERAGE    | 100.0 | 21.3    | 28.3    | 11.2  | 92.1     | 92.1  | 92.1  |



Table 23. Three-Year Summary, High Population, Lexington, Ky. 1966-67-68

| Hybrid                | Yield |         |      | % Moist |      |       | % Lodged |      |       | % Stand |
|-----------------------|-------|---------|------|---------|------|-------|----------|------|-------|---------|
|                       | Bu/A  | At Harv | Root | At Harv | Root | Stalk | At Harv  | Root | Stalk |         |
| <b>Yellow</b>         |       |         |      |         |      |       |          |      |       |         |
| S.S. 820S             | 86.1  | 19.7    | 25.7 | 8.4     | 98.8 |       |          |      |       |         |
| T-E E-20-Y-A          | 86.2  | 20.1    | 13.7 | 9.4     | 89.4 |       |          |      |       |         |
| Princeton SX-803      | 99.7  | 20.6    | 1.0  | 13.0    | 94.8 |       |          |      |       |         |
| S.S. 866              | 97.6  | 21.0    | 8.8  | 9.9     | 93.7 |       |          |      |       |         |
| Crib Filler 66        | 96.8  | 21.1    | 15.6 | 14.3    | 93.9 |       |          |      |       |         |
| S.S. 860              | 87.4  | 21.1    | 22.6 | 10.9    | 96.3 |       |          |      |       |         |
| Princeton SX-804      | 100.5 | 21.2    | 15.9 | 11.5    | 96.1 |       |          |      |       |         |
| Ky 105                | 90.0  | 21.4    | 8.1  | 17.7    | 91.6 |       |          |      |       |         |
| <b>Yellow Average</b> | 93.0  | 20.8    | 13.8 | 11.9    | 94.3 |       |          |      |       |         |
| <b>White</b>          |       |         |      |         |      |       |          |      |       |         |
| Ky 5921W              | 94.9  | 21.2    | 15.9 | 15.7    | 93.9 |       |          |      |       |         |
| Crib Filler 183W      | 97.6  | 21.6    | 27.9 | 11.7    | 96.4 |       |          |      |       |         |
| Schenk S-96W          | 89.2  | 21.7    | 11.2 | 14.3    | 94.9 |       |          |      |       |         |
| T-E M-20W             | 100.6 | 21.8    | 19.3 | 15.5    | 95.9 |       |          |      |       |         |
| Princeton 920-A       | 92.5  | 22.4    | 16.6 | 17.9    | 93.1 |       |          |      |       |         |
| Stull's 800W          | 94.6  | 22.8    | 15.4 | 8.2     | 84.7 |       |          |      |       |         |
| <b>White Average</b>  | 94.9  | 22.0    | 17.7 | 13.9    | 93.2 |       |          |      |       |         |
| <b>GRAND AVERAGE</b>  | 93.8  | 21.3    | 15.6 | 12.7    | 93.8 |       |          |      |       |         |

