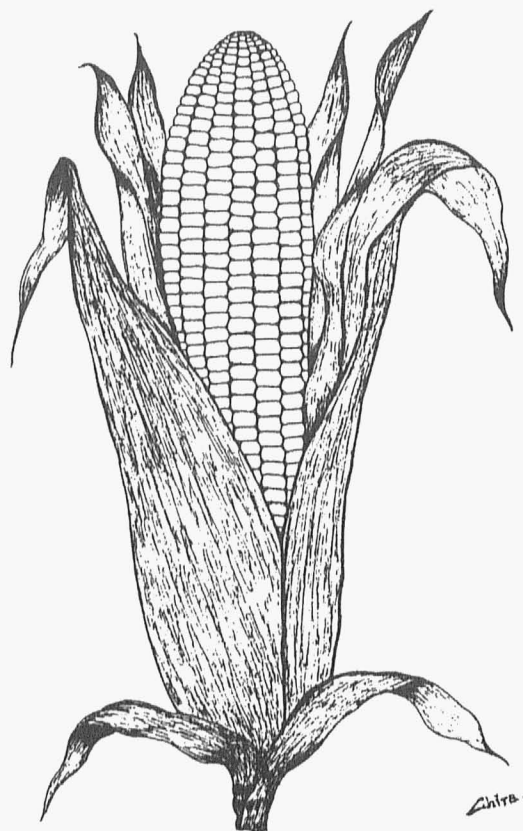


WHITE FOOD CORN

1995 Performance Test



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INTRODUCTION

The 1995 White Food Corn Performance Test (WFCPT) included 54 white hybrids, one white and three yellow hybrid checks submitted by 20 commercial seed producers and the University of Tennessee (Table 1). Twenty-two white hybrids were new to the test in 1995. Thirteen locations were planted in the agronomic evaluation. Data were received from locations in Illinois, Indiana, Kansas, Kentucky, Missouri, Tennessee, and Texas. Data from Novelty, MO; Union City, TN; and Springlake, TX (grain quality samples from Springlake were used), were not included in the final analysis. First and second generation European corn borer (*Ostrinia nubilalis* Hübner) data were observed at Grand Pass, MO. European corn borer evaluation plots at Novelty, MO, were discarded. Grain samples were evaluated for quality by L. W. Rooney at Texas A & M University and under contract by the Illinois Crop Improvement Association, Inc.

The 1995 Early White Food Corn Performance Test (EWFCPT) included 66 white hybrids and two yellow hybrid checks. Entries were submitted by 23 commercial seed producers and Purdue University (Table 1). Twenty-eight white hybrids were new to the test in 1995. Ten locations were planted in Illinois, Indiana, Iowa, Nebraska, and Tennessee. The test planted at Lebanon, IN, was abandoned. First and second generation European corn borer (*Ostrinia nubilalis* Hübner) data were observed at Grand Pass, MO. European corn borer plots at Novelty, MO were discarded. Grain samples were evaluated for quality by L. W. Rooney at Texas A & M University and under contract by the Illinois Crop Improvement Association, Inc.

ENTRIES AND SEED SOURCES

Contributors of seed for the 1995 evaluations are listed in Table 1. Those entries that have an EXP as part of the hybrid name, such as DeKalb Genetics EXP566W¹, have not been released. The last hybrids in each table are yellow or white kernel hybrid checks.

For averages over years, entry names have been changed to current designations, so that an experimental hybrid from an earlier year is now identified as the released hybrid. Where a previously entered hybrid was entered by a new company in 1995, changes have been made to prior naming so the hybrid appears in the summaries over years (if continuously entered). Changes affecting the 1995 tests follow: Pioneer Brand 3203W was released from Pioneer Brand X1183WB and Pioneer Brand 3443W was released from Pioneer Brand X1083WA. Sturdy Grow SG731W was released from the experimental Sturdy Grow EXP 731W and Sturdy Grow SG765W was released from Sturdy Grow EXP 765W. Vineyard V414W was released from Vineyard Vx4143W and Vineyard V448W was the commercial release of Vineyard Vx4483W.

Seed of the white hybrid check (K55 × CI66)FR802W came from Mr. R. L. Lundquist, Illinois Foundation Seeds, Inc., Champaign, IL. The yellow hybrid checks Pioneer Brand 3245 and 3394 were

¹ Mention of a trademark or proprietary product does not constitute a guarantee, warranty, or recommendation of the product by the U.S. Department of Agriculture or the University of Missouri and does not imply its approval to the exclusion of other products that may also be suitable.

contributed by Dr. C. T. Cunyngham, Pioneer Hi-Bred International, Windfall, IN.

LOCATIONS AND AGRONOMIC PRACTICES

Table 2 lists the locations of the WFCPT and EWFCPT from which acceptable data were returned, together with a record of the agronomic practices. Note that tests at Topeka, KS; Clay Center and Gothenburg, NE; and College Station, TX, were irrigated. Partial irrigation may have been used elsewhere.

Figure 1 shows map locations where tests were planted.

DATA COLLECTED

Yield

Yields were measured on a plot basis, converted to bushels per acre (54 lb bu/a), and adjusted to 15.5% moisture. No adjustment for plot stand was done.

Stand

Stand is expressed as a percentage of the optimum plot stand or planted stand.

Root and stalk lodging

Lodging is expressed as a percentage of the total plants for each hybrid. Generally, a plant was rated as root lodged if it leaned more than 30° from vertical, and as stalk lodged, if it was broken at or below the ear node. Breakage above the ear was not counted.

Ear height

Ear height was measured from the soil level to the top ear leaf collar. Heights are expressed in inches.

Days to flowering

The number of days from planting to mid-tassel or mid-silk is shown. Depending on weather conditions, the total number of days from planting to physiological maturity might be taken as 1.6 to 1.8 times the number of days to flowering.

Grain moisture

Grain moisture was measured at harvest or when the grain was weighed.

European corn borer

Leaf feeding by the first generation of the European corn borer was rated in nine classes. A score of 1 represented no feeding and 9 represented extensive damage. Plants in each plot were infested with about 120 larvae during the whorl stage of plant development. Ratings for leaf feeding were made three weeks later.

Feeding by the second generation of the European corn borer was determined by splitting stalks of five randomly infested plants per plot, counting the number of tunnels, and visually estimating the length of tunneling in inches. The minimum tunnel length associated with one hole was 1 inch. About 120 larvae were applied at flowering, and stalks were split six or more weeks later.

Environmental yield response (b_1) and standard deviation of fit

These statistics are shown in Table 13 for the entry means combined over all locations for the 1995 WFCPT and in Table 30 for the EWFCPT. The yield response (b_1) is expressed as bu/a/unit increase in the environmental index (I), where the index for a location is the average performance of all hybrids at the location. The deviation of fit is given in bu/a. The origin and use of these statistics are fully described later.

Test weight

Bulk density was determined by measuring the weight of a pint of grain and converting that weight to pounds per bushel (Illinois Crop Improvement Association).

100-kernel weight

Weight of 100 whole, cleaned kernels was measured in grams (Illinois Crop Improvement Association).

Kernel size

Kernel size was determined using alcohol displacement and expressed in cc (Illinois Crop Improvement Association).

Thins

Thins were obtained by determining the percent of a 250-kernel sample that passed through a 20/64" round-hole sieve using 30 back-and-forth cycles on a Gamet shaker (Illinois Crop Improvement Association).

Density

Density was determined using a helium gas pycnometer and expressed in g/cc (Illinois Crop Improvement Association).

Percentage horny endosperm

The percentage horny endosperm was visually estimated using a candling light. Fifteen kernels per entry per location were evaluated (Illinois Crop Improvement Association).

Pericarp removal

Pericarp removal values relate to alkaline cooking quality where relatively easy removal of the

pericarp is highly desirable. Corn pericarps that are easily removed require less time to cook and product quality is improved. The pericarp of all corn kernels can be eventually removed by extensive lime cooking, but the dry matter losses are much higher.

The pericarp removal test was conducted by cooking 10 g of corn in nylon bags in a steam kettle containing 167 g of lime in 50 L of water. Samples were cooked for 20 min at the boiling point. The samples were then washed and stained with eosine and methyl blue solution. The pericarp stains a blue-green color while the endosperm stains a light green color. Each sample was then rated on a scale in which 1 represented complete removal and 5 represented no removal (Texas A & M University).

STATISTICAL ANALYSES AND INTERPRETATIONS

Data from the WFCPT and EWFCPT were analyzed as a three-replication, randomized-complete-block-design experiment at each location. If an observation was missing in one replication, the average of those observations in the remaining replications was used to approximate the missing observation. The least significant differences at probability level 0.05 (LSD 0.05) and coefficients of variation percentages (CV%) were calculated from the location analyses of variance (AOV). Where differences among hybrids were not significant for a character, no LSD or CV% is shown. Where data were missing or observed in only one or two replications; a footnote is used to identify those situations.

The LSD 0.05 is used to compare the performance of two specific hybrids at a time. It should not be used, however, to compare all pairs of hybrids. If the mean of hybrid "X" exceeds the mean for hybrid "Y" by the LSD 0.05 or more, the difference observed is a true difference in 19 out of 20 instances when the two hybrids are grown under conditions like those of the test.

The CV% relates error of measurement and the mean of the observed character. Values of the CV% for root and stalk lodging are sometimes much higher than for other characters and are generally associated with nonsignificant differences among hybrids.

Agronomic data combined from 10 locations of the 1995 WFCPT with an appropriate LSD 0.05 for each character are shown in Table 13. Table 30 gives combined results for the 1995 EWFCPT. The combined LSD 0.05 is based on the entries \times locations interaction versus the pooled error from the combined AOV. When a character was not observed at a location, dots show in the location analysis; the combined mean and LSD 0.05 have been adjusted accordingly.

Stability analysis gives information on the responsiveness of hybrids to changes in environment and the reliability with which these responses may be predicted. Mean performance of all hybrids at a location was the measure used to rate the environment. This environmental index (I) was then used as the independent variable in a regression analysis with the individual hybrid's performance at each location. A hybrid that is stable will have a regression coefficient (b_1) equal to 1.0, which means that an increase in the environmental index would result in an equal increase in the hybrid's yield. Regression coefficients greater than 1.0 indicate relatively better performance in good environments. Hybrids with b_1 values less than 1.0 would have a relative advantage in poor environments.

Deviation from fit reflects the accuracy with which the regression line given by b_1 represents

probable performance. Low deviation indicates that a hybrid has greater stability.

Overall, a desirable hybrid would have a high mean yield, b_1 near 1.0, and low deviation from fit. If a grower knew he or she was producing on the high side of the environments sampled, then a hybrid with b_1 greater than 1.0 would be more responsive than one with $b_1 = 1.0$, and would be likely to yield more if mean yield levels were equivalent. Conversely, if a grower knew he or she was producing on the low side of the environments sampled, then a hybrid with b_1 less than 1.0 would be less influenced by environment than one with $b_1 = 1.0$, and would be likely to yield more if mean yield levels were equivalent.

NARRATIVE SUMMARY

1995 White Food Corn Performance Test

Yields from individual locations ranged from 92.4 bu/a at Knoxville, TN, to 194.7 bu/a at College Station, TX. The overall average for 10 locations was 137.9 bu/a compared to 178.2 bu/a in 1994. The 1994 mean yield was the highest obtained since the WFCPT began in 1977. Late plantings (West Lafayette, IN, and Columbia, MO, were both planted in June, Table 2) and a cool, wet spring limited yield potentials.

Plot stands averaged 97.1% and all locations exceeded 93%, which is excellent. No adjustment of yield for plot stands was done.

Root lodging was near zero (0.5% average) with the highest amount occurring at Champaign, IL (1.5%). Stalk lodging averaged 2.1% with Columbia, MO (9.0%), having significantly more than other locations. Both root and stalk lodging averages were among the lowest observed in this test.

The number of days to flowering was recorded at five locations. A 17.8-day spread was observed, ranging from 69.2 days at Columbia, MO, to 87.0 days at Topeka, KS. Low grain moisture percentages can be observed where plots were harvested and dried before shelling and weighing, but most locations were combine harvested. Details of individual location data are in Tables 3 to 12 with the combined data in Table 13. Yield data from all 10 locations are given in Table 14.

Combined agronomic data from 10 locations (Table 13)

Five white hybrids and one yellow check yielded significantly more than the mean for all entries (137.9 bu/a): Cargill X7510W (160.3 bu/a), the yellow check Pioneer Brand 3245 (160.0 bu/a), Cargill X7511W (156.5 bu/a), IFSI 94-3 (151.0 bu/a), Zimmerman Z64W (149.6 bu/a), and Sturdy Grow SG797W (149.3 bu/a). The widely grown yellow check Pioneer Brand 3394 yielded 148.6 bu/a.

Five entries yielded significantly less than the mean of all entries: Wilson E954003 (114.8 bu/a), Wilson E954004 (116.4 bu/a), Pioneer Brand 3287W (125.6 bu/a), Genetic Resources GRI94181 (111.4 bu/a), and the white check (K55 × CI66)FR802W (82.9 bu/a). The entries × locations interaction was significant, indicating different entry responses in different environments.

Plot stands were excellent and averaged almost 97.1%. Only the stand for the white check (K55 × CI66)FR802W (83.4%) was significantly lower than the average of all entries.

Root lodging was low, averaging 0.5%. Entries having significantly more root lodging than the

average entry included the white check (K55 × CI66)FR802W (2.7%), Zimmerman Z64W (2.2%), and Genetic Resources GRI94181 (1.7%). Values this low over the seven locations with data, however, are completely acceptable. Stalk lodging averaged 2.1% for all entries. No entry had significantly less stalk lodging than the mean, but DeKalb Genetics 739W and Pioneer Brand 3287W both were less than 1%. Four entries had stalk lodging means exceeding that of the average entry: ICI Seeds 8320W (4.6%), Genetic Resources GRI94181 (4.5%), Whisnand 95W (4.3%), and the white check (K55 × CI66)FR802W (4.1%). Even these values, though statistically significantly different, are acceptable.

Nine white hybrids and two yellow check hybrids had ear heights significantly below the mean for all entries (43.7 inches): DeKalb Genetics 739W (34.5 inches), Asgrow X940481W (34.7 inches), DeKalb Genetics 742W (35.0 inches), DeKalb Genetics EXP566W (36.9 inches), Triumph 1910W (39.8 inches), Golden Harvest H-2633W (39.9 inches), the yellow check Pioneer Brand 3245 (40.0 inches), Vineyard V442W (40.3 inches), Pioneer Brand 3287W (40.9 inches), the yellow check Pioneer Brand 3394 (41.0 inches), and IFSI 94-3 (41.2 inches). Ten hybrids' ear heights were more than one LSD above the mean for all entries. The white check (K55 × CI66)FR802W (48.6 inches) and Genetic Resources GRI94181 (48.7 inches) had ear heights that were two LSDs above the mean for all entries.

Nine white hybrids and two yellow check hybrids had a significantly lower number of days to flower (earlier) than the 77.0-day mean for all entries: Pioneer Brand 3287W (74.5 days), DeKalb Genetics 739W (75.2 days), the yellow check Pioneer Brand 3394 (75.2 days), Asgrow X940481W (75.3 days), Cargill X7510W (75.3 days), Golden Harvest H-2633W (75.5 days), DeKalb Genetics EXP566W (75.5 days), DeKalb Genetics 742W (75.5 days), the yellow check B73 × Mo17 (75.8 days), Vineyard V442W (75.9 days), and IFSI 90-4 (75.9 days). Relatively later flowering hybrids included the white check (K55 × CI66)FR802W (81.3 days), Wilson E954003 (80.3 days), Genetic Resources GRI94181 (80.1 days), Genetic Resources GRI94185 (79.3 days), Wilson E954004 (79.1 days), Zimmerman Z64W (78.9 days), Whisnand 95W (78.3 days), Zimmerman Z70W (78.3 days), Zimmerman Z62W (78.1 days), and Pioneer Brand 3203W (78.1 days). Because the WFCPT is grown primarily in the southern Corn Belt, some earlier maturity hybrids may be at a yield disadvantage in not using the full growing season.

Differences in grain moisture measured during early-season combine harvesting may be reduced when averaged with moistures after prolonged field or uniform drying. Grain moistures ranged from 16.1% for the yellow check Pioneer Brand 3394 to 23.0% for Asgrow X940481W with an overall average of 19.4%. Eleven white hybrids and three yellow hybrid checks had grain moistures that were significantly less than the mean for all entries: the yellow check Pioneer Brand 3394 (16.1%), the yellow check B73 × Mo17 (16.6%), the yellow check Pioneer Brand 3245 (16.9%), Cargill X7510W (17.2%), Zimmerman Z62W (17.4%), DeKalb Genetics EXP567W (17.6%), Cargill X7511W (17.7%), Trisler T-93W2 (17.8%), Sturdy Grow SG765W (17.8%), Hoegemeyer X581W (17.9%), DeKalb Genetics EXP566W (18.0%), Bo-Jac 523W (18.1%), Pioneer Brand 3287W (18.2%), and IFSI 90-1 (18.2%).

Three white hybrids (Cargill X7510W, DeKalb Genetics EXP566W, Pioneer Brand 3287W) and two yellow check hybrids (Pioneer Brand 3394 and B73 × Mo17) had both number of days to flower and grain moisture that were significantly below the means for all entries. The range of days to flower and

grain moistures observed indicate that seed producers are offering a range of maturities in white hybrids.

The environmental response coefficients (b_I) and standard deviations of fit are shown in the last two columns of Table 13. (A difference of ± 0.07 from 1.00 is necessary for significance. The LSD should be used when comparing coefficients of two hybrids.) Twenty-one white hybrids had b_I s that were significantly greater than 1.00, indicating greater than average response to better environmental conditions, but poor performance in adverse environments. Seventeen white hybrids, the white check (K55 \times CI66)FR802W, and the yellow check hybrids B73 \times Mo17 and Pioneer Brand 3394 had environmental responses that were significantly less than 1.00.

IFSI 94-3 (151.0 bu/a, $b_I = 1.20$ bu/a/I) had a significantly higher yield than the average entry and a b_I that was significantly greater than 1.0. Other hybrids that yielded above 145 bu/a and that had a b_I significantly greater than 1.0 included Zimmerman Z64W (149.6 bu/a, $b_I=1.25$ bu/a/I), Pioneer Brand 3203W (148.4 bu/a, $b_I=1.16$ bu/a/I), Sturdy Grow SG777W (146.3 bu/a, $b_I=1.17$ bu/a/I), Trisler T-93W2 (146.0 bu/a, $b_I=1.12$ bu/a/I), and ICI Seeds 8317W (145.0 bu/a, $b_I=1.21$ bu/a/I). These would be good selections when a favorable environment was anticipated.

Usually, low responsiveness is associated with low mean yields. Exceptions are occasionally found that are high yielding and have a low b_I . Examples in this year's test include Cargill X7510W (160.3 bu/a, $b_I=0.88$ bu/a/I), the yellow check Pioneer Brand 3394 (148.6 bu/a, $b_I=0.80$ bu/a/I), and IFSI 90-4 (147.5 bu/a, $b_I=0.90$ bu/a/I). This type of response would be desirable where adverse conditions were frequently encountered.