|                       |       |      |      |      |      |
|-----------------------|-------|------|------|------|------|
| Crib Filler 123       | 81.6  | 20.0 | 29.7 | 19.2 | 82.3 |
| Stull's 720           | 108.3 | 20.2 | 20.8 | 18.1 | 92.2 |
| Princeton SX-804      | 94.4  | 20.2 | 27.1 | 19.5 | 89.1 |
| Funk's G-4761         | 76.5  | 20.3 | 0.6  | 9.6  | 90.6 |
| Meacham's MX-10Y      | 90.7  | 20.3 | 57.6 | 13.7 | 91.1 |
| Crib Filler 105       | 105.1 | 20.3 | 17.6 | 7.5  | 90.1 |
| Dekalb XL85           | 103.6 | 20.4 | 10.9 | 14.2 | 89.1 |
| Funk's G-4697         | 89.9  | 20.5 | 24.7 | 26.3 | 89.1 |
| Dekalb XL66           | 113.0 | 20.6 | 33.5 | 10.2 | 97.4 |
| Ky 6514               | 80.2  | 20.8 | 37.8 | 18.9 | 92.2 |
| Crib Filler 66        | 97.9  | 20.9 | 23.3 | 10.8 | 91.7 |
| P.A.G. SX99           | 66.1  | 22.1 | 17.8 | 16.8 | 95.8 |
| <b>Yellow Average</b> | 90.0  | 19.0 | 25.8 | 17.2 | 89.3 |
| <b>White</b>          |       |      |      |      |      |
| Stull's 500WC         | 75.1  | 19.4 | 39.5 | 16.3 | 93.7 |
| Ky 5921W              | 85.5  | 19.7 | 52.6 | 20.7 | 94.8 |
| P.A.G. SX80           | 74.6  | 19.8 | 2.5  | 17.8 | 84.9 |
| T-E M-20W             | 79.0  | 20.1 | 47.0 | 24.7 | 90.6 |
| S.S. 935W             | 82.3  | 20.2 | 37.2 | 17.3 | 92.7 |
| Crib Filler 183W      | 73.7  | 20.2 | 62.3 | 17.9 | 89.6 |
| Dekalb 999W           | 89.3  | 20.4 | 61.5 | 19.9 | 83.3 |
| King & Son K60        | 78.9  | 20.5 | 44.8 | 27.8 | 85.4 |
| Funk's G-5830W        | 67.3  | 20.7 | 2.8  | 23.1 | 83.3 |
| Schenk S-96W          | 59.2  | 20.7 | 29.6 | 12.8 | 89.6 |
| Meacham's MX-75W      | 58.3  | 21.0 | 41.1 | 7.7  | 93.2 |
| Pioneer 511A          | 78.2  | 21.4 | 33.1 | 18.3 | 84.9 |
| Princeton 920-A       | 72.4  | 21.4 | 40.0 | 23.0 | 82.3 |
| Dekalb XL390W         | 101.0 | 21.5 | 59.1 | 19.0 | 88.0 |
| Princeton 990-B       | 65.6  | 21.6 | 24.7 | 20.0 | 81.2 |
| Meacham's MX-50W      | 84.3  | 21.8 | 83.8 | 27.0 | 88.0 |
| Stull's 800W          | 91.2  | 22.2 | 37.6 | 17.7 | 81.8 |
| Funk's G-4831         | 91.0  | 23.3 | 18.7 | 5.7  | 64.6 |
| <b>White Average</b>  | 78.2  | 20.9 | 39.9 | 18.7 | 86.2 |
| <b>GRAND AVERAGE</b>  | 86.6  | 19.5 | 29.8 | 17.7 | 88.5 |

Table 24. Annual Summary, High Populations, Princeton and Lexington, Ky.