The standard deviations of fit varied for similar environmental response coefficients. For example, the yellow check Pioneer Brand 3245 (160.0 bu/a, $b_I=1.00$ bu/a/I) and Wilson E954003 (114.8 bu/a, $b_I=1.00$ bu/a/I) had standard deviations of 6.1 and 27.5 bu/a, respectively. The yellow check Pioneer Brand 3245 would be expected to be a more predictable performer in response to varied environments than Wilson E954003.

In choosing a hybrid, all agronomic factors must be considered in relation to the anticipated environment. Data from several locations are usually more reliable than data from a single location evaluated for two or three years.

European corn borer susceptibility data for the 1995 WFCPT (Table 15)

First-generation leaf-feeding ratings were obtained at Grand Pass, MO. The planting at Novelty, MO, was infested, but subsequently discarded. Significant differences were found among entries. No entry was significantly better than the mean of all entries (3.2 rating). NC+ 7248W (5.0 rating) and one susceptible check for European corn borer, Ki3 (5.0 rating), were more susceptible to leaf-feeding damage than the average entry. Thirty entries had ratings for first-generation damage of 3.0 or less.

Significant differences among entries were also found for second-generation stalk-feeding data that were obtained at Grand Pass, MO. The yellow check Pioneer Brand 3394 (0.6 tunnels) had significantly fewer tunnels than the average entry, and Vineyard V442W, Pioneer Brand 3287W, and Vineyard V448W had 1.0 or fewer tunnels per plant. Vineyard V442W (0.8 inches) had significantly

less tunneling than the average for all entries. Two other entries had tunnel lengths of 1.0 inches or less: the yellow check Pioneer Brand 3394 (0.9 inches) and Pioneer Brand 3287W (1.0 inches). Three entries had significantly more tunnels than average, and of those, TN 95-1 had an average tunnel length greater than the average entry: TN 95-1 (3.4 tunnels, 4.3 inches), the yellow check B73 × Mo17 (3.3 tunnels, 3.8 inches), and Vineyard V58W (3.2 tunnels, 3.9 inches).

Two-, three-, four-, and five-year mean yields and agronomic performance (Tables 16 to 19)

Data were summarized for common entries in the last two, three, four, and five years of the WFCPT. Individual year means were averaged without weighting for the varying numbers of locations over the years when they differed. For the past five years, the number of locations with acceptable data ranged from 10 for 1995 to 12 for 1991-1994. Approximate values of 8 bu/a for the two-year means, 6 bu/a for the three-year means, 5.5 bu/a for the four-year means, and 5 bu/a for the five-year means could be used to compare yields of individual entries in the respective tables.

Among the hybrids included in the 1991 to 1995 tests (five-year means), the yellow check Pioneer Brand 3245 (170.6 bu/a), Northrup King N7580W (159.4 bu/a), Sturdy Grow SG798W (156.8 bu/a), and Pioneer Brand 3281W (156.5 bu/a) could be judged to yield significantly more than the average of other entries (151.5 bu/a). Relatively poorer performing over this period was DeKalb Genetics 739W (144.5 bu/a) and the white check (K55 × CI66)FR802W (126.0 bu/a).

For the four-year means, the yellow check Pioneer Brand 3245 (174.4 bu/a), ICI Seeds 8320W (164.6 bu/a), Northrup King N7580W (164.3 bu/a), Cargill 8097W (164.1 bu/a), Whisnand 51AW (163.1 bu/a), and Sturdy Grow SG798W (161.8 bu/a) would be judged above average. The yellow check Pioneer Brand 3245 yielded significantly more than any other entry in the five- and four-year means. Lower yielding than the average for all entries in the four-year means were Pioneer Brand 3287W (146.7 bu/a), DeKalb Genetics 739W (146.7 bu/a), DeKalb Genetics 742W (145.3 bu/a), and the white check (K55 × CI66)FR802W (129.6 bu/a).

Kernel quality evaluation of entries in the 1995 White Food Corn Performance Test (Table 20)

Milling quality of entries in the 1995 WFCPT was evaluated by the Illinois Crop Improvement Association, Inc. and Texas A & M University. Target values are a kernel weight of 37 g or more per 100 kernels, density equal to or exceeding 1.20 g/cc, and 90% or more horny endosperm. Significant differences among entries were found for all seven quality traits measured.

No hybrid exceeded the target value of 37 g/100 kernels and the mean for 1995 was only 30.6 g. Three hybrids had kernel weights significantly greater than the mean for all entries: DeKalb Genetics DK703W (34.2 g), Genetic ResourcesGRI94181 (33.7 g), and TN95-1 (33.6 g). Low 100-kernel weights are a reflection of lower yields experienced in 1995 and a trend towards smaller, more dense kernels. All hybrids and checks in the test had grain densities greater than or equal to 1.3 g/cc. DeKalb Genetics EXP566W (91%), IFSI 95-1 (90%), Pioneer Brand 3287W (90%), and Wilson E954004 (90%) met the desired 90% horny endosperm criterion. Seven hybrids had 89% horny endosperm, four had

88%, and three had 86%. It is possible that the Illinois Crop Improvement Association laboratory differs from The Quaker Oats Company, Barrington, IL, laboratory (original source of the 90% horny endosperm criterion) in judging this trait and that a lower target value reflecting current data would be acceptable to most processors.

1995 Early White Food Corn Performance Test

Yields in the EWFCPT ranged from 117.6 bu/a at Clay Center, NE, to 163.4 bu/a at Wanatah, IN, with an overall average for eight northern locations of 133.3 bu/a. This contrasts to the average yield of 180.0 bu/a in 1994, which was a record high for this test. Stands averaged 92.9% overall, ranging from 86.5% at Clay Center, NE, to 99.8% at St. Joseph, MO. Covariance adjustment of yield for stand was not done for 1995 data.

Root lodging averaged 1.8% at seven northern locations, ranging from 0.0% at Galesburg, IL, and Marion, IA, to 6.6% at Clay Center, NE. Five locations were under 1.4% and three locations had less than 0.4%. Stalk lodging ranged from 0.2% at Champaign, IL, to 16.1% at Clay Center, NE, averaging 6.5% for the seven northern locations with data.

Days to flowering were recorded only at Marion, IA, where the mean was 71.0 days. Harvest grain moistures averaged 19.3%. The Clay Center, NE, location had 15.0% moisture at harvest, while Gothenburg, NE, had 24.1% grain moisture at harvest.

Twenty-six white hybrids and the yellow checks B73 × Mo17 and Pioneer Brand 3394 were grown in both the WFCPT and EWFCPT. Further testing will determine the appropriate environments for testing each hybrid. There will be hybrids, however, that are intermediate to the maturity zones of the two tests and will continue to be entered in both tests.

The test was also grown at Knoxville, TN (Table 29), but data were not included in the combined analysis of the northern locations. Individual location data are shown in Tables 21 to 29 with the combined data in Table 30. Yield data from the eight northern locations are given in Table 31.

Combined agronomic data from eight northern locations (Table 30)

The average yield from eight northern locations was 133.3 bu/a compared to 180.0 bu/a in 1994 and 126.5 bu/a in 1993. Three white hybrids and one yellow check yielded significantly more than the mean of all entries (133.3 bu/a): Cargill X7513W (153.4 bu/a), Cargill X7512W (151.6 bu/a), the yellow check Pioneer Brand 3394 (147.7 bu/a), and Sturdy Grow SG765W (146.2 bu/a). Ten white hybrids and two yellow checks could not be statistically differentiated (yielded 140.5 bu/a or more) from Cargill X7513W. Included among entries that yielded significantly less than the average of all entries were Pioneer Brand X1134WG (114.1 bu/a), Purdue H126W/FR819W (116.2 bu/a), and LG Seeds NB739W (117.4 bu/a).

Differences among hybrids for stand percentage were relatively small. No entry was significantly better than the mean of all entries as that required an average stand of 97.5%. Only Pioneer Brand X1134WG (85.0%) had a significantly lower stand percentage than the mean for all entries.

Differences among entries for root and stalk lodging were significant. Forty-eight entries had less than 2% root lodging, but with an LSD of 3.1% and a mean of 1.8%, nothing could be significantly less than the mean for all entries. Significantly worse for root lodging than the average entry were LG Seeds NB710W (6.9%) and Cargill X7512W (5.5%). For stalk lodging, no entry was better than the mean for all entries (required 0.9% or less). Two entries had significantly greater amounts of stalk lodging than the average entry: Cargill X7512W (14.4%) and Cargill X7513W (13.0%).

Ear heights ranged from 35.5 inches for DeKalb Genetics 742W to 53.3 inches for Trisler T-95W1. Thirteen white hybrids and one yellow check were more than one LSD below the average of all entries: DeKalb Genetics 742W (35.5 inches), LG Seeds NB742W (36.3 inches), LG Seeds NB739W (36.5 inches), DeKalb Genetics 555W (37.1 inches), Sturdy Grow SG731W (38.4 inches), LG Seeds NB571W (38.6 inches), DeKalb Genetics EXP566W (38.6 inches), Hoegemeyer 1142W (41.9 inches), Vineyard V453W (42.0 inches), the yellow check Pioneer Brand 3394 (42.2 inches), Vineyard V438W (42.6 inches), Vineyard V449W (43.0 inches), Vineyard V414W (43.1 inches), and Pioneer Brand 3463W (43.4 inches). Seventeen white hybrids were significantly taller than the average entry.

The number of days to flowering was recorded only at Marion, IA. These data, however, together with grain moisture, give an indication of entries that are relatively late or early maturing in this test. Entries that were significantly earlier flowering and had significantly lower grain moisture than the average entry were Pioneer Brand 3463W (67.7 days, 16.5%), Pioneer Brand 3443W (67.7 days, 16.5%), DeKalb Genetics 555W (67.7 days, 16.7%), LG Seeds NB710W (68.7 days, 18.2%), LG Seeds NB571W (69.0 days, 16.7%), DeKalb Genetics EXP566W (69.3 days, 18.3%), and Purdue H126W/FR819W (69.3 days, 17.1%). Twenty-one white hybrids had moistures significantly exceeding the mean of 19.3% at harvest. Of these, Hoegemeyer 1142W (25.0%) was significantly wetter at harvest than any other entry.

The environmental response coefficients (b_1) and standard deviations of fit for the EWFCPT are shown in the last two columns of Table 30. (A difference of ± 0.21 from 1.00 is necessary for significance. The LSD should be used when comparing coefficients of two hybrids.) Twenty-one white hybrids had b_1 s that were significantly greater than 1.00, indicating greater than average response to better environmental conditions, but poor performance in adverse environments. Of these, Cargill X7513W (153.4 bu/a, $b_1=1.24$ bu/a/I) and AgriGold XA3302W (145.7 bu/a, $b_1=1.28$ bu/a/I) had mean yields over 145 bu/a and a high b_1 . These hybrids would be very responsive in good environments.

Nineteen white hybrids and one yellow check had environmental responses that were significantly less than 1.00. Usually, low response is associated with low mean yields. Hybrids can usually be found, however, that have high mean yield and that are less responsive to improved environments: yellow check Pioneer Brand 3394 (147.7 bu/a, $b_1=0.40$ bu/a/I) and Asgrow X757920W (140.3 bu/a, $b_1=0.52$ bu/a/I). Response of such hybrids as these, in particular, would be desirable where adverse conditions were frequently encountered.

The standard deviations of fit varied for similar environmental response coefficients. For example, Cargill X7513W (153.4 bu/a, $b_1=1.24$ bu/a/I) and Merschman M-3114W (134.4 bu/a, $b_1=1.24$ bu/a/I) had standard deviations of 8.3 and 18.9 bu/a, respectively. Cargill X7513W would be expected to be a more

predictable performer in response to varied environments than Merschman M-3114W.

European corn borer susceptibility data for the 1995 EWFCPT (Table 32)

First generation leaf-feeding ratings were obtained at Grand Pass, MO. The planting at Novelty, MO, was infested, but subsequently discarded. Significant differences were not found among entries, but 36 hybrids rated 3.0 or less, indicating resistance to first-generation damage.

Second generation stalk-feeding data were also obtained at Grand Pass, MO. No entry was significantly better than the mean for tunnel number or tunnel length. Thirty-four hybrids with less than 1.0 tunnels and less than 1.6 inches of tunneling would fall into the resistant category under conditions of this evaluation.

Two-, three-, four-, and five-year mean yields and agronomic performance (Tables 33 to 36)

Data were summarized for the last two, three, four, and five years of the EWFCPT. Year means were averaged without weighting for the varying numbers of locations over the years. For the past five years, the number of locations with acceptable data has ranged from four in 1992 to eight in 1995. Although an LSD cannot be directly calculated, approximate values of 11 bu/a for the two-year means, 8 bu/a for the three-year means, 7 bu/a for the four-year means, and 6.5 bu/a for the five-year means can be used to compare yields of individual entries.

For the five-year means, Cargill 8097W (159.6 bu/a), NC+ 6555W (159.4 bu/a), and IFSI 90-1 (158.0 bu/a) would be judged higher yielding than the average entry (151.5 bu/a). Pioneer Brand 3463W (140.1 bu/a), Hoegemeyer 1142W (143.8 bu/a), and DeKalb Genetics 742W (144.8 bu/a) were lower yielding than the average entry. Results from calculating four-year means showed that Sturdy Grow SG797W (162.0 bu/a), NC+ 6555W (161.8 bu/a), and Cargill 8097W (161.2 bu/a) yielded more than the mean for all entries. Relatively lower yielding than other entries were Pioneer Brand 3463W (140.9 bu/a), DeKalb Genetics 555W (143.5 bu/a), DeKalb Genetics 742W (144.4 bu/a), and LG Seeds NB742W (145.8 bu/a).

Kernel quality evaluation of entries in the 1995 Early White Food Corn Performance Test (Table 37)

Milling quality of entries in the 1995 EWFCPT was evaluated by the Illinois Crop Improvement Association, Inc. and Texas A & M University. Target values are a kernel weight of 37 g or more per 100 kernels, density equal to or exceeding 1.20 g/cc, and 90% or more horny endosperm. Significant differences were found among entries for all seven quality traits.

No hybrid met the 37 g/100 kernel target value, likely because of the lower yields experienced in 1995 and the trend towards a smaller, denser kernel type. Late planting and stress during grain filling also reduce kernel weight. Kernel weights significantly greater than that for the average entry were observed for DeKalb Genetics DK703W (33.5 g) and Hoegemeyer 1142W (32.5 g). All entries had kernel densities greater than 1.20 g/cc. Two hybrids had 90% or more horny endosperm: Vineyard 414W (93%) and Vineyard Vx4134W (91%). Two hybrids had horny endosperm percentages of 89, five

were observed at 88%, and one at 86%. As for the WFCPT, it is possible that the Illinois Crop Improvement Association laboratory differs from The Quaker Oats Company, Barrington, IL, laboratory (original source of the 90% horny endosperm criterion) in judging this trait and that a lower target value reflecting current data would be acceptable to most processors.

Table 1. Sources of commercial white endosperm food corn hybrids entered in the 1995 White Food Corn Performance Test and the 1995 Early White Food Corn Performance Test.

Brand	Firm [†]	Address/telephone/FAX
AgriGold	Akin Seed Company	RR 1, Box 203, St. Francisville, IL 62460 Tel. 618/943-5776 FAX 618/943-7333
Asgrow	Asgrow Seed Company	3000 Westown Parkway, P. O. Box 7570 West Des Moines, IA 50265 Tel. 515/224-4200 FAX 515/224-4262
Beck	Beck's Superior Hybrids	6767 East 276 th Street, Atlanta, IN 46031 Tel. 317/984-3508 FAX 317/984-3500
Bo-Jac	Bo-Jac Seed Company	245 1500 th Avenue, Mt. Pulaski, IL 62548 Tel. 800/397-2069 FAX 217/792-5006
Cargill	Cargill Hybrid Seeds	P. O. Box 5645, Minneapolis, MN 55440 Tel. 612/742-6716 FAX 612/742-7235
Crows	Crow's Hybrid Corn Co.	P. O. Box 306, Milford, IL 60953 Tel. 815/889-4151 FAX 815/889-5253
DeKalb Genetics	DeKalb Genetics Corp.	3100 Sycamore Road, DeKalb, IL 60115 Tel. 815/758-9323 FAX 815/758-3711
Genetic Resources	Genetic Resources, Inc.	P. O. Box 229, 1606 County Road 600 North, Philo, IL 61864 Tel. 217/684-2783 FAX 217/684-2787
Golden Harvest	The J. C. Robinson Seed Co.	100 J. C. Robinson Boulevard, Waterloo, NE 68069 Tel. 402/779-2531 FAX 402/779-3317
Hoegemeyer	Hoegemeyer Hybrids	Route 2, Box 126, Hooper, NE 68031 Tel. 402/654-3399 FAX 402/654-3342
ICI Seeds	ICI Seeds	RR2, Box 142, Bowling Green, MO 63334 Tel. 573/324-5932 FAX 573/324-5932
IFSI	Illinois Foundation Seeds, Inc.	P. O. Box 722, Champaign, IL 61824-0722 Tel. 271/485-6420 FAX 217/485-5223
LG Seeds	LG Seeds Decatur Service Center	N. Wycles Road, P. O. Box 950, Decatur, IL 62525 Tel. 217/422-5621 FAX 217/422-2194
Lynks	Lynks Seeds	Box 637, Marshalltown, IA 50158 Tel. 515/752-4626 FAX 515/752-5734
Merschman	Merschman Seeds	103 Avenue D, West Point, IA 52656 Tel. 800/848-7333 FAX 319/837-6104
NC+	NC+ Hybrids	RR 2, Box 190, Hastings, NE 68901 Tel. 402/463-5661 FAX 402/463-6549
Northrup King	Northrup King Company	2415 Directors Row, Indianapolis, IN 46241 Tel. 800/841-7943 FAX 317/247-0885

Table 1. Continued.

Brand	Firm [†]	Address/telephone/FAX
Pioneer Brand	Pioneer Hi-Bred International	4445 Corporate Drive, Suite 200 West Des Moines, IA 50265 Tel. 515/224-6900 FAX 515/226-2939
Producers	Producers Hybrids	Box C, Battle Creek, NE 68715 Tel. 402/675-2975 FAX 402/675-6115
Purdue	Purdue University	1150 Lilly Hall, Purdue University, West Lafayette, IN 47907-1150 Tel. 317/494-8088 FAX 317/494-6508
Sturdy Grow	Sturdy Grow Hybrids, Inc.	P. O. Box 194, Arcola, IL 61910 Tel. 217/268-3838 FAX 217/268-3628
Tennessee	University of Tennessee	Department of Soil and Plant Science University of Tennessee, Knoxville, TN 37901 Tel. 615/974-8826 Fax 615/974-7997
Trisler	Trisler Seed Farms	3247 East 800 North Road, Fairmount, IL 61841 Tel. 217/288-9301 FAX 217/288-9095
Triumph	Triumph Seed Company, Inc.	P. O. Box 1050, Ralls, TX 79257 Tel. 806/253-2584 FAX 806/253-2820
Vineyard	Vineyard Seed Company, Inc.	Box 139, Sidney, IL 61877 Tel. 217/688-2361 FAX 217/688-2770
Whisnand	Whisnand Hybrids	1220 East State Route 133, Arcola, IL 61910 Tel. 217/268-3714
Wilson	Wilson Seeds, Inc.	P. O. Box 391, Harlan, IA 51537 Tel. 712/755-3841 FAX 712/755-5261
Zimmerman	Zimmerman Hybrids, Inc.	5147 West Franklin Road Evansville, IN 47712 Tel. 812/985-2449 FAX 812/985-3309

[†] Mention of a trademark or proprietary product does not constitute a guarantee, warranty, or recommendation of the product by the U.S. Department of Agriculture or the University of Missouri and does not imply its approval to the exclusion of other products that may also be suitable.