| Hybrid             | Yield | % Moist | % Lodging |       | %     |
|--------------------|-------|---------|-----------|-------|-------|
|                    | Bu/A  | At Harv | Root      | Stalk | Stand |
| <u>Yellow</u>      |       |         |           |       |       |
| P.A.G. SX48        | 55.7  | 15.3    | 28.2      | 31.1  | 86.7  |
| Stewart Card.S-845 | 67.3  | 16.4    | 19.4      | 26.2  | 82.8  |
| P.A.G. SX31        | 102.0 | 16.7    | 12.3      | 13.4  | 84.9  |
| Stewart Card. SX39 | 67.7  | 16.8    | 6.0       | 16.5  | 89.1  |
| Funk's G-4384      | 96.5  | 16.9    | 6.7       | 19.6  | 88.0  |
| P.A.G. SX52        | 93.0  | 16.9    | 40.0      | 11.8  | 87.2  |
| Pioneer 3564       | 103.9 | 17.4    | 3.4       | 10.5  | 86.7  |
| Pioneer 3542       | 99.6  | 17.7    | 6.2       | 11.5  | 84.4  |
| P.A.G. SX29        | 101.9 | 17.7    | 6.6       | 18.0  | 84.9  |
| Stull's 727        | 87.9  | 18.0    | 3.7       | 19.4  | 79.4  |
| S.S. 720           | 90.4  | 18.2    | 27.7      | 13.3  | 88.5  |
| Dekalb XL346       | 77.6  | 18.3    | 7.4       | 10.8  | 76.3  |
| Dekalb XL45        | 109.2 | 18.3    | 5.2       | 11.2  | 87.8  |
| T-E VR-20-Y        | 92.2  | 18.5    | 18.9      | 11.1  | 84.1  |
| Stewart Card. SX47 | 100.5 | 18.5    | 13.7      | 16.4  | 87.0  |
| Stull's 707        | 104.1 | 18.5    | 28.5      | 7.8   | 90.6  |
| P.A.G. SX17        | 106.2 | 18.5    | 1.0       | 27.1  | 84.4  |
| Dekalb XL342       | 89.9  | 18.5    | 13.0      | 19.3  | 87.5  |
| Funk's G-4595      | 90.0  | 18.6    | 28.8      | 9.6   | 87.0  |
| S.S. 820S          | 87.7  | 18.6    | 32.2      | 13.3  | 90.6  |
| T-E E-20-Y-A       | 85.1  | 18.7    | 10.9      | 10.7  | 85.2  |
| Pioneer 3306       | 107.1 | 18.8    | 4.1       | 13.0  | 79.4  |
| Pioneer 3308       | 99.0  | 18.8    | 8.5       | 8.2   | 81.5  |
| T-E Bonusmaker-S   | 89.7  | 18.8    | 26.9      | 11.0  | 89.5  |
| Pioneer 3369A      | 118.7 | 18.8    | 0.0       | 11.5  | 84.4  |
| Schenk SS-77A      | 79.0  | 18.9    | 14.8      | 17.2  | 88.8  |
| Schenk SS-75A      | 83.4  | 18.9    | 0.0       | 19.9  | 89.1  |
| Stull's 807A       | 90.5  | 19.0    | 19.0      | 8.3   | 85.4  |
| S.S.860            | 79.7  | 19.0    | 31.9      | 21.9  | 85.2  |
| Ky 105             | 80.0  | 19.0    | 4.2       | 21.3  | 84.6  |
| Princeton SX-803   | 99.6  | 19.1    | 1.2       | 11.2  | 86.5  |
| Pioneer 3196       | 100.5 | 19.2    | 1.4       | 21.2  | 84.6  |
| Dekalb XL66        | 110.0 | 19.5    | 16.7      | 7.0   | 90.9  |
| Crib Filler 123    | 94.1  | 19.7    | 14.9      | 13.7  | 82.6  |
| Funk's G-5757      | 95.6  | 19.7    | 5.8       | 10.6  | 88.3  |

(continued)



Table 24 (continued)