Table 2. Locations and agronomic conditions for yield tests.

Location	Mean yield (bu/a)	Previous crop	Fertilizer (lb/a)			Date planted	Herbicide	Insecticide	Plant density (plants/a)
			N	P ₂ O ₅	K ₂ O				
White Food Corn Performance Test									
Champaign, IL	114.2	Soybeans	187	50	255	2MAY95	Atrazine, bentazon, metolachlor	----- [†]	24,890
Paris, IL	164.9	Soybeans	175	163	363	6MAY95	Atrazine, cyanazine	-----	24,890
Winchester, IL	156.6	Soybeans	120	0	0	7MAY95	Atrazine, metolachlor	-----	24,890
West Lafayette, IN	85.8	Soybeans	180	0	0	5JUN95	Alachlor, atrazine	-----	24,800
Topeka, KS‡	154.8	Soybeans	160	38	0	24APR95	Atrazine, alachlor	Phorate	24,600
Henderson, KY	175.9	Corn	200	229	120	29APR95	Atrazine, metolachlor, primisulfuron	Permethrin	24,598
Lexington, KY	139.7	Corn	150	0	66	8MAY95	Alachlor, atrazine, bentazon, butylate	Tefluthrin	23,868
Columbia, MO	99.7	Soybeans	149	27	87	13JUN95	Atrazine, metolachlor	Chlorpyrifos	23,232
Knoxville, TN	92.4	Soybeans	157	49	31	26APR95	Alachlor, simazine	Chlorpyrifos	23,522
College Station, TX‡	187.9	Corn	136	54	27	23FEB95	Atrazine, metolachlor	Tefluthrin	24,000

Table 2. Continued.

Location	Mean yield (bu/a)	Previous crop	Fertilizer (lb/a)			Date planted	Herbicide	Insecticide	Plant density (plants/a)
			N	P ₂ O ₅	K ₂ O				
Early White Food Corn Performance Test									
Champaign, IL	119.6	Soybeans	187	50	255	2MAY95	Atrazine, bentazon, metolachlor	-----	24,890
Galesburg, IL	123.8	Soybeans	162	150	308	22MAY95	Atrazine, bentazon, eptam	-----	24,890
Wanatah, IN	163.4	Soybeans	160	39	103	13MAY95	Atrazine, cyanazine, metolachlor	-----	24,800
Marion, IA	127.8	Corn	220	0	0	18MAY95	Acetochlor, atrazine, cyanazine	Chlorpyrifos	27,000
Ogden, IA	151.5	Soybeans	156	46	90	17MAY95	Acetochlor, atrazine, bentazon	-----	27,000
St. Joseph, MO	132.2	Soybeans	177	76	60	22MAY95	Atrazine, cyanazine, metolachlor	Tefluthrin	20,908
Clay Center, NE [‡]	117.6	Soybeans	75	0	0	16MAY95	Acetochlor, atrazine, primisulfuron, nicosulfuron	-----	30,000
Gothenburg, NE [‡]	130.8	Soybeans	170	0	0	15MAY95	Acetochlor	Chlorpyrifos	29,800
Knoxville, TN	127.3	Soybeans	157	49	31	26APR95	Alachlor, simazine	Chlorpyrifos	23,522

[†] Dashes indicate none used or data missing.

[‡] Irrigated location.



Fig. 1. Planted locations for the white food corn performance tests.

Table 3. Yield and agronomic data from the 1995 White Food Corn Performance Test at Champaign, IL. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	136.1	100.0	0.0	0.0	27.7	.	22.4
<i>Bo-Jac 523W</i>	2	118.8	100.0	0.0	0.0	35.0	.	16.6
<i>Bo-Jac 3417W</i>	3	117.3	100.0	0.0	0.0	37.3	.	18.1
<i>Cargill 8097W</i>	4	114.3	100.0	3.3	0.6	36.3	.	17.1
<i>Cargill X7510W</i>	5	147.7	100.0	1.7	0.0	39.0	.	15.5
<i>Cargill X7511W</i>	6	138.8	100.0	3.9	0.0	38.0	.	16.0
DeKalb Genetics DK703W	7	84.3	100.0	4.4	0.6	40.0	.	17.7
DeKalb Genetics 739W	8	119.1	100.0	6.7	0.0	33.7	.	16.6
DeKalb Genetics 742W	9	122.8	99.4	3.9	0.0	29.0	.	16.6
<i>DeKalb Genetics EXP566W</i>	10	106.6	100.0	0.0	0.6	28.3	.	16.3
<i>DeKalb Genetics EXP567W</i>	11	136.3	100.0	0.0	0.6	34.0	.	16.2
<i>Genetic Resources GRI94181</i>	12	80.7	100.0	5.0	0.0	39.7	.	20.3
<i>Genetic Resources GRI94185</i>	13	119.7 [†]	100.0	2.2	0.6	43.0	.	19.5 [†]
Golden Harvest H-2651W	14	129.3	100.0	0.0	0.6	35.3	.	21.0
Golden Harvest H-2633W	15	132.0	100.0	0.0	0.0	32.3	.	19.4
Hoegemeyer 1125W	16	86.4	82.8	0.0	0.0	35.7	.	19.3
Hoegemeyer 1131W	17	105.3	100.0	0.0	0.0	34.3	.	16.2
Hoegemeyer 1142W	18	111.3	99.4	0.0	0.0	38.3	.	21.4
<i>Hoegemeyer X581W</i>	19	115.3	99.4	0.0	0.0	34.3	.	16.8
<i>ICI Seeds 8317W</i>	20	118.1	100.0	0.0	0.0	37.7	.	18.0
ICI Seeds 8320W	21	128.7	98.9	0.6	1.1	38.7	.	17.1
<i>IFSI 90-1</i>	22	129.1	100.0	0.0	0.0	37.0	.	16.8
IFSI 90-4	23	142.2	100.0	0.0	0.6	37.7	.	20.6
IFSI 94-3	24	121.8	100.0	0.0	0.0	31.3	.	20.0
<i>IFSI 95-1</i>	25	100.6	99.4	0.6	0.0	34.7	.	20.7
<i>LG Seeds NB749W</i>	26	135.3	100.0	0.0	0.6	36.3	.	18.0
NC+ 7248W	27	107.8	100.0	0.6	0.0	34.7	.	18.6
Northrup King N7580W	28	109.1	100.0	0.6	0.0	33.7	.	17.8
<i>Northrup King X7744W</i>	29	88.7	100.0	0.0	0.0	34.3	.	18.5
Pioneer Brand 3203W	30	124.3	100.0	0.0	0.0	31.7	.	17.3
Pioneer Brand 3281W	31	99.6	100.0	0.0	0.0	34.7	.	16.7
Pioneer Brand 3287W	32	108.7	100.0	5.0	0.0	33.7	.	17.2
Sturdy Grow SG765W	33	141.8	100.0	5.6	0.6	37.7	.	17.5
Sturdy Grow SG777W	34	133.6	100.0	0.0	0.6	34.0	.	17.6
Sturdy Grow SG797W	35	134.9	100.0	0.0	0.0	38.0	.	17.7
Sturdy Grow SG798W	36	98.3	100.0	0.0	0.0	37.0	.	18.1
<i>Sturdy Grow EXP 94002</i>	37	112.4	100.0	0.0	0.0	37.7	.	17.0
<i>TN 95-1</i>	38	113.0	100.0	0.0	0.0	34.3	.	21.0
<i>Trisler T-93W2</i>	39	118.6	94.4	0.0	1.2	39.7	.	15.9
<i>Trisler T-4114W</i>	40	111.8	100.0	0.0	0.0	35.7	.	17.2
Triumph 1910W	41	110.9	100.0	0.0	0.0	29.3	.	21.1
Vineyard V58W	42	129.5	100.0	0.0	0.0	35.7	.	18.3
<i>Vineyard V442W</i>	43	100.2	100.0	1.1	0.0	34.0	.	19.7
Vineyard V448W	44	116.3	97.8	1.1	0.0	35.0	.	18.0
Vineyard V449W	45	117.5	100.0	1.7	0.0	34.7	.	17.9

Table 3. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	116.3	100.0	0.6	0.0	34.7	.	17.0
Whisnand 51AW	47	109.5	100.0	0.0	0.0	37.3	.	17.4
Whisnand 92AW	48	95.9	100.0	0.6	0.0	37.0	.	22.2
<i>Whisnand 95W</i>	49	105.4	100.0	0.0	0.0	39.0	.	18.9
<i>Wilson E954003</i>	50	75.7 [†]	100.0	1.7	0.0	35.3	.	20.2 [†]
<i>Wilson E954004</i>	51	84.7	100.0	0.0	0.0	36.7	.	20.1
Zimmerman Z62W	52	110.2	99.4	3.3	0.0	35.0	.	16.2
Zimmerman Z64W	53	122.6	100.0	9.4	0.0	39.0	.	18.9
<i>Zimmerman Z70W</i>	54	97.5	100.0	5.6	0.0	41.3	.	21.0
White check (K55 × CI66)FR802W	55	49.8	90.6	8.4	0.6	42.0	.	19.5
Yellow check B73 × Mo17	56	105.4	99.4	3.9	0.0	35.3	.	13.5
Yellow check Pioneer Brand 3245	57	136.6	100.0	2.2	0.6	31.0	.	15.6
<i>Yellow check Pioneer Brand 3394</i>	58	139.3	100.0	1.7	0.0	35.7	.	14.4
Mean		114.2	99.3	1.5	0.2	35.7	.	18.1
LSD 0.05		29.0	ns	4.5	ns	5.5		1.1
CV%		15.6		186.6		9.4		3.7

[†] Data from two replications.

Table 4. Yield and agronomic data from the 1995 White Food Corn Performance Test at Paris, IL. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	146.2	100.0	0.0	0.6	44.3	.	24.8
Bo-Jac 523W	2	182.2	100.0	0.0	0.0	54.3	.	19.7
<i>Bo-Jac 3417W</i>	3	156.7	98.9	0.0	0.0	58.0	.	21.6
Cargill 8097W	4	182.6	100.0	0.0	0.6	57.0	.	21.0
<i>Cargill X7510W</i>	5	183.1	100.0	3.3	1.7	56.0	.	18.2
<i>Cargill X7511W</i>	6	183.6	100.0	0.6	0.6	54.0	.	18.4
DeKalb Genetics DK703W	7	160.4	97.2	0.6	0.6	53.0	.	21.0
DeKalb Genetics 739W	8	142.1	100.0	2.2	0.6	41.0	.	20.0
DeKalb Genetics 742W	9	147.9	100.0	0.0	3.3	45.3	.	21.7
<i>DeKalb Genetics EXP566W</i>	10	149.6	99.4	0.0	0.6	48.7	.	18.9
<i>DeKalb Genetics EXP567W</i>	11	182.4	99.4	0.6	2.2	55.0	.	19.6
<i>Genetic Resources GRI94181</i>	12	139.4	100.0	1.7	0.6	61.7	.	22.7
<i>Genetic Resources GRI94185</i>	13	176.2	97.8	2.8	0.6	54.7	.	22.9
Golden Harvest H-2651W	14	170.7	100.0	0.0	0.6	55.7	.	24.2
Golden Harvest H-2633W	15	163.9	100.0	0.6	0.6	48.3	.	23.8
Hoegemeyer 1125W	16	167.0	100.0	0.6	0.0	55.3	.	21.9
Hoegemeyer 1131W	17	173.0	100.0	2.2	0.6	52.3	.	20.6
Hoegemeyer 1142W	18	163.1	100.0	0.0	0.0	55.3	.	24.9
<i>Hoegemeyer X581W</i>	19	193.1	100.0	0.0	0.0	54.0	.	19.4
<i>ICI Seeds 8317W</i>	20	166.2	98.3	0.0	0.0	56.7	.	21.4
ICI Seeds 8320W	21	162.7	100.0	0.0	0.6	61.0	.	19.8
<i>IFSI 90-1</i>	22	196.7	100.0	0.0	0.6	58.0	.	20.9
IFSI 90-4	23	179.2	100.0	0.0	0.6	55.3	.	22.9
IFSI 94-3	24	197.9	100.0	0.6	2.2	51.3	.	24.4
<i>IFSI 95-1</i>	25	180.0	100.0	0.0	0.6	55.0	.	23.9
<i>LG Seeds NB749W</i>	26	152.7	98.9	0.0	1.1	59.7	.	20.7
NC+ 7248W	27	148.0	100.0	0.0	1.1	54.0	.	21.7
Northrup King N7580W	28	165.4	100.0	0.0	1.7	53.7	.	21.7
<i>Northrup King X7744W</i>	29	159.6	100.0	1.1	1.1	57.0	.	21.5
Pioneer Brand 3203W	30	175.5	100.0	0.0	2.8	57.0	.	20.9
Pioneer Brand 3281W	31	170.3	97.8	0.0	0.0	52.0	.	20.7
Pioneer Brand 3287W	32	156.5	99.4	2.2	0.0	51.3	.	20.3
Sturdy Grow SG765W	33	157.0	100.0	0.6	1.1	53.3	.	19.0
Sturdy Grow SG777W	34	173.7	100.0	1.1	0.0	58.0	.	20.7
Sturdy Grow SG797W	35	177.9	100.0	0.0	0.0	55.7	.	22.0
Sturdy Grow SG798W	36	157.0	100.0	0.6	0.0	54.3	.	21.6
<i>Sturdy Grow EXP 94002</i>	37	175.0	100.0	0.6	0.6	54.7	.	21.1
<i>TN 95-1</i>	38	169.4	100.0	3.3	1.1	55.7	.	24.3
<i>Trisler T-93W2</i>	39	196.3	100.0	0.0	0.6	57.7	.	18.9
<i>Trisler T-4114W</i>	40	168.0	100.0	0.0	1.1	56.3	.	21.6
Triumph 1910W	41	174.4	100.0	0.0	0.6	50.0	.	24.4
Vineyard V58W	42	178.8	100.0	0.0	0.6	55.7	.	22.0
<i>Vineyard V442W</i>	43	163.2	100.0	0.6	2.2	50.7	.	22.9
Vineyard V448W	44	168.9	100.0	0.0	0.0	54.7	.	21.4
Vineyard V449W	45	169.5	100.0	0.0	0.6	54.0	.	21.8

Table 4. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	150.6	100.0	0.0	1.1	49.0	.	20.1
Whisnand 51AW	47	163.4	99.4	0.0	0.6	55.7	.	20.0
Whisnand 92AW	48	157.9	100.0	0.0	1.1	57.7	.	24.5
<i>Whisnand 95W</i>	49	167.8	100.0	0.0	3.9	56.7	.	22.2
<i>Wilson E954003</i>	50	103.6	100.0	0.6	0.6	57.3	.	23.6
<i>Wilson E954004</i>	51	124.3	100.0	0.0	0.0	58.7	.	24.8
Zimmerman Z62W	52	165.7	100.0	0.0	1.7	55.3	.	19.4
Zimmerman Z64W	53	190.0	100.0	0.0	3.3	57.7	.	22.8
<i>Zimmerman Z70W</i>	54	169.9	100.0	1.1	0.6	59.7	.	24.9
White check (K55 × CI66)FR802W	55	67.2	90.6	3.1	0.0	58.3	.	24.5
Yellow check B73 × Mo17	56	159.9	100.0	1.1	0.0	55.0	.	17.5
Yellow check Pioneer Brand 3245	57	193.0	100.0	0.0	0.6	48.7	.	19.4
<i>Yellow check Pioneer Brand 3394</i>	58	150.6	100.0	0.0	0.0	52.3	.	16.9
Mean		164.9	99.6	0.5	0.8	54.5	.	21.5
LSD 0.05		19.9	1.9	ns	1.9	5.0		1.1
CV%		7.4	1.2		140.4	5.7		3.0

Table 5. Yield and agronomic data from the 1995 White Food Corn Performance Test at Winchester, IL. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	136.1	100.0	0.0	0.0	43.3	.	22.1
Bo-Jac 523W	2	164.3	100.0	0.0	0.0	55.7	.	16.9
<i>Bo-Jac 3417W</i>	3	160.9	100.0	0.0	0.0	54.0	.	17.4
Cargill 8097W	4	168.2	100.0	0.0	0.0	54.7	.	17.1
<i>Cargill X7510W</i>	5	181.9	100.0	0.0	0.6	56.0	.	14.8
<i>Cargill X7511W</i>	6	174.4	100.0	0.6	1.1	51.0	.	15.4
DeKalb Genetics DK703W	7	153.4	100.0	1.1	0.0	54.0	.	16.7
DeKalb Genetics 739W	8	134.8	100.0	0.0	0.0	36.7	.	16.8
DeKalb Genetics 742W	9	142.2	100.0	0.0	1.1	40.3	.	16.8
<i>DeKalb Genetics EXP566W</i>	10	140.0	100.0	0.0	0.0	40.0	.	15.4
<i>DeKalb Genetics EXP567W</i>	11	167.4	100.0	0.6	1.1	50.0	.	15.5
<i>Genetic Resources GRI94181</i>	12	141.9	100.0	0.0	2.2	58.3	.	19.7
<i>Genetic Resources GRI94185</i>	13	167.8	100.0	0.6	1.1	55.0	.	18.7
Golden Harvest H-2651W	14	151.4	100.0	0.0	1.1	54.3	.	20.2
Golden Harvest H-2633W	15	163.0	100.0	0.6	1.1	52.3	.	19.5
Hoegemeyer 1125W	16	165.6	100.0	0.0	0.6	58.0	.	18.2
Hoegemeyer 1131W	17	158.8	100.0	0.0	0.0	57.7	.	17.2
Hoegemeyer 1142W	18	155.5	100.0	0.0	0.0	44.7	.	20.8
<i>Hoegemeyer X581W</i>	19	161.1	100.0	0.0	0.6	54.0	.	16.2
<i>ICI Seeds 8317W</i>	20	177.8	100.0	0.0	0.0	57.7	.	18.4
ICI Seeds 8320W	21	169.3	100.0	0.0	0.0	57.3	.	17.0
<i>IFSI 90-1</i>	22	157.4	100.0	0.0	0.6	57.3	.	16.8
IFSI 90-4	23	145.6	100.0	0.0	0.0	53.7	.	20.6
IFSI 94-3	24	171.8	100.0	0.0	0.6	52.0	.	19.6
<i>IFSI 95-1</i>	25	163.0	100.0	0.0	0.0	53.3	.	20.5
<i>LG Seeds NB749W</i>	26	176.3	100.0	0.0	0.0	53.7	.	18.3
NC+ 7248W	27	163.2	100.0	0.0	1.1	54.3	.	17.9
Northrup King N7580W	28	163.1	100.0	0.0	0.6	54.3	.	18.0
<i>Northrup King X7744W</i>	29	155.6	100.0	0.0	0.0	56.0	.	18.3
Pioneer Brand 3203W	30	193.6	100.0	0.0	0.6	52.7	.	16.5
Pioneer Brand 3281W	31	160.1	100.0	0.0	0.0	51.3	.	16.0
Pioneer Brand 3287W	32	138.5	100.0	0.0	1.1	45.0	.	15.5
Sturdy Grow SG765W	33	154.1	99.4	0.0	0.0	51.0	.	16.2
Sturdy Grow SG777W	34	172.0	100.0	0.0	1.1	55.7	.	17.0
Sturdy Grow SG797W	35	169.0	100.0	0.0	0.0	56.0	.	18.0
Sturdy Grow SG798W	36	165.9	100.0	0.0	0.0	54.0	.	18.1
<i>Sturdy Grow EXP 94002</i>	37	167.5	99.4	0.0	0.0	53.7	.	17.4
<i>TN 95-1</i>	38	136.0	100.0	0.0	1.7	54.3	.	20.0
<i>Trisler T-93W2</i>	39	174.6	100.0	0.0	1.7	55.0	.	15.7
<i>Trisler T-4114W</i>	40	157.9	100.0	0.0	0.6	57.7	.	16.9
Triumph 1910W	41	141.8	99.4	0.0	1.1	53.3	.	21.3
Vineyard V58W	42	179.6	99.4	0.0	0.0	54.3	.	18.9
<i>Vineyard V442W</i>	43	143.9	100.0	0.0	0.0	48.7	.	18.5
Vineyard V448W	44	140.8	98.9	0.0	0.6	54.3	.	17.2
Vineyard V449W	45	154.9	100.0	1.7	0.6	52.3	.	17.8

Table 5. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	133.6	100.0	0.0	0.0	50.7	.	15.9
Whisnand 51AW	47	161.1	100.0	0.6	0.6	53.0	.	17.2
Whisnand 92AW	48	158.4	100.0	0.0	1.1	56.7	.	21.2
<i>Whisnand 95W</i>	49	146.1	100.0	0.0	0.0	54.0	.	18.4
<i>Wilson E954003</i>	50	104.5	100.0	0.0	0.0	59.0	.	17.9
<i>Wilson E954004</i>	51	116.0	100.0	0.0	0.0	59.0	.	19.4
Zimmerman Z62W	52	161.2	100.0	0.0	0.0	48.7	.	14.5
Zimmerman Z64W	53	166.7	100.0	0.0	0.6	56.7	.	16.8
<i>Zimmerman Z70W</i>	54	156.9	100.0	0.0	1.1	58.3	.	19.0
White check (K55 × CI66)FR802W	55	81.8	89.4	1.2	0.6	62.3	.	20.1
Yellow check B73 × Mo17	56	157.0	99.4	0.6	0.0	50.7	.	15.4
Yellow check Pioneer Brand 3245	57	175.8	100.0	0.0	0.0	46.7	.	14.3
<i>Yellow check Pioneer Brand 3394</i>	58	182.6	100.0	0.0	0.0	45.3	.	12.8
Mean		156.6	99.8	0.1	0.5	52.9	.	17.7
LSD 0.05		18.2	1.9	ns	ns	6.3		0.7
CV%		7.1	1.2			7.3		2.5

Table 6. Yield and agronomic data from the 1995 White Food Corn Performance Test at West Lafayette, IN. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	82.8	89.6	.	.	36.7	.	28.9
Bo-Jac 523W	2	92.7	95.9	.	.	38.1	.	19.0
<i>Bo-Jac 3417W</i>	3	99.8	93.7	.	.	39.5	.	20.6
Cargill 8097W	4	91.4	93.2	.	.	41.6	.	16.9
<i>Cargill X7510W</i>	5	116.5	91.0	.	.	38.1	.	18.5
<i>Cargill X7511W</i>	6	119.8	90.5	.	.	41.2	.	19.5
DeKalb Genetics DK703W	7	94.3	90.1	.	.	43.7	.	20.7
DeKalb Genetics 739W	8	78.3	95.9	.	.	41.1	.	20.3
DeKalb Genetics 742W	9	78.4	93.7	.	.	36.8	.	19.2
<i>DeKalb Genetics EXP566W</i>	10	83.0	92.8	.	.	41.2	.	18.2
<i>DeKalb Genetics EXP567W</i>	11	94.5	89.2	.	.	39.0	.	16.1
<i>Genetic Resources GRI94181</i>	12	43.1	95.0	.	.	41.3	.	27.0
<i>Genetic Resources GRI94185</i>	13	73.2	91.9	.	.	39.0	.	23.6
Golden Harvest H-2651W	14	87.8	88.3	.	.	39.3	.	26.7
Golden Harvest H-2633W	15	83.2	89.2	.	.	36.3	.	27.9
Hoegemeyer 1125W	16	90.8	91.9	.	.	39.5	.	21.1
Hoegemeyer 1131W	17	99.0	94.1	.	.	40.2	.	18.9
Hoegemeyer 1142W	18	83.9	91.9	.	.	38.6	.	27.6
<i>Hoegemeyer X581W</i>	19	88.7	86.9	.	.	42.9	.	16.2
<i>ICI Seeds 8317W</i>	20	99.3	93.2	.	.	40.3	.	20.2
ICI Seeds 8320W	21	98.3	85.1	.	.	37.6	.	18.8
<i>IFSI 90-1</i>	22	88.7	89.6	.	.	43.9	.	17.8
IFSI 90-4	23	100.0	90.5	.	.	36.8	.	26.3
IFSI 94-3	24	90.9	92.8	.	.	40.3	.	25.9
<i>IFSI 95-1</i>	25	76.4	90.1	.	.	35.1	.	28.0
<i>LG Seeds NB749W</i>	26	100.1	94.1	.	.	39.6	.	19.4
NC+ 7248W	27	78.5	93.7	.	.	33.3	.	21.8
Northrup King N7580W	28	97.5	92.3	.	.	41.1	.	20.7
<i>Northrup King X7744W</i>	29	83.5	94.1	.	.	45.1	.	20.7
Pioneer Brand 3203W	30	92.9	92.3	.	.	36.4	.	19.5
Pioneer Brand 3281W	31	87.4	92.3	.	.	39.6	.	20.0
Pioneer Brand 3287W	32	85.9	89.6	.	.	38.9	.	18.0
Sturdy Grow SG765W	33	101.2	96.4	.	.	41.1	.	17.4
Sturdy Grow SG777W	34	93.0	92.8	.	.	39.6	.	18.6
Sturdy Grow SG797W	35	96.6	93.7	.	.	39.8	.	19.5
Sturdy Grow SG798W	36	103.7	91.9	.	.	38.0	.	19.8
<i>Sturdy Grow EXP 94002</i>	37	94.3	91.0	.	.	39.1	.	19.6
<i>TN 95-1</i>	38	75.4	90.1	.	.	44.6	.	28.1
<i>Trisler T-93W2</i>	39	93.7	92.3	.	.	44.3	.	16.8
<i>Trisler T-4114W</i>	40	92.4	86.0	.	.	42.0	.	18.7
Triumph 1910W	41	81.7	92.3	.	.	40.6	.	27.6
Vineyard V58W	42	91.6	95.9	.	.	40.3	.	20.4
<i>Vineyard V442W</i>	43	82.0	91.9	.	.	41.5	.	20.7
Vineyard V448W	44	84.4	90.5	.	.	39.8	.	20.5
Vineyard V449W	45	83.6	88.7	.	.	40.8	.	21.0

Table 6. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	74.0	95.0	.	.	39.3	.	21.1
Whisnand 51AW	47	93.7	90.1	.	.	38.9	.	18.4
Whisnand 92AW	48	87.2	94.1	.	.	36.7	.	28.2
<i>Whisnand 95W</i>	49	83.1	91.0	.	.	42.9	.	27.4
<i>Wilson E954003</i>	50	50.3	86.9	.	.	39.3	.	28.5
<i>Wilson E954004</i>	51	58.1	95.0	.	.	38.0	.	29.0
Zimmerman Z62W	52	76.0	90.5	.	.	39.0	.	16.8
Zimmerman Z64W	53	60.5	89.6	.	.	38.7	.	24.3
<i>Zimmerman Z70W</i>	54	76.1	90.1	.	.	41.1	.	27.1
White check (K55×CI66)FR802W	55	11.6	79.3	.	.	34.8	.	23.6
Yellow check B73×Mo17	56	84.6	89.2	.	.	36.9	.	16.5
Yellow check Pioneer Brand 3245	57	101.6	95.9	.	.	42.2	.	16.0
<i>Yellow check Pioneer Brand 3394</i>	58	87.1	93.2	.	.	36.1	.	14.1
Mean		85.8	91.5	.	.	39.6	.	21.4
LSD 0.05		15.5	7.2			ns		1.6
CV%		11.1	4.8					4.5

Table 7. Yield and agronomic data from the 1995 White Food Corn Performance Test at Topeka, KS. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	143.8	88.4	0.0	1.5	27.0	86.0	25.1
Bo-Jac 523W	2	141.8	100.0	0.0	2.8	42.0	86.7	20.9
<i>Bo-Jac 3417W</i>	3	147.6	94.9	0.0	0.5	42.0	88.0	22.3
Cargill 8097W	4	143.1	94.4	0.0	3.9	41.3	87.3	21.1
<i>Cargill X7510W</i>	5	174.0	98.6	0.0	0.0	40.0	85.3	21.0
<i>Cargill X7511W</i>	6	183.2	100.9	0.0	2.3	42.0	86.0	21.5
DeKalb Genetics DK703W	7	158.6	95.4	0.0	0.0	40.3	86.7	21.3
DeKalb Genetics 739W	8	135.2	81.0	0.0	0.0	27.3	84.0	22.5
DeKalb Genetics 742W	9	124.3	91.7	0.0	0.0	25.7	85.3	21.6
<i>DeKalb Genetics EXP566W</i>	10	139.5	93.5	0.0	0.0	27.0	84.0	21.8
<i>DeKalb Genetics EXP567W</i>	11	156.9	87.0	0.0	2.1	40.7	86.0	21.2
<i>Genetic Resources GRI94181</i>	12	127.9	94.0	0.0	4.6	45.7	91.0	23.6
<i>Genetic Resources GRI94185</i>	13	146.4	92.1	0.0	3.0	46.0	91.0	22.8
Golden Harvest H-2651W	14	164.6	93.5	0.0	2.0	40.0	86.0	23.3
Golden Harvest H-2633W	15	153.9	93.5	0.0	2.5	34.0	85.3	23.4
Hoegemeyer 1125W	16	151.2	95.8	0.0	1.0	43.0	89.0	21.8
Hoegemeyer 1131W	17	147.0	94.4	0.0	0.5	42.3	86.7	21.5
Hoegemeyer 1142W	18	157.8	100.9	0.0	0.4	35.3	86.0	24.2
<i>Hoegemeyer X581W</i>	19	158.5	91.7	0.0	1.0	41.3	86.7	22.0
<i>ICI Seeds 8317W</i>	20	158.2	94.0	0.0	2.0	43.3	87.3	21.9
ICI Seeds 8320W	21	148.1	95.8	0.0	2.4	41.3	86.7	21.6
<i>IFSI 90-1</i>	22	158.7	93.1	0.0	1.0	44.3	86.0	21.2
IFSI 90-4	23	150.5	97.2	0.0	2.9	38.0	85.3	22.7
IFSI 94-3	24	181.9	99.5	0.0	0.9	34.7	86.0	24.9
<i>IFSI 95-1</i>	25	170.7	98.1	0.0	0.9	41.7	87.3	22.9
<i>LG Seeds NB749W</i>	26	151.0	93.1	0.0	1.0	40.3	87.7	22.0
NC+ 7248W	27	157.6	95.8	0.0	2.0	39.7	87.3	22.6
Northrup King N7580W	28	152.7	97.7	0.0	1.0	42.3	88.0	22.0
<i>Northrup King X7744W</i>	29	148.8	99.5	0.5	3.7	43.3	87.3	21.8
Pioneer Brand 3203W	30	149.9	95.4	0.0	1.0	36.0	89.0	21.5
Pioneer Brand 3281W	31	147.8 [†]	96.3	0.0	0.0	40.7	88.0	21.3 [†]
Pioneer Brand 3287W	32	146.1	93.5	0.0	0.0	38.3	84.0	21.8
Sturdy Grow SG765W	33	131.5	96.3	0.0	2.4	40.0	86.7	20.5
Sturdy Grow SG777W	34	154.7	99.1	0.0	0.9	43.0	86.0	21.7
Sturdy Grow SG797W	35	168.6	97.7	0.0	0.5	43.0	88.0	22.0
Sturdy Grow SG798W	36	166.5	96.8	0.0	1.9	39.0	87.7	22.0
<i>Sturdy Grow EXP 94002</i>	37	147.6	95.8	0.0	2.5	39.3	86.7	21.4
<i>TN 95-1</i>	38	163.2	92.1	0.0	3.5	44.0	86.7	21.1 [†]
<i>Trisler T-93W2</i>	39	167.0	95.4	0.0	3.4	43.3	88.0	23.7
<i>Trisler T-4114W</i>	40	144.9	92.1	0.0	1.5	42.7	86.7	22.0
Triumph 1910W	41	144.8	95.4	0.0	0.5	31.3	86.0	24.4
Vineyard V58W	42	147.6	94.4	0.0	1.5	40.7	87.3	22.5
<i>Vineyard V442W</i>	43	142.8	94.4	0.0	1.0	33.7	86.0	25.6
Vineyard V448W	44	151.1	88.0	0.0	1.0	40.7	86.7	22.6
Vineyard V449W	45	163.9	98.1	0.0	0.5	35.7	86.0	21.5

Table 7. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	151.6	92.6	0.0	1.0	35.0	87.3	21.8
Whisnand 51AW	47	161.2	96.3	0.0	1.9	40.7	86.7	21.8
Whisnand 92AW	48	161.8	99.1	0.0	1.9	39.0	88.0	24.7
<i>Whisnand 95W</i>	49	181.7	99.5	0.0	3.7	43.7	88.0	23.7
<i>Wilson E954003</i>	50	151.2	92.1	0.0	0.0	44.0	90.0	25.3 [†]
<i>Wilson E954004</i>	51	157.7	100.5	0.0	1.4	42.7	90.0	25.9
Zimmerman Z62W	52	189.1	99.1	0.0	1.9	41.7	86.7	22.3
Zimmerman Z64W	53	186.4	81.9	0.0	4.3	45.7	89.0	24.8
<i>Zimmerman Z70W</i>	54	167.1	92.1	0.0	1.5	44.0	87.3	24.7
White check (K55 × CI66)FR802W	55	113.6	69.9	0.0	5.7	47.7	91.0	28.1
Yellow check B73 × Mo17	56	155.7	96.3	0.0	2.8	40.3	86.0	20.7
Yellow check Pioneer Brand 3245	57	177.5	100.0	0.0	0.0	34.0	87.3	20.5
<i>Yellow check Pioneer Brand 3394</i>	58	149.8	90.3	0.0	0.0	37.3	84.0	23.4
Mean		154.8	94.4	0.0	1.6	39.6	87.0	22.6
LSD 0.05		21.5	10.3	ns	3.0	4.1	3.3	1.8
CV%		8.5	6.7		113.4	6.3	2.3	1.3

[†] Data from two replications.

Table 8. Yield and agronomic data from the 1995 White Food Corn Performance Test at Henderson, KY. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	146.0	100.0	.	0.7	.	.	23.0
Bo-Jac 523W	2	180.0	100.0	.	0.7	.	.	18.3
<i>Bo-Jac 3417W</i>	3	171.7	100.0	.	0.0	.	.	18.7
Cargill 8097W	4	178.7	100.0	.	0.0	.	.	20.5
<i>Cargill X7510W</i>	5	189.3	100.0	.	2.1	.	.	17.7
<i>Cargill X7511W</i>	6	196.9	100.0	.	0.0	.	.	17.7
DeKalb Genetics DK703W	7	169.8	100.0	.	0.0	.	.	20.2
DeKalb Genetics 739W	8	146.6	100.0	.	0.0	.	.	20.4
DeKalb Genetics 742W	9	152.2	100.0	.	0.7	.	.	19.8
<i>DeKalb Genetics EXP566W</i>	10	159.7	100.0	.	0.0	.	.	18.4
<i>DeKalb Genetics EXP567W</i>	11	175.6	100.0	.	0.0	.	.	17.7
<i>Genetic Resources GRI94181</i>	12	161.5	100.0	.	2.8	.	.	22.2
<i>Genetic Resources GRI94185</i>	13	166.2	100.0	.	1.4	.	.	19.6
Golden Harvest H-2651W	14	180.0	100.0	.	0.7	.	.	20.5
Golden Harvest H-2633W	15	165.7	100.0	.	0.0	.	.	20.4
Hoegemeyer 1125W	16	177.0	100.0	.	1.4	.	.	20.2
Hoegemeyer 1131W	17	176.0	100.0	.	1.4	.	.	19.5
Hoegemeyer 1142W	18	174.0	100.0	.	0.0	.	.	22.4
<i>Hoegemeyer X581W</i>	19	188.1	100.0	.	0.7	.	.	17.5
<i>ICI Seeds 8317W</i>	20	184.8	100.0	.	0.7	.	.	21.5
ICI Seeds 8320W	21	185.2	100.0	.	1.4	.	.	19.6
<i>IFSI 90-1</i>	22	190.0	100.0	.	2.1	.	.	18.9
IFSI 90-4	23	186.3	100.0	.	0.0	.	.	19.7
IFSI 94-3	24	178.2	100.0	.	0.0	.	.	21.7
<i>IFSI 95-1</i>	25	191.0	100.0	.	0.0	.	.	21.1
<i>LG Seeds NB749W</i>	26	184.1	100.0	.	0.0	.	.	19.9
NC+ 7248W	27	176.7	100.0	.	0.7	.	.	20.4
Northrup King N7580W	28	186.8	100.0	.	0.7	.	.	19.8
<i>Northrup King X7744W</i>	29	173.5	100.0	.	0.0	.	.	21.1
Pioneer Brand 3203W	30	194.7	100.0	.	1.4	.	.	19.1
Pioneer Brand 3281W	31	177.1	100.0	.	0.0	.	.	19.3
Pioneer Brand 3287W	32	143.8	100.0	.	0.0	.	.	20.0
Sturdy Grow SG765W	33	174.3	100.0	.	0.0	.	.	19.7
Sturdy Grow SG777W	34	173.8	100.0	.	0.7	.	.	19.4
Sturdy Grow SG797W	35	175.9	100.0	.	0.0	.	.	20.5
Sturdy Grow SG798W	36	181.1	100.0	.	2.1	.	.	20.1
<i>Sturdy Grow EXP 94002</i>	37	170.3	100.0	.	0.7	.	.	20.0
<i>TN 95-1</i>	38	167.0	100.0	.	1.4	.	.	22.7
<i>Trisler T-93W2</i>	39	185.1	100.0	.	2.8	.	.	17.9
<i>Trisler T-4114W</i>	40	187.8	100.0	.	0.0	.	.	20.4
Triumph 1910W	41	166.5	100.0	.	0.0	.	.	22.7
Vineyard V58W	42	177.4	100.0	.	0.7	.	.	19.5
<i>Vineyard V442W</i>	43	174.8	100.0	.	1.4	.	.	20.0
Vineyard V448W	44	175.5	100.0	.	0.7	.	.	20.2
Vineyard V449W	45	168.7	100.0	.	0.0	.	.	20.7