| Hybrid             | Yield<br>Bu/A | % Moist<br>At Harv | % Lodged |       | %<br>Stand |
|--------------------|---------------|--------------------|----------|-------|------------|
|                    |               |                    | Root     | Stalk |            |
| Funk's G-4697      | 85.1          | 19.7               | 12.4     | 23.0  | 86.5       |
| Princeton SX-804   | 94.3          | 19.8               | 13.5     | 17.1  | 89.8       |
| Stull's 720        | 105.8         | 19.9               | 10.4     | 12.2  | 84.9       |
| Ky 6514            | 81.8          | 20.0               | 18.9     | 15.6  | 90.6       |
| Meacham's MX-10Y   | 95.9          | 20.1               | 28.8     | 10.6  | 87.5       |
| Crib Filler 66     | 91.5          | 20.2               | 11.7     | 11.4  | 88.5       |
| Funk's G-4761      | 80.8          | 20.2               | 0.3      | 9.0   | 86.2       |
| S.S. 866           | 98.6          | 20.3               | 6.9      | 13.4  | 86.5       |
| Crib Filler 105    | 104.1         | 20.5               | 8.8      | 5.6   | 84.0       |
| Dekalb XL85        | 101.1         | 20.7               | 5.5      | 9.0   | 84.4       |
| P.A.G. SX99        | 79.6          | 22.3               | 8.9      | 14.0  | 93.2       |
| Yellow Average     | 92.5          | 18.8               | 12.9     | 14.5  | 86.2       |
| <u>White</u>       |               |                    |          |       |            |
| Ky 5921W           | 96.6          | 19.0               | 26.3     | 15.0  | 84.9       |
| Stull's 500WC      | 84.2          | 19.1               | 19.7     | 18.2  | 85.7       |
| S.S. 935W          | 95.2          | 19.5               | 18.6     | 12.5  | 87.0       |
| Crib Filler 183W   | 86.3          | 19.5               | 31.2     | 17.1  | 85.9       |
| T-E M-20W          | 88.5          | 19.9               | 23.5     | 21.6  | 90.4       |
| Dekalb 999W        | 99.3          | 20.0               | 30.7     | 16.6  | 84.0       |
| W.O.King & Son K60 | 89.0          | 20.0               | 22.4     | 23.7  | 85.4       |
| Schenk S-96W       | 75.8          | 20.1               | 14.8     | 12.8  | 87.8       |
| Princeton 920-A    | 91.5          | 20.3               | 20.0     | 17.6  | 83.9       |
| Princeton 990-B    | 79.8          | 20.4               | 12.4     | 21.8  | 83.6       |
| P.A.G. SX80        | 93.2          | 20.5               | 1.2      | 11.6  | 84.9       |
| Funk's G-5830W     | 77.9          | 20.6               | 1.4      | 22.4  | 86.5       |
| Meacham's MX-75W   | 71.1          | 20.7               | 20.6     | 7.0   | 91.4       |
| Pioneer 511A       | 86.6          | 21.0               | 16.6     | 16.9  | 87.5       |
| Meacham's MX-50W   | 85.9          | 21.0               | 42.2     | 17.9  | 88.0       |
| Dekalb XL390W      | 92.3          | 21.1               | 29.6     | 16.4  | 88.0       |
| Stull's 800W       | 85.8          | 21.9               | 18.8     | 13.6  | 80.5       |
| Funk's G-4831      | 98.3          | 22.3               | 9.4      | 7.8   | 73.2       |
| White Average      | 87.6          | 20.4               | 20.0     | 16.1  | 85.5       |
| GRAND AVERAGE      | 91.1          | 19.2               | 14.9     | 14.9  | 86.0       |

Table 25. Maize Dwarf Mosaic Virus Test, Normal Population, Frankfort and Vanceburg, Ky. \*

| Hybrid             | MDM  | Virus | Rating | 1967 Yield |
|--------------------|------|-------|--------|------------|
|                    | 1968 | 1967  | 1966   | Bu/A       |
| <u>Yellow</u>      |      |       |        |            |
| Funk's G-4761      | 3.0  |       |        |            |
| P.A.G. SX17        | 3.2  |       |        |            |
| S.S. 866           | 4.0  | 1.7   | 3.2    | 108.1      |
| Ky 105             | 4.2  | 1.2   | 2.8    | 98.5       |
| Funk's G-5757      | 4.2  |       |        |            |
| Pioneer 3306       | 4.8  | 4.2   |        | 56.7       |
| Pioneer 3369A      | 5.2  |       |        |            |
| T-E VR-20-Y        | 5.2  | 3.0   |        | 71.7       |
| Funk's G-4384      | 5.3  |       |        |            |
| Princeton SX-804   | 5.3  | 3.3   | 5.5    | 60.3       |
| Stull's 720        | 5.3  |       |        |            |
| Stewart Card. SX47 | 5.7  | 4.6   |        | 51.8       |
| Meacham's MX-10Y   | 5.8  |       |        |            |
| Stull's 807A       | 5.8  | 5.1   |        | 46.2       |
| Crib Filler 105    | 6.0  | 4.7   |        | 68.3       |
| Pioneer 3308       | 6.0  |       |        |            |
| Schenk SS-75A      | 6.2  |       |        |            |
| Ky 6514            | 6.2  |       |        |            |
| P.A.G. SX99        | 6.3  |       |        |            |
| Stull's 707        | 6.3  |       |        |            |
| P.A.G. SX29        | 6.3  |       |        |            |
| S.S. 720           | 6.5  |       |        |            |
| T-E E-20-Y-A       | 6.5  | 5.0   | 6.8    | 30.4       |
| S.S. 820S          | 6.5  | 5.0   | 7.0    | 30.5       |
| Crib Filler 66     | 6.5  | 5.0   | 8.0    | 30.2       |
| Dekalb XL342       | 6.5  |       |        |            |
| S.S. 860           | 6.7  | 4.2   | 5.5    | 60.6       |
| Dekalb XL85        | 6.7  |       |        |            |
| Pioneer 3564       | 6.8  |       |        |            |
| Dekalb XL66        | 6.8  |       |        |            |
| Princeton SX-803   | 7.0  | 4.7   | 7.0    | 34.3       |
| Stull's 727        | 7.0  |       |        |            |
| Schenk SS-77A      | 7.0  | 5.7   |        | 40.9       |
| Funk's G-4697      | 7.0  |       |        |            |
| Funk's G-4595      | 7.0  |       |        |            |