Table 8. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	158.2	100.0	.	0.7	.	.	18.8
Whisnand 51AW	47	171.5	100.0	.	0.0	.	.	20.1
Whisnand 92AW	48	174.6	100.0	.	0.0	.	.	23.5
Whisnand 95W	49	185.1	100.0	.	0.7	.	.	21.9
Wilson E954003	50	160.1	100.0	.	0.0	.	.	22.0
Wilson E954004	51	158.4	100.0	.	0.0	.	.	21.4
Zimmerman Z62W	52	197.9	100.0	.	0.7	.	.	18.7
Zimmerman Z64W	53	203.2	100.0	.	0.0	.	.	20.3
Zimmerman Z70W	54	189.9	100.0	.	1.4	.	.	21.3
White check (K55 × CI66)FR802W	55	129.2	100.0	.	0.7	.	.	23.3
Yellow check B73 × Mo17	56	186.5	100.0	.	0.7	.	.	16.7
Yellow check Pioneer Brand 3245	57	203.5	100.0	.	1.4	.	.	18.1
Yellow check Pioneer Brand 3394	58	197.3	100.0	.	2.1	.	.	16.5
Mean		175.9	100.0	.	0.7	.	.	20.1
LSD 0.05		18.3	ns		ns			1.9
CV%		6.4						5.8

Table 9. Yield and agronomic data from the 1995 White Food Corn Performance Test at Lexington, KY. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	149.9	91.7	0.0	2.9	31.8	70.0	21.5
Bo-Jac 523W	2	131.6	100.0	1.4	1.4	40.9	70.0	17.7
<i>Bo-Jac 3417W</i>	3	144.9	100.0	0.5	1.4	44.7	71.3	18.0
Cargill 8097W	4	146.2	100.0	0.0	3.2	44.6	70.7	17.8
<i>Cargill X7510W</i>	5	152.1	100.0	0.5	6.0	44.8	70.0	16.0
<i>Cargill X7511W</i>	6	166.9	100.0	0.0	2.3	42.5	70.7	16.2
DeKalb Genetics DK703W	7	134.9	100.0	1.4	0.9	39.0	71.3	18.0
DeKalb Genetics 739W	8	138.0	100.0	0.0	0.9	32.2	70.7	17.0
DeKalb Genetics 742W	9	130.3	100.0	0.5	2.3	32.9	70.0	17.0
<i>DeKalb Genetics EXP566W</i>	10	129.6	100.0	0.0	1.4	36.4	70.0	17.7
<i>DeKalb Genetics EXP567W</i>	11	138.9	100.0	0.0	2.8	38.5	70.7	16.7
<i>Genetic Resources GRI94181</i>	12	120.6	100.0	0.5	4.6	48.1	73.7	18.8
<i>Genetic Resources GRI94185</i>	13	145.2	100.0	0.0	1.4	48.5	73.0	17.8
Golden Harvest H-2651W	14	145.3	100.0	0.0	2.3	42.2	70.7	19.5
Golden Harvest H-2633W	15	157.4	100.0	0.0	1.4	40.4	70.0	18.6
Hoegemeyer 1125W	16	137.7	100.0	0.0	1.4	42.9	72.0	18.0
Hoegemeyer 1131W	17	124.1	100.0	0.5	2.8	42.8	71.3	17.4
Hoegemeyer 1142W	18	140.0	100.0	0.0	0.5	40.3	72.7	21.1
<i>Hoegemeyer X581W</i>	19	135.5	100.0	0.0	2.8	40.7	71.3	17.3
<i>ICI Seeds 8317W</i>	20	145.1	100.0	0.0	2.3	45.0	70.7	18.3
ICI Seeds 8320W	21	146.0	100.0	0.0	2.3	41.6	70.7	17.9
<i>IFSI 90-1</i>	22	137.8	100.0	0.5	2.8	45.8	70.0	17.9
IFSI 90-4	23	151.0	100.0	0.0	1.9	39.6	70.0	19.0
IFSI 94-3	24	160.0	100.0	0.0	1.9	41.6	70.7	20.6
<i>IFSI 95-1</i>	25	130.6	100.0	0.0	1.4	40.0	72.0	20.3
<i>LG Seeds NB749W</i>	26	147.0	100.0	0.5	0.9	45.8	71.3	18.5
NC+ 7248W	27	151.1	100.0	0.0	0.5	43.7	70.7	17.7
Northrup King N7580W	28	156.7	100.0	1.4	0.0	43.4	70.7	17.4
<i>Northrup King X7744W</i>	29	143.9	100.0	0.5	3.7	45.4	71.3	18.4
Pioneer Brand 3203W	30	142.4	100.0	0.0	5.6	39.5	70.7	17.8
Pioneer Brand 3281W	31	146.6	100.0	0.0	3.2	45.4	73.7	17.4
Pioneer Brand 3287W	32	109.3	75.0	0.7	0.5	39.5	69.7	17.3
Sturdy Grow SG765W	33	152.7	100.0	0.0	3.7	43.7	70.7	16.7
Sturdy Grow SG777W	34	149.2	100.0	0.0	2.3	43.9	72.7	17.6
Sturdy Grow SG797W	35	146.1	100.0	1.4	1.4	40.8	72.7	18.6
Sturdy Grow SG798W	36	143.8	100.0	0.0	2.3	45.5	73.3	18.4
<i>Sturdy Grow EXP 94002</i>	37	149.2	100.0	0.5	1.9	43.9	70.7	17.4
<i>TN 95-1</i>	38	141.0	100.0	0.9	3.7	43.3	72.7	20.4
<i>Trisler T-93W2</i>	39	139.7	100.0	0.0	2.8	41.6	70.7	17.3
<i>Trisler T-4114W</i>	40	135.5	100.0	0.5	1.4	41.5	70.0	17.7
Triumph 1910W	41	137.4	100.0	0.5	1.9	36.9	72.0	20.6
Vineyard V58W	42	148.5	100.0	0.0	0.9	44.3	70.7	18.9
<i>Vineyard V442W</i>	43	117.5	100.0	0.9	4.2	39.4	70.7	18.4
Vineyard V448W	44	130.7	100.0	0.0	2.8	46.5	72.0	17.2
Vineyard V449W	45	127.0	100.0	0.9	3.2	39.3	70.7	17.5

Table 9. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	114.0	100.0	0.0	1.4	44.2	71.3	17.5
Whisnand 51AW	47	144.0	100.0	0.5	1.9	42.2	70.0	17.8
Whisnand 92AW	48	158.2	96.8	0.0	1.4	39.6	72.0	21.4
<i>Whisnand 95W</i>	49	144.5	100.0	0.0	5.1	47.2	72.7	19.0
<i>Wilson E954003</i>	50	112.0	100.0	0.0	1.4	47.1	74.3	19.1
<i>Wilson E954004</i>	51	124.4	100.0	0.0	0.5	42.1	72.0	19.1
Zimmerman Z62W	52	152.2	100.0	0.0	1.4	43.3	72.0	16.5
Zimmerman Z64W	53	150.4	100.0	0.0	2.8	42.4	74.3	18.4
<i>Zimmerman Z70W</i>	54	125.1	100.0	0.0	2.8	42.2	71.3	20.6
White check (K55 × CI66)FR802W	55	89.3	94.0	0.9	7.2	44.5	77.7	19.6
Yellow check B73 × Mo17	56	130.7	77.8	0.0	1.8	43.8	70.0	15.2
Yellow check Pioneer Brand 3245	57	151.7	100.0	0.0	1.4	38.9	70.7	16.2
<i>Yellow check Pioneer Brand 3394</i>	58	149.3	100.0	0.0	1.9	38.7	70.0	15.7
Mean		139.7	98.9	0.3	2.3	42.0	71.4	18.2
LSD 0.05		22.9	5.7	ns	2.9	5.6	2.0	0.9
CV%		10.0	3.5		76.9	8.1	1.7	3.1

Table 10. Yield and agronomic data from the 1995 White Food Corn Performance Test at Columbia, MO. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	99.8	96.5	1.4	10.6	35.9	67.0	24.8
Bo-Jac 523W	2	77.8	100.0	0.7	9.7	51.1	69.0	20.8
<i>Bo-Jac 3417W</i>	3	105.4	98.6	0.0	9.9	51.1	69.3	23.9
Cargill 8097W	4	90.4	100.0	0.7	10.4	50.9	68.0	21.1
<i>Cargill X7510W</i>	5	117.0	96.5	2.2	12.1	46.8	68.0	20.7
<i>Cargill X7511W</i>	6	105.3	96.5	0.7	13.0	49.1	69.0	22.4
DeKalb Genetics DK703W	7	91.8	96.5	1.5	7.4	48.6	68.7	22.0
DeKalb Genetics 739W	8	102.6	97.9	0.7	4.2	33.4	66.3	22.6
DeKalb Genetics 742W	9	104.4	97.9	0.7	11.3	39.0	67.0	22.0
<i>DeKalb Genetics EXP566W</i>	10	92.7	100.0	0.0	12.5	39.5	68.7	22.4
<i>DeKalb Genetics EXP567W</i>	11	65.3	96.5	0.0	8.7	46.1	69.0	22.0
<i>Genetic Resources GRI94181</i>	12	84.0	96.5	4.9	12.3	55.9	71.7	24.6
<i>Genetic Resources GRI94185</i>	13	66.7	97.9	1.4	5.6	51.2	70.0	25.2
Golden Harvest H-2651W	14	106.6	100.0	3.5	12.5	46.2	68.7	22.4
Golden Harvest H-2633W	15	122.9	100.0	0.0	4.9	41.0	67.7	24.6
Hoegemeyer 1125W	16	91.1	100.0	0.0	11.8	51.7	69.3	22.6
Hoegemeyer 1131W	17	72.5	100.0	1.4	13.9	51.6	69.0	21.1
Hoegemeyer 1142W	18	128.9	99.3	0.7	9.7	46.0	69.3	18.7
<i>Hoegemeyer X581W</i>	19	92.7	100.0	1.4	11.8	49.5	69.3	22.7
<i>ICI Seeds 8317W</i>	20	87.6	98.6	0.0	2.8	48.4	69.3	22.9
ICI Seeds 8320W	21	70.6	85.4	1.4	27.7	51.7	69.7	22.9
<i>IFSI 90-1</i>	22	67.9	100.0	0.0	4.9	52.2	69.0	20.6
IFSI 90-4	23	104.2	98.6	1.4	13.3	46.0	69.0	24.6
IFSI 94-3	24	89.8	98.6	3.5	13.3	43.7	69.3	20.8
<i>IFSI 95-1</i>	25	119.4	97.9	0.0	5.0	47.1	69.0	21.7
<i>LG Seeds NB749W</i>	26	122.1	98.6	0.0	5.6	49.3	68.7	22.9
NC+ 7248W	27	112.5	97.2	0.0	8.5	52.1	70.3	23.0
Northrup King N7580W	28	125.2	100.0	1.4	6.2	49.5	69.0	23.8
<i>Northrup King X7744W</i>	29	101.8	97.9	2.1	5.7	50.8	69.0	22.3
Pioneer Brand 3203W	30	89.9	96.5	3.0	12.2	44.1	69.7	20.4
Pioneer Brand 3281W	31	104.6	91.7	0.7	7.3	43.1	69.0	20.3
Pioneer Brand 3287W	32	110.3	97.2	3.0	2.8	43.7	67.7	21.4
Sturdy Grow SG765W	33	87.4	98.6	3.5	3.6	49.1	68.3	21.2
Sturdy Grow SG777W	34	92.6	98.6	0.7	6.9	50.4	70.0	21.5
Sturdy Grow SG797W	35	112.4	99.3	0.0	10.5	50.8	69.3	23.4
Sturdy Grow SG798W	36	101.6	99.3	0.7	9.8	51.3	69.7	23.3
<i>Sturdy Grow EXP 94002</i>	37	96.3	98.6	0.0	14.1	47.8	69.3	23.9
<i>TN 95-1</i>	38	103.8	98.6	2.8	7.8	48.0	70.7	23.1
<i>Trisler T-93W2</i>	39	96.4	96.5	0.0	7.2	45.9	69.0	20.9
<i>Trisler T-4114W</i>	40	72.9	98.6	0.0	9.1	52.9	69.3	20.7
Triumph 1910W	41	114.3	96.5	0.0	8.4	44.5	69.3	20.7
Vineyard V58W	42	99.7	98.6	0.0	7.1	49.9	69.0	22.3
<i>Vineyard V442W</i>	43	86.7	97.2	1.4	9.4	44.3	67.3	22.8
Vineyard V448W	44	119.8	98.6	5.6	4.3	46.3	69.0	22.6
Vineyard V449W	45	101.5	96.5	1.4	3.6	43.4	68.7	22.2

Table 10. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	108.9	93.7	1.5	3.6	43.8	68.7	23.7
Whisnand 51AW	47	83.9	98.6	1.4	11.2	52.5	69.0	22.1
Whisnand 92AW	48	116.7	100.0	0.7	11.1	47.6	69.0	24.2
<i>Whisnand 95W</i>	49	112.7	98.6	1.4	15.5	53.3	70.0	24.1
<i>Wilson E954003</i>	50	122.0	97.2	2.8	6.4	52.5	71.7	24.1
<i>Wilson E954004</i>	51	104.8	100.0	0.0	12.5	53.1	71.3	23.3
Zimmerman Z62W	52	91.2	99.3	0.7	9.1	51.4	70.7	21.1
Zimmerman Z64W	53	99.4	95.1	5.9	2.8	51.4	71.0	22.5
<i>Zimmerman Z70W</i>	54	101.9	96.5	1.4	7.9	52.2	70.3	20.3
White check (K55 × CI66)FR802W	55	78.9	68.7	5.4	17.3	54.7	72.0	23.2
Yellow check B73 × Mo17	56	111.5	88.2	3.8	2.3	48.8	69.0	21.4
Yellow check Pioneer Brand 3245	57	123.1	100.0	0.0	6.2	42.3	69.0	19.2
<i>Yellow check Pioneer Brand 3394</i>	58	116.5	98.6	1.4	4.2	43.4	68.7	19.9
Mean		99.7	97.2	1.4	9.0	47.9	69.2	22.3
LSD 0.05		27.2	7.4	ns	ns	3.4	1.2	2.7
CV%		16.8	4.7			4.4	1.1	7.5

Table 11. Yield and agronomic data from the 1995 White Food Corn Performance Test at Knoxville, TN. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	103.6	96.3	0.0	1.2	37.3	69.3	20.5
Bo-Jac 523W	2	92.5	98.8	0.0	1.9	46.3	71.0	15.3
<i>Bo-Jac 3417W</i>	3	76.7	98.8	0.0	0.6	46.7	71.7	16.2
Cargill 8097W	4	98.0	98.8	0.0	1.2	49.0	71.0	15.6
<i>Cargill X7510W</i>	5	125.8	100.0	0.0	4.3	49.0	68.7	14.0
<i>Cargill X7511W</i>	6	96.0	96.3	0.0	6.3	49.7	69.0	15.6
DeKalb Genetics DK703W	7	80.0	98.8	0.0	4.4	46.7	70.3	15.3
DeKalb Genetics 739W	8	102.9	96.3	0.0	0.0	39.7	69.0	15.3
DeKalb Genetics 742W	9	102.3	100.0	0.0	1.9	36.0	71.0	17.5
<i>DeKalb Genetics EXP566W</i>	10	70.7	99.4	0.0	10.5	43.0	69.3	15.6
<i>DeKalb Genetics EXP567W</i>	11	114.2	96.3	0.0	1.3	47.0	69.7	15.4
<i>Genetic Resources GRI94181</i>	12	59.7	96.9	0.0	8.9	51.7	74.3	18.4
<i>Genetic Resources GRI94185</i>	13	83.8	95.7	0.0	1.9	50.3	74.0	16.9
Golden Harvest H-2651W	14	108.9	98.8	0.0	4.4	49.0	70.3	17.5
Golden Harvest H-2633W	15	106.7	96.9	0.0	3.9	43.7	69.0	17.8
Hoegemeyer 1125W	16	72.9	98.1	0.0	0.0	46.3	71.7	16.5
Hoegemeyer 1131W	17	89.1	98.8	0.0	1.3	49.0	72.7	14.8
Hoegemeyer 1142W	18	75.7	98.8	0.0	1.9	42.7	71.3	18.2
<i>Hoegemeyer X581W</i>	19	89.3	93.8	0.0	3.2	45.7	70.3	16.4
<i>ICI Seeds 8317W</i>	20	85.3	98.8	0.0	0.0	46.7	72.0	16.7
ICI Seeds 8320W	21	112.8	98.1	0.0	1.3	53.0	70.3	15.7
<i>IFSI 90-1</i>	22	82.5	96.9	0.0	0.0	47.3	70.7	15.1
IFSI 90-4	23	111.2	101.2	0.0	3.1	47.0	70.0	17.7
IFSI 94-3	24	100.6	89.5	0.0	0.8	43.7	71.3	19.8
<i>IFSI 95-1</i>	25	100.0	96.9	0.0	1.2	47.3	70.3	18.7
<i>LG Seeds NB749W</i>	26	90.1	97.5	0.0	1.3	46.3	71.3	17.0
NC+ 7248W	27	59.5	101.9	0.0	1.2	46.7	73.3	17.2
Northrup King N7580W	28	88.6	103.1	0.0	0.0	48.3	69.7	16.9
<i>Northrup King X7744W</i>	29	70.8	98.1	0.0	0.0	47.0	71.0	16.7
Pioneer Brand 3203W	30	104.3	97.5	0.0	0.6	45.7	72.7	15.9
Pioneer Brand 3281W	31	92.3	98.8	0.0	0.0	49.0	71.7	15.6
Pioneer Brand 3287W	32	79.4	81.5	0.0	0.9	45.0	67.7	15.2
Sturdy Grow SG765W	33	97.0	99.4	0.0	0.6	47.7	70.7	15.0
Sturdy Grow SG777W	34	88.0	100.0	0.0	1.2	49.3	71.0	15.3
Sturdy Grow SG797W	35	101.4	98.1	0.0	0.0	48.3	70.7	16.7
Sturdy Grow SG798W	36	83.9	95.7	0.7	0.0	46.0	71.3	17.2
<i>Sturdy Grow EXP 94002</i>	37	92.3	97.5	0.0	0.0	45.7	70.7	17.7
<i>TN 95-1</i>	38	109.7	95.1	0.0	1.2	45.3	72.7	20.1
<i>Trisler T-93W2</i>	39	91.0	96.3	0.0	1.9	46.3	70.3	16.0
<i>Trisler T-4114W</i>	40	100.6	98.1	0.0	0.0	46.7	72.7	15.8
Triumph 1910W	41	68.6	92.0	0.0	1.3	41.0	70.7	17.7
Vineyard V58W	42	102.2	98.8	0.0	0.0	49.0	71.3	16.0
<i>Vineyard V442W</i>	43	113.6	101.2	0.0	0.6	42.0	70.3	17.6
Vineyard V448W	44	109.8	96.3	0.0	0.0	48.3	69.3	16.6
Vineyard V449W	45	96.1	97.5	0.0	3.2	43.0	70.3	16.3

Table 11. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	104.1	98.8	0.0	0.6	44.7	70.0	15.0
Whisnand 51AW	47	95.3	98.1	0.0	0.0	28.7	71.3	15.8
Whisnand 92AW	48	69.5	95.7	0.0	1.3	45.0	72.0	18.3
<i>Whisnand 95W</i>	49	70.0	97.5	0.0	5.7	48.7	72.3	17.3
<i>Wilson E954003</i>	50	68.5	97.5	0.0	0.0	53.0	74.7	19.5
<i>Wilson E954004</i>	51	74.3	96.9	0.0	0.0	50.7	73.3	20.2
Zimmerman Z62W	52	91.1	98.8	0.0	0.0	46.3	72.0	14.5
Zimmerman Z64W	53	112.7	100.6	0.0	1.3	51.7	70.7	17.0
<i>Zimmerman Z70W</i>	54	97.4	95.7	0.0	0.6	51.0	73.3	18.4
White check (K55 × CI66)FR802W	55	51.5	66.0	0.0	0.8	51.0	75.7	19.2
Yellow check B73 × Mo17	56	94.6	96.9	0.0	0.6	49.3	69.3	14.1
Yellow check Pioneer Brand 3245	57	123.3	88.9	0.0	0.0	43.3	70.7	14.7
<i>Yellow check Pioneer Brand 3394</i>	58	127.4	95.7	0.0	0.0	46.7	68.3	13.9
Mean		92.4	96.7	0.0	1.6	46.4	71.1	16.7
LSD 0.05		26.7	7.3	ns	3.8	7.3	1.6	1.2
CV%		17.7	4.6		148.2	9.7	1.4	4.6

Table 12. Yield and agronomic data from the 1995 White Food Corn Performance Test at College Station, TX. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>Asgrow X940481W</i>	1	198.8	72.2	.	.	28.0	84.0	17.2 [†]
Bo-Jac 523W	2	185.7	85.0 [†]	.	.	37.3	85.7	15.6
<i>Bo-Jac 3417W</i>	3	182.2	97.2	.	.	36.7	86.0	15.9
Cargill 8097W	4	194.5	91.7	.	.	36.3	86.0	16.0
<i>Cargill X7510W</i>	5	215.5	91.1	.	.	33.3	84.3	15.2
<i>Cargill X7511W</i>	6	199.7	104.4	.	.	34.3	85.7	14.9
DeKalb Genetics DK703W	7	181.8	85.6	.	.	34.7	85.7	16.5
DeKalb Genetics 739W	8	182.4	93.3	.	.	25.3	86.0	15.2 [†]
DeKalb Genetics 742W	9	165.2	77.2	.	.	30.3	84.3	15.3 [†]
<i>DeKalb Genetics EXP566W</i>	10	208.6	113.3	.	.	28.0	85.7	15.8
<i>DeKalb Genetics EXP567W</i>	11	197.5	78.9	.	.	34.7	85.7	15.1
<i>Genetic Resources GRI94181</i>	12	155.1	85.6	.	.	35.7	89.7	15.1
<i>Genetic Resources GRI94185</i>	13	214.4	99.4	.	.	36.3	88.7	15.9
Golden Harvest H-2651W	14	201.8	90.0	.	.	36.3	87.3	15.7
Golden Harvest H-2633W	15	182.7	101.1	.	.	31.0	85.3	16.2
Hoegemeyer 1125W	16	206.8	103.3	.	.	35.0	86.7	15.7
Hoegemeyer 1131W	17	222.5	75.0	.	.	36.7	86.0	15.4
Hoegemeyer 1142W	18	190.4	94.4	.	.	31.7	86.0	16.6
<i>Hoegemeyer X581W</i>	19	169.1	68.9	.	.	32.7	85.3	14.7
<i>ICI Seeds 8317W</i>	20	227.9	106.1	.	.	36.3	86.3	15.7
ICI Seeds 8320W	21	190.2	101.7	.	.	35.0	85.7	15.2
<i>IFSI 90-1</i>	22	193.2	102.2	.	.	35.3	85.7	15.9
IFSI 90-4	23	205.1	92.8	.	.	32.3	85.3	16.0
IFSI 94-3	24	217.0	96.1	.	.	32.3	86.7	16.6
<i>IFSI 95-1</i>	25	203.6	113.3	.	.	33.0	87.3	17.6
<i>LG Seeds NB749W</i>	26	182.4	101.1	.	.	33.7	85.7	15.7
NC+ 7248W	27	202.2	95.6	.	.	36.0	87.7	16.0
Northrup King N7580W	28	216.2	98.9	.	.	36.3	86.0	16.0
<i>Northrup King X7744W</i>	29	205.8	105.0	.	.	34.7	86.7	16.3
Pioneer Brand 3203W	30	216.4	95.6	.	.	37.0	88.7	14.3
Pioneer Brand 3281W	31	215.0	100.6	.	.	35.0	87.3	16.2
Pioneer Brand 3287W	32	177.4	98.3	.	.	32.7	83.7	15.3
Sturdy Grow SG765W	33	214.7	101.1	.	.	33.3	85.0	15.4
Sturdy Grow SG777W	34	231.9	94.4	.	.	38.7	85.7	16.0
Sturdy Grow SG797W	35	210.1	107.2	.	.	36.0	85.0	16.2
Sturdy Grow SG798W	36	202.1	83.3	.	.	36.0	86.0	16.4
<i>Sturdy Grow EXP 94002</i>	37	215.3	92.2	.	.	37.0	86.3	16.0
<i>TN 95-1</i>	38	195.3	83.9	.	.	36.3	87.3	16.3
<i>Trisler T-93W2</i>	39	197.9	80.6	.	.	35.3	86.3	15.2
<i>Trisler T-4114W</i>	40	210.1	105.0	.	.	39.0	86.3	15.6
Triumph 1910W	41	161.6	65.0	.	.	31.3	85.3	17.1
Vineyard V58W	42	194.4	91.7	.	.	34.7	86.0	16.4
<i>Vineyard V442W</i>	43	149.0	85.0	.	.	28.7	85.0	15.4
Vineyard V448W	44	190.6	81.1	.	.	32.0	85.7	16.1
Vineyard V449W	45	151.4	79.4	.	.	30.0	86.3	16.1

Table 12. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V453W	46	193.2	114.4	.	.	34.3	85.3	15.4
Whisnand 51AW	47	196.7	106.7	.	.	35.0	85.7	15.5
Whisnand 92AW	48	186.8	103.9	.	.	34.7	86.7	16.8
<i>Whisnand 95W</i>	49	188.8	93.3	.	.	38.0	88.3	16.5
<i>Wilson E954003</i>	50	200.1	94.4	.	.	38.3	90.7	16.8
<i>Wilson E954004</i>	51	160.8	86.7	.	.	37.3	89.0 [†]	17.0
Zimmerman Z62W	52	201.6	105.0	.	.	36.0	89.0	14.5 [†]
Zimmerman Z64W	53	204.3	96.1	.	.	38.3	89.3	15.7
<i>Zimmerman Z70W</i>	54	200.8	91.7	.	.	40.0	89.3	16.2
White check (K55×CI66)FR802W	55	155.8	85.6	.	.	41.7	90.0	16.1
Yellow check B73×Mo17	56	172.5	87.2	.	.	37.0	84.7	14.8 [‡]
Yellow check Pioneer Brand 3245	57	214.4	93.3	.	.	33.0	89.3	15.3
<i>Yellow check Pioneer Brand 3394</i>	58	185.9	93.3	.	.	33.0	85.0	14.0 [†]
Mean		194.7	93.4	.	.	34.6	86.5	15.8
LSD 0.05		33.6	23.4			3.8	1.5	0.8
CV%		10.6	15.4			6.6	1.0	3.1

[†] Data from two replications.

[‡] Data from one replication.

Table 13. Combined yield and agronomic data from 10 locations of the 1995 White Food Corn Performance Test. New entries for 1995 are in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)	b _I (bu/a/I)	Std. devn. (bu/a)
<i>Asgrow X940481W</i>	1	134.3	93.5	0.2	2.2	34.7	75.3	23.0	0.78	14.9
Bo-Jac 523W	2	136.7	98.0	0.3	2.1	44.5	76.5	18.1	1.03	12.3
<i>Bo-Jac 3417W</i>	3	136.3	98.2	0.1	1.5	45.6	77.3	19.3	0.89	8.9
Cargill 8097W	4	140.7	97.8	0.6	2.5	45.8	76.6	18.4	1.03	9.3
<i>Cargill X7510W</i>	5	160.3	97.7	1.1	3.3	44.8	75.3	17.2	0.88	6.8
<i>Cargill X7511W</i>	6	156.5	98.9	0.8	3.2	44.7	76.1	17.7	0.98	11.3
DeKalb Genetics DK703W	7	130.9	96.4	1.3	1.7	44.4	76.5	18.9	1.00	11.0
DeKalb Genetics 739W	8	128.2	96.5	1.4	0.7	34.5	75.2	18.7	0.73	9.4
DeKalb Genetics 742W	9	127.0	96.0	0.7	2.6	35.0	75.5	18.8	0.67	8.5
<i>DeKalb Genetics EXP566W</i>	10	128.0	99.8	0.0	3.2	36.9	75.5	18.0	1.06	10.4
<i>DeKalb Genetics EXP567W</i>	11	142.9	94.7	0.2	2.3	42.8	76.2	17.6	1.02	17.3
<i>Genetic Resources GRI94181</i>	12	111.4	96.8	1.7	4.5	48.7	80.1	21.2	1.07	10.8
<i>Genetic Resources GRI94185</i>	13	136.0	97.5	1.0	2.0	47.1	79.3	20.3	1.26	12.7
Golden Harvest H-2651W	14	144.6	97.1	0.5	3.0	44.3	76.6	21.1	0.95	6.3
Golden Harvest H-2633W	15	143.1	98.1	0.2	1.8	39.9	75.5	21.1	0.78	9.9
Hoegemeyer 1125W	16	134.6	97.2	0.1	2.0	45.3	77.7	19.5	1.19	10.7
Hoegemeyer 1131W	17	136.7	96.2	0.6	2.6	45.2	77.1	18.3	1.19	14.5
Hoegemeyer 1142W	18	138.1	98.5	0.1	1.6	41.4	77.1	21.6	0.96	12.0
<i>Hoegemeyer X581W</i>	19	139.1	94.1	0.2	2.5	43.9	76.6	17.9	1.01	14.6
<i>ICI Seeds 8317W</i>	20	145.0	98.9	0.0	1.0	45.8	77.1	19.5	1.21	11.1
ICI Seeds 8320W	21	141.2	96.5	0.3	4.6	46.4	76.6	18.6	0.95	15.2
<i>IFSI 90-1</i>	22	140.2	98.2	0.1	1.5	46.8	76.3	18.2	1.20	15.8
IFSI 90-4	23	147.5	98.0	0.2	2.8	42.9	75.9	21.0	0.90	11.1
IFSI 94-3	24	151.0	97.7	0.6	2.5	41.2	76.8	21.4	1.20	11.0
<i>IFSI 95-1</i>	25	143.5	99.6	0.1	1.1	43.0	77.2	21.5	1.12	11.8
<i>LG Seeds NB749W</i>	26	144.1	98.3	0.1	1.3	45.0	76.9	19.2	0.81	12.0
NC+ 7248W	27	135.7	98.4	0.1	1.9	43.8	77.9	19.7	1.13	14.1
Northrup King N7580W	28	146.1	99.2	0.5	1.3	44.7	76.7	19.4	1.04	11.4
<i>Northrup King X7744W</i>	29	133.2	99.5	0.6	1.8	46.0	77.1	19.6	1.15	10.2
Pioneer Brand 3203W	30	148.4	97.7	0.4	3.0	42.2	78.1	18.3	1.16	12.7
Pioneer Brand 3281W	31	140.1	97.7	0.1	1.3	43.4	77.9	18.4	1.11	8.6
Pioneer Brand 3287W	32	125.6	93.5	1.5	0.7	40.9	74.5	18.2	0.79	11.1
Sturdy Grow SG765W	33	141.2	99.1	1.4	1.5	44.1	76.3	17.8	0.94	16.6
Sturdy Grow SG777W	34	146.3	98.5	0.3	1.7	45.8	77.1	18.5	1.17	12.3
Sturdy Grow SG797W	35	149.3	99.6	0.2	1.5	45.4	77.1	19.5	0.98	5.8
Sturdy Grow SG798W	36	140.4	96.7	0.3	2.0	44.6	77.6	19.5	1.04	10.9
<i>Sturdy Grow EXP 94002</i>	37	142.0	97.5	0.1	2.5	44.3	76.7	19.2	1.08	9.0
<i>TN 95-1</i>	38	137.4	96.0	1.0	2.6	45.1	78.0	21.7	0.94	11.0
<i>Trisler T-93W2</i>	39	146.0	95.6	0.0	2.7	45.5	76.9	17.8	1.12	9.9
<i>Trisler T-4114W</i>	40	138.2	98.0	0.1	1.7	46.0	77.0	18.7	1.13	11.9
Triumph 1910W	41	130.2	94.1	0.1	1.7	39.8	76.7	21.8	0.87	14.2
Vineyard V58W	42	144.9	97.9	0.0	1.3	44.9	76.9	19.5	0.97	9.4
<i>Vineyard V442W</i>	43	127.4	97.0	0.6	2.3	40.3	75.9	20.2	0.76	15.3
Vineyard V448W	44	138.8	95.1	1.0	1.2	44.2	76.5	19.2	0.84	9.7
Vineyard V449W	45	133.4	96.0	0.8	1.5	41.5	76.4	19.3	0.79	13.5

Table 13. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)	b _I (bu/a/I)	Std. devn. (bu/a)
Vineyard V453W	46	130.5	99.5	0.3	1.1	41.7	76.5	18.6	0.84	12.4
Whisnand 51AW	47	138.0	98.9	0.3	2.0	42.7	76.5	18.6	1.02	7.4
Whisnand 92AW	48	136.7	99.0	0.2	2.2	43.8	77.5	22.5	1.02	14.3
<i>Whisnand 95W</i>	49	138.5	98.0	0.2	4.3	47.0	78.3	20.9	1.10	14.2
<i>Wilson E954003</i>	50	114.8	96.8	0.7	1.0	47.3	80.3	21.7	1.00	27.5
<i>Wilson E954004</i>	51	116.4	97.9	0.0	1.8	46.5	79.1	22.0	0.87	16.4
Zimmerman Z62W	52	143.6	99.2	0.6	1.8	44.1	78.1	17.4	1.23	11.6
Zimmerman Z64W	53	149.6	96.3	2.2	1.9	46.8	78.9	20.1	1.25	14.2
<i>Zimmerman Z70W</i>	54	138.3	96.6	1.2	2.0	47.8	78.3	21.3	1.14	9.8
White check (K55 × CI66)FR802W	55	82.9	83.4	2.7	4.1	48.6	81.3	21.7	0.94	23.8
Yellow check B73 × Mo17	56	135.9	93.4	1.3	1.0	44.1	75.8	16.6	0.90	9.8
Yellow check Pioneer Brand 3245	57	160.0	97.8	0.3	1.3	40.0	77.4	16.9	1.00	6.1
<i>Yellow check Pioneer Brand 3394</i>	58	148.6	97.1	0.4	1.0	41.0	75.2	16.1	0.80	15.9
Mean		137.9	97.1	0.5	2.1	43.7	77.0	19.4	1.00	12.1
LSD 0.05		11.9	4.0	1.1	1.8	2.4	1.1	1.2	0.07	
CV%		10.6	6.0	273.1	145.9	7.8	1.3	5.0		
Location means:										
Champaign, IL		114.2	99.3	1.5	0.2	35.7	.	18.1		
Paris, IL		164.9	99.6	0.5	0.8	54.5	.	21.5		
Winchester, IL		156.6	99.8	0.1	0.5	52.9	.	17.7		
West Lafayette, IN		85.8	91.5	.	.	39.6	.	21.4		
Topeka, KS [†]		154.8	94.4	0.0	1.6	39.6	87.0	22.6		
Henderson, KY		175.9	100.0	.	0.7	.	.	20.1		
Lexington, KY		139.7	98.9	0.3	2.3	42.0	71.4	18.2		
Columbia, MO		99.7	97.2	1.4	9.0	47.9	69.2	22.3		
Knoxville, TN		92.4	96.7	0.0	1.6	46.4	71.1	16.7		
College Station, TX [†]		194.7	93.4	.	.	34.6	86.5	15.8		

[†] Irrigated location.

Table 14. Yield data (bu/a) from 10 locations of the 1995 White Food Corn Performance Test.

Entry	No.	Cham- paign, IL	Paris, IL	Win- chester, IN	W. La- fayette, IN	Topeka, KS [†]	Hender- son, KY	Lexing- ton KY	Colum- bia, MO	Knox- ville, TN	College Station, TX [†]	Com- bined
<i>Asgrow X940481W</i>	1	136.1	146.2	136.1	82.8	143.8	146.0	149.9	99.8	103.6	198.8	134.3
<i>Bo-Jac 523W</i>	2	118.8	182.2	164.3	92.7	141.8	180.0	131.6	77.8	92.5	185.7	136.7
<i>Bo-Jac 3417W</i>	3	117.3	156.7	160.9	99.8	147.6	171.7	144.9	105.4	76.7	182.2	136.3
<i>Cargill 8097W</i>	4	114.3	182.6	168.2	91.4	143.1	178.7	146.2	90.4	98.0	194.5	140.7
<i>Cargill X7510W</i>	5	147.7	183.1	181.9	116.5	174.0	189.3	152.1	117.0	125.8	215.5	160.3
<i>Cargill X7511W</i>	6	138.8	183.6	174.4	119.8	183.2	196.9	166.9	105.3	96.0	199.7	156.5
<i>DeKalb Genetics DK703W</i>	7	84.3	160.4	153.4	94.3	158.6	169.8	134.9	91.8	80.0	181.8	130.9
<i>DeKalb Genetics 739W</i>	8	119.1	142.1	134.8	78.3	135.2	146.6	138.0	102.6	102.9	182.4	128.2
<i>DeKalb Genetics 742W</i>	9	122.8	147.9	142.2	78.4	124.3	152.2	130.3	104.4	102.3	165.2	127.0
<i>DeKalb Genetics EXP566W</i>	10	106.6	149.6	140.0	83.0	139.5	159.7	129.6	92.7	70.7	208.6	128.0
<i>DeKalb Genetics EXP567W</i>	11	136.3	182.4	167.4	94.5	156.9	175.6	138.9	65.3	114.2	197.5	142.9
<i>Genetic Resources GRI94181</i>	12	80.7	139.4	141.9	43.1	127.9	161.5	120.6	84.0	59.7	155.1	111.4
<i>Genetic Resources GRI94185</i>	13	119.7	176.2	167.8	73.2	146.4	166.2	145.2	66.7	83.8	214.4	136.0
<i>Golden Harvest H-2651W</i>	14	129.3	170.7	151.4	87.8	164.6	180.0	145.3	106.6	108.9	201.8	144.6
<i>Golden Harvest H-2633W</i>	15	132.0	163.9	163.0	83.2	153.9	165.7	157.4	122.9	106.7	182.7	143.1
<i>Hoegemeyer 1125W</i>	16	86.4	167.0	165.6	90.8	151.2	177.0	137.7	91.1	72.9	206.8	134.6
<i>Hoegemeyer 1131W</i>	17	105.3	173.0	158.8	99.0	147.0	176.0	124.1	72.5	89.1	222.5	136.7
<i>Hoegemeyer 1142W</i>	18	111.3	163.1	155.5	83.9	157.8	174.0	140.0	128.9	75.7	190.4	138.1
<i>Hoegemeyer X581W</i>	19	115.3	193.1	161.1	88.7	158.5	188.1	135.5	92.7	89.3	169.1	139.1
<i>ICI Seeds 8317W</i>	20	118.1	166.2	177.8	99.3	158.2	184.8	145.1	87.6	85.3	227.9	145.0
<i>ICI Seeds 8320W</i>	21	128.7	162.7	169.3	98.3	148.1	185.2	146.0	70.6	112.8	190.2	141.2
<i>IFSI 90-1</i>	22	129.1	196.7	157.4	88.7	158.7	190.0	137.8	67.9	82.5	193.2	140.2
<i>IFSI 90-4</i>	23	142.2	179.2	145.6	100.0	150.5	186.3	151.0	104.2	111.2	205.1	147.5
<i>IFSI 94-3</i>	24	121.8	197.9	171.8	90.9	181.9	178.2	160.0	89.8	100.6	217.0	151.0
<i>IFSI 95-1</i>	25	100.6	180.0	163.0	76.4	170.7	191.0	130.6	119.4	100.0	203.6	143.5
<i>LG Seeds NB749W</i>	26	135.3	152.7	176.3	100.1	151.0	184.1	147.0	122.1	90.1	182.4	144.1
<i>NC+ 7248W</i>	27	107.8	148.0	163.2	78.5	157.6	176.7	151.1	112.5	59.5	202.2	135.7
<i>Northrup King N7580W</i>	28	109.1	165.4	163.1	97.5	152.7	186.8	156.7	125.2	88.6	216.2	146.1
<i>Northrup King X7744W</i>	29	88.7	159.6	155.6	83.5	148.8	173.5	143.9	101.8	70.8	205.8	133.2
<i>Pioneer Brand 3203W</i>	30	124.3	175.5	193.6	92.9	149.9	194.7	142.4	89.9	104.3	216.4	148.4

Table 14. Yield data (bu/a) from 10 locations of the 1995 White Food Corn Performance Test.