(continued)



Table 25 (continued)

| Hybrid              | MDM  | Virus | Rating | 1967 Yield |
|---------------------|------|-------|--------|------------|
|                     | 1968 | 1967  | 1966   | Bu/A       |
| P.A.G. SX31         | 7.2  |       |        |            |
| Stewart Card. SX39  | 7.2  |       |        |            |
| Pioneer 3196        | 7.2  | 5.4   |        | 53.7       |
| Crib Filler 123     | 7.5  | 6.4   |        | 21.1       |
| Dekalb XL346        | 7.5  |       |        |            |
| Pioneer 3542        | 7.5  |       |        |            |
| Dekalb XL45         | 7.7  |       |        |            |
| P.A.G. SX52         | 7.8  |       |        |            |
| T-E Bonusmaker-S    | 8.0  | 6.0   |        | 24.5       |
| Stewart Card. S-845 | 8.2  |       |        |            |
| P.A.G. SX48         | 8.3  |       |        |            |
| Yellow Average      | 6.3  | 4.4   | 5.7    | 52.2       |
| <u>White</u>        |      |       |        |            |
| Pioneer 511A        | 3.8  |       |        |            |
| Funk's G-4831       | 4.2  |       |        |            |
| Dekalb 999W         | 4.3  |       |        |            |
| Stull's 500W        | 4.3  |       |        |            |
| Ky 5921W            | 4.3  | 3.0   | 4.5    | 85.4       |
| S.S.935W            | 4.5  | 3.4   |        | 101.4      |
| Princeton 990-B     | 4.5  |       |        |            |
| Princeton 920-A     | 4.7  | 2.5   | 4.5    | 100.6      |
| Meacham's MX-75W    | 4.7  | 3.6   |        | 111.0      |
| Schenk S-96W        | 4.8  | 2.5   | 4.8    | 105.5      |
| Corn Filler 183W    | 5.0  | 3.7   | 4.8    | 81.5       |
| Stull's 800W        | 5.2  | 4.2   | 5.5    | 65.8       |
| T-E M-20W           | 5.2  | 2.5   | 6.0    | 106.9      |
| W.O. King & Son K60 | 5.3  |       |        |            |
| P.A.G. SX80         | 5.3  |       |        |            |
| Funk's G-5830W      | 5.7  |       |        |            |
| Dekalb XL390W       | 5.8  |       |        |            |
| Meacham's MX-50W    | 6.5  |       |        |            |
| White Average       | 4.9  | 3.2   | 5.1    | 94.8       |
| GRAND AVERAGE       | 5.9  | 4.0   | 5.4    | 65.8       |

\* 1966 at Vanceburg, Ky.  
 1967 and 1968 at Frankfort, Ky.

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