Entry	No.	Cham- paign, IL	Paris, IL	Win- chester, IN	W. La- fayette, IN	Topeka, KS [†]	Hender- son, KY	Lexing- ton KY	Colum- bia, MO	Knox- ville, TN	College Station, TX [†]	Com- bined
Pioneer Brand 3281W	31	99.6	170.3	160.1	87.4	147.8	177.1	146.6	104.6	92.3	215.0	140.1
Pioneer Brand 3287W	32	108.7	156.5	138.5	85.9	146.1	143.8	109.3	110.3	79.4	177.4	125.6
Sturdy Grow SG765W	33	141.8	157.0	154.1	101.2	131.5	174.3	152.7	87.4	97.0	214.7	141.2
Sturdy Grow SG777W	34	133.6	173.7	172.0	93.0	154.7	173.8	149.2	92.6	88.0	231.9	146.3
Sturdy Grow SG797W	35	134.9	177.9	169.0	96.6	168.6	175.9	146.1	112.4	101.4	210.1	149.3
Sturdy Grow SG798W	36	98.3	157.0	165.9	103.7	166.5	181.1	143.8	101.6	83.9	202.1	140.4
Sturdy Grow EXP 94002	37	112.4	175.0	167.5	94.3	147.6	170.3	149.2	96.3	92.3	215.3	142.0
TN 95-1	38	113.0	169.4	136.0	75.4	163.2	167.0	141.0	103.8	109.7	195.3	137.4
Trisler T-93W2	39	118.6	196.3	174.6	93.7	167.0	185.1	139.7	96.4	91.0	197.9	146.0
Trisler T-4114W	40	111.8	168.0	157.9	92.4	144.9	187.8	135.5	72.9	100.6	210.1	138.2
Triumph 1910W	41	110.9	174.4	141.8	81.7	144.8	166.5	137.4	114.3	68.6	161.6	130.2
Vineyard V58W	42	129.5	178.8	179.6	91.6	147.6	177.4	148.5	99.7	102.2	194.4	144.9
Vineyard V442W	43	100.2	163.2	143.9	82.0	142.8	174.8	117.5	86.7	113.6	149.0	127.4
Vineyard V448W	44	116.3	168.9	140.8	84.4	151.1	175.5	130.7	119.8	109.8	190.6	138.8
Vineyard V449W	45	117.5	169.5	154.9	83.6	163.9	168.7	127.0	101.5	96.1	151.4	133.4
Vineyard V453W	46	116.3	150.6	133.6	74.0	151.6	158.2	114.0	108.9	104.1	193.2	130.5
Whisnand 51AW	47	109.5	163.4	161.1	93.7	161.2	171.5	144.0	83.9	95.3	196.7	138.0
Whisnand 92AW	48	95.9	157.9	158.4	87.2	161.8	174.6	158.2	116.7	69.5	186.8	136.7
Whisnand 95W	49	105.4	167.8	146.1	83.1	181.7	185.1	144.5	112.7	70.0	188.8	138.5
Wilson E954003	50	75.7	103.6	104.5	50.3	151.2	160.1	112.0	122.0	68.5	200.1	114.8
Wilson E954004	51	84.7	124.3	116.0	58.1	157.7	158.4	124.4	104.8	74.3	160.8	116.4
Zimmerman Z62W	52	110.2	165.7	161.2	76.0	189.1	197.9	152.2	91.2	91.1	201.6	143.6
Zimmerman Z64W	53	122.6	190.0	166.7	60.5	186.4	203.2	150.4	99.4	112.7	204.3	149.6
Zimmerman Z70W	54	97.5	169.9	156.9	76.1	167.1	189.9	125.1	101.9	97.4	200.8	138.3
White check (K55 × CI66)FR802W	55	49.8	67.2	81.8	11.6	113.6	129.2	89.3	78.9	51.5	155.8	82.9
Yellow check B73 × Mo17	56	105.4	159.9	157.0	84.6	155.7	186.5	130.7	111.5	94.6	172.5	135.9
Yellow check Pioneer Brand 3245	57	136.6	193.0	175.8	101.6	177.5	203.5	151.7	123.1	123.3	214.4	160.0
Yellow check Pioneer Brand 3394	58	139.3	150.6	182.6	87.1	149.8	197.3	149.3	116.5	127.4	185.9	148.6
Mean		114.2	164.9	156.6	85.8	154.8	175.9	139.7	99.7	92.4	194.7	137.9
LSD 0.05		29.0	19.9	18.2	15.5	21.5	18.3	22.9	27.2	26.7	33.6	11.9
CV%		15.6	7.4	7.1	11.1	8.5	6.4	10.0	16.8	17.7	10.6	10.6

[†] Irrigated location.

Table 15. European corn borer whorl-leaf feeding and stalk tunneling data from Columbia, MO, for the 1995 White Food Corn Performance Test. New entries for 1995 are shown in italics.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
<i>Asgrow X940481W</i>	1	2.7	1.6	2.0
Bo-Jac 523W	2	4.0 [†]	2.2	3.1
<i>Bo-Jac 3417W</i>	3	3.7	1.9	2.3
Cargill 8097W	4	4.0 [‡]	1.4	1.7
<i>Cargill X7510W</i>	5	3.5 [†]	1.5	2.3
<i>Cargill X7511W</i>	6	2.0	1.4	1.7
DeKalb Genetics DK703W	7	4.3	1.4	1.7
DeKalb Genetics 739W	8	3.7	1.8	2.1
DeKalb Genetics 742W	9	2.0 [‡]	1.7	2.2
<i>DeKalb Genetics EXP566W</i>	10	3.3	1.3	1.4
<i>DeKalb Genetics EXP567W</i>	11	2.7	2.0	2.7
<i>Genetic Resources GRI94181</i>	12	3.0 [‡]	1.8	2.5
<i>Genetic Resources GRI94185</i>	13	4.5 [†]	2.2	2.3
Golden Harvest H-2651W	14	2.0 [†]	1.8	2.2
Golden Harvest H-2633W	15	2.0 [‡]	2.3	3.3
Hoegemeyer 1125W	16	4.0	1.6	2.1
Hoegemeyer 1131W	17	4.0	1.9	2.3
Hoegemeyer 1142W	18	2.7	2.1	2.7
<i>Hoegemeyer X581W</i>	19	3.0 [†]	1.9	2.9
<i>ICI Seeds 8317W</i>	20	2.3	2.3	3.0
ICI Seeds 8320W	21	3.3	1.5	2.0
<i>IFSI 90-1</i>	22	3.0 [†]	1.7	2.4
IFSI 90-4	23	2.7	2.2	2.8
IFSI 94-3	24	3.0 [†]	2.5	3.3
<i>IFSI 95-1</i>	25	4.0 [†]	1.1	1.3
<i>LG Seeds NB749W</i>	26	4.3	2.1	2.5
NC+ 7248W	27	5.0	2.0	2.3
Northrup King N7580W	28	3.0	2.2	2.4
<i>Northrup King X7744W</i>	29	3.5 [†]	2.1	2.9
Pioneer Brand 3203W	30	3.3	2.9	3.7
Pioneer Brand 3281W	31	2.5 [†]	1.7	2.1
Pioneer Brand 3287W	32	3.0 [†]	0.9	1.0
Sturdy Grow SG765W	33	3.0	1.7	2.9
Sturdy Grow SG777W	34	2.3	1.5	2.0
Sturdy Grow SG797W	35	4.3	1.7	2.1
Sturdy Grow SG798W	36	3.3	1.7	2.4
<i>Sturdy Grow EXP 94002</i>	37	4.3	2.0	3.1
<i>TN 95-1</i>	38	3.0	3.4	4.3
Trisler T-93W2	39	3.0	2.1	2.9
<i>Trisler T-4114W</i>	40	3.0 [†]	1.5	2.0
Triumph 1910W	41	2.3	1.4	1.9
Vineyard V58W	42	2.7	3.2	3.9
<i>Vineyard V442W</i>	43	.	0.8 [†]	0.8 [†]
Vineyard V448W	44	2.7	1.0	1.5
Vineyard V449W	45	3.0	1.7	2.7

Table 15. Continued.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
Vineyard V453W	46	4.0 [†]	1.8	2.4
Whisnand 51AW	47	4.0	2.5	3.2
Whisnand 92AW	48	3.5 [†]	1.4	1.8
<i>Whisnand 95W</i>	49	2.5 [†]	1.7	1.9
<i>Wilson E954003</i>	50	4.0 [†]	2.5	3.8
<i>Wilson E954004</i>	51	3.0	2.2	2.7
Zimmerman Z62W	52	1.7	1.5	1.6
Zimmerman Z64W	53	2.3	1.5	1.9
<i>Zimmerman Z70W</i>	54	2.3	2.7	3.5
White check (K55 × CI66)FR802W	55	3.7	1.9	2.8
Yellow check B73 × Mo17	56	4.5 [†]	3.3	3.8
Yellow check Pioneer Brand 3245	57	3.7	1.8	2.1
<i>Yellow check Pioneer Brand 3394</i>	58	4.0 [‡]	0.6	0.9
Susceptible check (Ki3)		5.0 [‡]	1.7 [†]	2.3 [†]
Susceptible check (Wf9 × W182E)		4.0 [‡]	2.2	2.7
Resistant check (Pioneer Brand 3184)		3.0 [‡]	1.1	1.6
Mean		3.2	1.9	2.4
LSD 0.05		1.6	1.3	1.6
CV%		29.7	43.1	39.5

[†] Data from two replications.

[‡] Data from one replication.

Table 16. Yield and agronomic data from common entries in the 1994-1995 White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Bo-Jac 523W	2	161.2	96.1	0.3	1.6	46.3	75.0	19.2
Cargill 8097W	2	163.8	96.0	0.5	1.7	47.6	75.1	19.2
DeKalb Genetics DK703W	2	154.7	92.2	0.7	1.5	45.3	75.1	19.7
DeKalb Genetics 739W	2	145.1	95.0	0.8	0.8	35.4	74.2	19.4
DeKalb Genetics 742W	2	143.9	94.6	0.5	1.5	35.7	74.0	19.5
Golden Harvest H-2633W	2	158.7	95.9	0.2	1.3	39.8	73.9	21.3
Golden Harvest H-2651W	2	162.4	96.4	0.3	2.0	44.1	74.9	21.3
Hoegemeyer 1125W	2	160.5	94.8	0.2	1.7	46.7	76.0	20.3
Hoegemeyer 1131W	2	159.4	94.5	0.5	1.8	47.0	75.9	19.4
Hoegemeyer 1142W	2	152.2	95.9	0.1	1.4	43.1	75.7	22.6
ICI Seeds 8320W	2	162.1	95.2	0.4	2.8	47.6	75.1	19.4
IFSI 90-4	2	163.1	97.1	0.1	1.7	43.2	74.6	21.6
IFSI 94-3	2	169.2	95.4	0.4	1.8	42.6	75.6	22.9
Northrup King N7580W	2	164.8	96.4	0.3	1.2	46.5	75.4	20.2
Pioneer Brand 3203W	2	173.8	93.9	0.3	2.2	43.8	76.3	19.3
Pioneer Brand 3281W	2	158.3	96.1	0.3	0.9	43.7	76.3	19.2
Pioneer Brand 3287W	2	144.8	93.2	1.2	0.7	41.2	72.4	18.9
Sturdy Grow SG765W	2	162.3	96.5	0.8	1.7	45.0	74.8	18.5
Sturdy Grow SG777W	2	158.6	93.1	0.3	1.4	46.6	75.4	19.3
Sturdy Grow SG797W	2	168.2	96.5	0.2	1.2	47.0	75.5	20.2
Sturdy Grow SG798W	2	161.8	95.1	0.2	1.5	46.0	76.0	20.1
Triumph 1910W	2	147.0	93.1	0.2	1.4	40.9	75.3	22.6
Vineyard V448W	2	156.7	94.0	0.8	1.4	44.8	74.4	19.7
Vineyard V449W	2	148.0	93.6	0.5	1.3	41.8	75.1	20.0
Vineyard V453W	2	151.4	96.0	0.2	1.1	42.4	75.1	19.4
Vineyard V58W	2	164.9	95.9	0.0	1.2	46.6	75.5	20.5
Whisnand 51AW	2	162.4	95.5	0.2	1.6	45.5	75.0	19.3
Whisnand 92AW	2	152.8	96.4	0.2	1.2	44.3	76.1	22.8
Zimmerman Z62W	2	165.1	96.6	0.5	1.4	45.8	76.7	18.6
Zimmerman Z64W	2	167.4	94.5	1.4	2.3	47.5	77.5	21.4
White check (K55×CI66)FR802W	2	120.7	88.9	2.6	3.7	50.9	79.7	22.8
Yellow check B73×Mo17	2	158.2	92.3	0.8	0.8	45.2	74.7	18.1
Yellow check Pioneer Brand 3245	2	175.1	96.9	0.2	1.5	39.9	75.6	17.8
Mean	.	158.1	94.9	0.5	1.5	44.2	75.4	20.1

Table 17. Yield and agronomic data from common entries in the 1993-1995 White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Bo-Jac 523W	3	156.1	95.9	1.5	2.8	47.5	75.7	18.9
Cargill 8097W	3	159.5	96.1	1.1	3.1	48.0	75.8	19.1
DeKalb Genetics DK703W	3	151.3	93.0	1.6	3.2	46.2	75.9	19.5
DeKalb Genetics 739W	3	140.8	95.2	1.2	1.7	35.9	74.6	19.2
DeKalb Genetics 742W	3	139.9	94.3	0.6	3.4	36.4	74.5	19.3
Hoegemeyer 1125W	3	155.5	95.4	1.3	3.1	47.4	76.6	19.8
Hoegemeyer 1131W	3	150.4	93.3	0.9	2.7	47.8	76.5	19.1
Hoegemeyer 1142W	3	149.9	96.3	1.2	2.7	44.3	76.0	22.3
ICI Seeds 8320W	3	157.8	94.9	1.9	3.5	48.5	75.9	19.1
IFSI 90-4	3	158.9	97.1	0.4	3.6	43.9	75.6	21.4
Northrup King N7580W	3	159.3	95.7	1.0	2.6	47.1	76.2	19.8
Pioneer Brand 3281W	3	154.4	95.9	0.4	1.9	44.3	76.9	18.8
Pioneer Brand 3287W	3	142.1	93.3	2.5	1.2	41.9	73.4	18.8
Sturdy Grow SG765W	3	155.1	95.5	1.1	3.5	45.7	75.3	18.5
Sturdy Grow SG777W	3	156.3	93.3	1.8	2.4	47.7	75.9	19.1
Sturdy Grow SG797W	3	159.5	96.2	1.4	2.7	47.4	76.4	19.9
Sturdy Grow SG798W	3	155.8	94.3	1.4	2.8	47.1	76.5	19.9
Triumph 1910W	3	144.8	93.8	0.7	3.1	42.4	75.9	22.2
Vineyard V449W	3	143.2	94.3	1.3	3.0	42.3	75.8	19.7
Vineyard V453W	3	151.4	95.7	0.8	2.5	43.2	75.5	19.2
Whisnand 51AW	3	157.4	95.4	0.9	3.2	46.8	75.6	19.1
Whisnand 92AW	3	148.6	95.8	0.7	3.1	44.6	76.7	22.5
Zimmerman Z64W	3	163.1	95.3	1.4	2.5	48.1	78.1	20.8
White check (K55×CI66)FR802W	3	117.7	90.8	2.9	5.8	51.5	80.3	22.1
Yellow check B73×Mo17	3	151.2	93.2	1.4	2.2	45.3	75.5	18.1
Yellow check Pioneer Brand 3245	3	169.7	97.0	0.5	2.6	40.5	76.5	17.9
Mean	.	151.9	94.9	1.2	2.9	45.1	76.1	19.8

Table 18. Yield and agronomic data from common entries in the 1992-1995 White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Cargill 8097W	4	164.1	95.7	1.5	3.0	47.4	75.6	19.2
DeKalb Genetics DK703W	4	158.0	93.9	1.9	2.9	45.1	75.7	19.7
DeKalb Genetics 739W	4	146.7	95.0	1.1	1.5	35.2	74.2	19.5
DeKalb Genetics 742W	4	145.3	94.4	0.5	3.0	35.4	74.3	19.5
Hoegemeyer 1125W	4	160.5	95.5	1.4	3.0	46.5	76.5	20.0
Hoegemeyer 1131W	4	157.2	93.3	1.2	2.6	47.6	76.1	19.3
Hoegemeyer 1142W	4	155.0	96.5	1.1	2.5	43.6	76.0	22.3
ICI Seeds 8320W	4	164.6	94.5	2.0	3.2	47.8	75.8	19.1
Northrup King N7580W	4	164.3	95.9	1.0	2.7	46.6	76.1	19.9
Pioneer Brand 3281W	4	160.4	96.2	0.6	1.9	43.5	76.8	19.1
Pioneer Brand 3287W	4	146.7	94.2	2.3	1.2	40.8	73.1	18.9
Sturdy Grow SG798W	4	161.8	94.5	1.4	2.8	46.4	76.3	19.9
Triumph 1910W	4	151.9	94.7	0.7	2.8	42.0	75.7	22.3
Vineyard V449W	4	151.4	94.3	1.1	2.8	41.7	75.6	19.8
Whisnand 51AW	4	163.1	94.9	1.3	3.2	46.4	75.5	19.2
Whisnand 92AW	4	155.2	96.1	0.9	2.8	44.0	76.5	22.4
White check (K55 × CI66)FR802W	4	129.6	91.3	2.5	6.0	50.2	79.8	22.0
Yellow check B73 × Mo17	4	155.0	93.8	2.2	2.3	44.3	75.2	18.4
Yellow check Pioneer Brand 3245	4	174.4	96.4	0.4	2.1	39.4	76.1	18.2
Mean	.	156.1	94.8	1.3	2.7	43.9	75.8	19.9

Table 19. Yield and agronomic data from common entries in the 1991-1995 White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
DeKalb Genetics DK703W	5	153.5	92.1	2.3	3.2	44.9	74.1	19.5
DeKalb Genetics 739W	5	144.5	94.9	1.2	2.2	34.8	72.5	19.3
Hoegemeyer 1142W	5	151.9	96.3	1.5	3.0	43.5	74.5	22.1
Northrup King N7580W	5	159.4	96.2	1.3	2.9	46.4	74.5	19.7
Pioneer Brand 3281W	5	156.5	95.4	0.6	2.2	43.2	75.0	19.0
Sturdy Grow SG798W	5	156.8	95.2	1.5	3.0	46.4	74.6	19.7
Triumph 1910W	5	148.3	94.7	1.0	3.2	42.1	74.1	22.1
Vineyard V449W	5	148.8	94.6	1.7	3.0	41.4	73.9	19.6
Whisnand 92AW	5	151.1	95.9	1.2	3.7	43.7	74.7	22.2
White check (K55 × CI66)FR802W	5	126.0	90.7	3.1	7.0	49.9	78.1	21.7
Yellow check B73 × Mo17	5	150.6	94.3	2.6	3.3	44.3	73.5	18.3
Yellow check Pioneer Brand 3245	5	170.6	95.2	0.6	2.3	39.4	74.3	18.1
Mean	.	151.5	94.6	1.5	3.3	43.3	74.5	20.1

Table 20. Combined grain quality data from the 1995 White Food Corn Performance Test grown at West Lafayette, IN; Lexington, KY; Columbia, MO; and Knoxville, TN. For pericarp removal data, grain from College Station and Springlake, TX, was also used.

Entry	No.	Test weight (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Thins [†] (%)	Kernel density (g/cc)	Horny endosp. (%)	Pericarp removal [‡] (1-5)
<i>Asgrow X940481W</i>	1	61.6	28.2	0.21	55.5	1.32	89	2.8
<i>Bo-Jac 523W</i>	2	62.7	31.0	0.23	40.0	1.33	83	2.4
<i>Bo-Jac 3417W</i>	3	61.6	29.7	0.23	50.1	1.31	80	2.6
<i>Cargill 8097W</i>	4	62.0	32.5	0.24	35.5	1.33	85	2.4
<i>Cargill X7510W</i>	5	59.4	30.9	0.24	50.1	1.29	78	2.8
<i>Cargill X7511W</i>	6	59.6	30.6	0.24	53.3	1.29	76	2.8
<i>DeKalb Genetics DK703W</i>	7	62.5	34.2	0.25	28.3	1.34	88	2.4 [§]
<i>DeKalb Genetics 739W</i>	8	58.8	27.7	0.21	27.3	1.30	81	3.0
<i>DeKalb Genetics 742W</i>	9	59.8	30.0	0.23	25.6	1.31	80	3.1
<i>DeKalb Genetics EXP566W</i>	10	61.9	30.0	0.23	25.1	1.32	91	1.7
<i>DeKalb Genetics EXP567W</i>	11	59.8	29.0	0.22	55.9	1.30	81	2.1
<i>Genetic Resources GRI94181</i>	12	58.3	33.7	0.26	7.1	1.31	84	2.4
<i>Genetic Resources GRI94185</i>	13	58.6	31.3	0.24	12.1	1.30	81	2.2
<i>Golden Harvest H-2651W</i>	14	60.3	32.5	0.25	23.1	1.30	85	3.4
<i>Golden Harvest H-2633W</i>	15	61.7	33.5	0.25	36.8	1.32	85	2.3
<i>Hoegemeyer 1125W</i>	16	61.4	29.5	0.23	53.2	1.31	78	2.6
<i>Hoegemeyer 1131W</i>	17	60.1	30.4	0.23	41.2	1.30	80	2.6
<i>Hoegemeyer 1142W</i>	18	63.2	32.3	0.24	39.0	1.33	86	3.0
<i>Hoegemeyer X581W</i>	19	59.9	30.4	0.23	57.9	1.30	80	2.6 [§]
<i>ICI Seeds 8317W</i>	20	61.2	28.3	0.21	57.1	1.32	80	2.9
<i>ICI Seeds 8320W</i>	21	62.8	31.6	0.24	36.9	1.34	86	2.4 [§]
<i>IFSI 90-1</i>	22	61.9	29.8	0.22	42.0	1.33	84	2.4
<i>IFSI 90-4</i>	23	59.8	30.9	0.24	29.0	1.29	85	3.7
<i>IFSI 94-3</i>	24	59.7	29.0	0.22	51.7	1.30	85	3.2
<i>IFSI 95-1</i>	25	62.9	29.9	0.22	46.8	1.35	90	3.3
<i>LG Seeds NB749W</i>	26	61.2	29.6	0.22	59.6	1.32	83	2.9
<i>NC+ 7248W</i>	27	61.7	32.4	0.24	30.0	1.32	83	2.3
<i>Northrup King N7580W</i>	28	61.3	30.5	0.23	50.9	1.32	79	2.7
<i>Northrup King X7744W</i>	29	61.4	28.5	0.21	55.5	1.33	80	3.2
<i>Pioneer Brand 3203W</i>	30	60.7	32.9	0.25	22.8	1.31	84	3.7
<i>Pioneer Brand 3281W</i>	31	63.0	32.4	0.24	23.0	1.34	89	2.7
<i>Pioneer Brand 3287W</i>	32	62.0	29.4	0.22	51.1	1.34	90	3.3
<i>Sturdy Grow SG765W</i>	33	60.6	26.4	0.20	61.9	1.31	80	3.2
<i>Sturdy Grow SG777W</i>	34	62.6	31.4	0.24	37.2	1.34	84	2.7
<i>Sturdy Grow SG797W</i>	35	61.8	29.9	0.23	50.7	1.32	80	2.9
<i>Sturdy Grow SG798W</i>	36	61.6	29.2	0.22	53.3	1.32	81	3.3
<i>Sturdy Grow EXP 94002</i>	37	59.1	29.2	0.22	62.5	1.30	75	2.9
<i>TN 95-1</i>	38	58.9	33.6	0.26	13.7	1.30	80	2.8
<i>Trisler T-93W2</i>	39	59.9	29.1	0.22	60.1	1.30	81	2.4
<i>Trisler T-4114W</i>	40	62.3	31.1	0.23	30.7	1.33	85	2.7

Table 20. Continued.

Entry	No.	Test weight (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Thins [†] (%)	Kernel density (g/cc)	Horny endosp. (%)	Pericarp removal [‡] (1-5)
Triumph 1910W	41	62.2	30.2	0.23	45.5	1.32	88	3.7
Vineyard V58W	42	61.8	31.1	0.24	40.3	1.32	83	2.7
<i>Vineyard V442W</i>	43	59.9	26.3	0.20	34.6	1.33	89	3.0
Vineyard V448W	44	62.1	29.4	0.22	39.9	1.34	86	2.8
Vineyard V449W	45	63.5	28.3	0.21	45.6	1.35	89	2.9 [§]
Vineyard V453W	46	61.3	30.7	0.23	44.5	1.32	84	2.2
Whisnand 51AW	47	62.8	32.5	0.24	31.6	1.34	84	2.9
Whisnand 92AW	48	62.6	31.6	0.24	40.2	1.32	84	3.2
<i>Whisnand 95W</i>	49	63.4	33.2	0.25	41.7	1.34	88	3.5
<i>Wilson E954003</i>	50	57.4	28.5	0.21	29.8	1.35	89	2.4 [§]
<i>Wilson E954004</i>	51	61.6	28.9	0.21	26.2	1.35	90	2.4
Zimmerman Z62W	52	59.8	31.0	0.24	17.5	1.31	84	2.3
Zimmerman Z64W	53	60.7	31.6	0.24	17.2	1.32	85	2.6
<i>Zimmerman Z70W</i>	54	59.5	28.7	0.22	24.0	1.33	89	3.1
White check (K55 × CI66)FR802W	55	59.1	33.3	0.25	9.3	1.35	89	3.5 [§]
Yellow check B73 × Mo17	56	54.9	29.6	0.24	34.6	1.25	70	3.6
Yellow check Pioneer Brand 3245	57	61.1	32.9	0.25	32.8	1.32	88	2.6
<i>Yellow check Pioneer Brand 3394</i>	58	60.2	32.4	0.25	32.4	1.30	79	3.8
Mean		60.9	30.6	0.23	38.5	1.32	84	2.8
LSD 0.05		2.2	3.0	0.02	14.5	0.01	5	0.7
CV%		2.6	7.0	6.8	26.6	0.7	4.0	20.7

[†] Percent of a 250-kernel sample passing through a 20/64" round-hole sieve.

[‡] Rated on a scale in which 1 represents complete removal and 5 represents no removal.

[§] Data missing from one location.

Table 21. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at Champaign, IL. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	131.5	100.0	0.0	0.0	39.7	.	18.9
<i>Asgrow X757920W</i>	2	144.5	100.0	0.0	0.0	38.3	.	14.8
<i>Beck 5905W</i>	3	97.2	83.9	0.6	0.0	41.7	.	17.5
<i>Bo-Jac 523W[†]</i>	4	105.4	100.0	1.7	0.0	39.0	.	17.2
<i>Cargill 8097W</i>	5	130.1	100.0	1.7	0.0	38.3	.	17.2
<i>Cargill X7512W</i>	6	135.2	100.0	13.3	0.0	41.7	.	16.5
<i>Cargill X7513W</i>	7	130.1	85.6	13.2	0.0	36.3	.	17.3
<i>Crow's W55</i>	8	104.6	100.0	1.1	0.6	40.7	.	16.9
<i>Crow's EX550</i>	9	115.0	100.0	0.0	0.0	36.0	.	17.9
<i>Crow's EX551</i>	10	123.6	100.0	0.0	0.6	40.3	.	16.6
<i>DeKalb Genetics 555W</i>	11	113.9	100.0	14.4	0.0	30.7	.	12.6
<i>DeKalb Genetics DK703W</i>	12	103.4	86.7	1.1	0.0	40.3	.	17.8
<i>DeKalb Genetics 742W</i>	13	101.0	81.7	2.8	0.0	27.3	.	17.6
<i>DeKalb Genetics EXP566W</i>	14	122.1	100.0	2.2	0.0	33.0	.	16.2
<i>DeKalb Genetics EXP567W</i>	15	126.0	100.0	2.2	0.0	37.0	.	16.3
<i>Hoegemeyer 1125W</i>	16	109.7	100.0	0.0	0.0	37.3	.	18.2
<i>Hoegemeyer 1131W</i>	17	118.0	100.0	0.6	1.1	41.0	.	17.0
<i>Hoegemeyer 1142W</i>	18	83.2	82.8	0.6	0.0	31.3	.	21.8
<i>Hoegemeyer X581W</i>	19	122.6	98.9	0.0	0.0	38.3	.	16.2
<i>ICI Seeds 8320W</i>	20	137.3	100.0	0.6	0.6	37.7	.	17.2
<i>ICI Seeds N2362W</i>	21	119.5	94.4	9.0	1.2	36.7	.	14.5
<i>IFSI 90-1</i>	22	131.9	100.0	3.3	0.0	40.7	.	16.6
<i>IFSI 93-4</i>	23	101.5	99.4	0.0	0.6	31.3	.	16.2
<i>IFSI 94-1</i>	24	97.1	98.9	0.6	0.0	33.0	.	15.2
<i>IFSI 95-2</i>	25	123.9	89.4	4.1	0.0	42.0	.	16.7
<i>LG Seeds NB571W</i>	26	98.3	100.0	11.7	0.6	30.0	.	13.3
<i>LG Seeds NB710W</i>	27	132.5	100.0	22.2	0.6	39.3	.	15.4
<i>LG Seeds NB739W</i>	28	117.3	100.0	2.8	0.0	29.0	.	17.1
<i>LG Seeds NB742W</i>	29	115.8	100.0	1.7	0.6	32.0	.	17.5
<i>LG Seeds NB749W</i>	30	122.3	100.0	0.0	0.0	37.0	.	18.0
<i>Lynks Seeds 2802W</i>	31	129.0	100.0	1.7	0.0	37.0	.	17.9
<i>Merschman M-3114W</i>	32	131.0	100.0	0.6	1.1	40.7	.	17.8
<i>NC+ 6555W</i>	33	125.0	100.0	0.6	0.0	38.7	.	18.5
<i>Pioneer Brand 3203W</i>	34	129.7	100.0	0.6	0.0	33.7	.	17.6
<i>Pioneer Brand 3281W</i>	35	104.0	100.0	0.0	0.6	33.7	.	16.5
<i>Pioneer Brand 3287W</i>	36	96.7	83.3	4.4	0.0	34.0	.	17.4
<i>Pioneer Brand 3443W</i>	37	117.8	100.0	0.6	0.6	34.7	.	15.6
<i>Pioneer Brand 3463W</i>	38	111.3	100.0	1.7	0.0	32.3	.	14.6
<i>Pioneer Brand X1134WG</i>	39	105.5	100.0	2.2	0.0	37.0	.	15.2
<i>Producers 7013W</i>	40	114.6	100.0	2.2	0.0	44.0	.	17.1
<i>Producers EXP 1131W</i>	41	127.4	100.0	0.6	0.6	38.0	.	16.4
<i>Purdue H126W/FR819W</i>	42	109.2	100.0	10.0	0.0	42.0	.	14.6
<i>Purdue H126W/H122W</i>	43	113.0	100.0	10.6	0.0	42.7	.	17.0
<i>Sturdy Grow SG731W</i>	44	131.9	100.0	0.0	0.0	32.7	.	15.3
<i>Sturdy Grow SG755W</i>	45	135.5	100.0	0.0	0.6	38.3	.	16.3

Table 21. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	139.0	100.0	1.7	0.6	34.3	.	16.9
Sturdy Grow SG777W	47	128.0	100.0	1.7	0.0	39.7	.	17.5
Sturdy Grow SG797W	48	109.8	100.0	0.0	0.0	27.0	.	18.9
Sturdy Grow SG798W	49	104.6	89.4	0.0	0.6	40.0	.	18.6
<i>Sturdy Grow EXP 92013</i>	50	147.9	100.0	1.7	0.0	40.3	.	16.4
<i>Trisler T-95W1</i>	51	135.1	100.0	1.7	0.0	41.3	.	16.7
<i>Triumph TRX4821</i>	52	118.4	100.0	1.1	0.6	36.7	.	16.0
Vineyard V414W	53	120.6	100.0	5.6	0.0	34.0	.	16.6
Vineyard V424W	54	123.1	100.0	4.4	0.0	34.7	.	18.1
Vineyard V438W	55	110.3	100.0	3.9	0.0	31.0	.	17.1
Vineyard V442W	56	130.0	100.0	3.3	0.0	35.7	.	19.8
Vineyard V448W	57	109.8	90.0	0.6	0.0	34.7	.	18.4
Vineyard V449W	58	119.1	100.0	5.0	0.6	36.3	.	18.5
<i>Vineyard V453W</i>	59	114.3	97.2	2.2	0.0	33.7	.	17.7
<i>Vineyard Vx4134W</i>	60	121.8	100.0	3.3	0.0	38.0	.	15.0
Whisnand 51AW	61	121.1	100.0	1.1	0.0	36.3	.	17.4
<i>Whisnand 52AW</i>	62	125.4	91.1	0.0	0.0	35.3	.	16.3
Wilson 1780W	63	146.4	100.0	0.6	0.0	34.3	.	20.2
Wilson 1790W	64	125.8	100.0	0.0	0.0	35.7	.	18.9
<i>Wilson E954002</i>	65	102.8	100.0	2.8	0.0	40.7	.	17.8
Zimmerman Z62W	66	126.3	100.0	0.0	0.0	38.7	.	16.9
Yellow check B73 × Mo17	67	104.2	100.0	1.7	1.1	37.7	.	14.5
<i>Yellow check Pioneer Brand 3394</i>	68	153.0	100.0	1.7	0.6	34.3	.	14.9
Mean		119.6	97.8	2.8	0.2	36.6	.	16.9
LSD 0.05		26.9	ns	6.9	ns	6.3		0.7
CV%		13.8		150.6		10.5		2.7

† Data from two replications.

Table 22. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at Galesburg, IL. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	137.5	96.7	0.0	1.1	54.3	.	21.9
<i>Asgrow X757920W</i>	2	131.0	98.9	0.0	1.1	47.0	.	18.4
<i>Beck 5905W</i>	3	131.7	100.0	0.0	3.3	50.0	.	19.6
Bo-Jac 523W	4	132.4	97.8	0.0	2.3	44.0	.	20.9
Cargill 8097W	5	135.6	100.0	0.0	3.3	50.3	.	21.1
<i>Cargill X7512W</i>	6	139.2	100.0	0.0	5.0	49.3	.	20.9
<i>Cargill X7513W</i>	7	141.7	98.9	0.0	4.6	50.7	.	22.1
Crow's W55	8	113.0	100.0	0.0	3.3	56.3	.	20.5
<i>Crow's EX550</i>	9	147.0	100.0	0.0	1.7	53.0	.	20.1
<i>Crow's EX551</i>	10	132.5	100.0	0.0	6.7	51.0	.	19.5
DeKalb Genetics 555W	11	103.3	100.0	0.0	2.2	39.0	.	18.4
DeKalb Genetics DK703W	12	122.7	93.9	0.0	3.6	47.7	.	21.0
DeKalb Genetics 742W	13	108.6	99.4	0.0	7.3	38.0	.	22.2
<i>DeKalb Genetics EXP566W</i>	14	124.3	98.9	0.0	1.1	40.0	.	20.3
<i>DeKalb Genetics EXP567W</i>	15	132.0	96.7	0.0	5.2	50.3	.	19.5
Hoegemeyer 1125W	16	130.1	100.0	0.0	5.0	52.0	.	21.3
Hoegemeyer 1131W	17	131.6	100.0	0.0	2.8	48.0	.	20.6
Hoegemeyer 1142W	18	128.1	100.0	0.0	2.2	41.7	.	24.7
<i>Hoegemeyer X581W</i>	19	123.8	96.7	0.6	2.9	46.0	.	19.3
ICI Seeds 8320W	20	121.0	97.8	0.0	3.3	53.0	.	20.8
<i>ICI Seeds N2362W</i>	21	130.4	100.0	0.0	5.6	47.3	.	17.9
IFSI 90-1	22	128.4	100.0	0.0	5.0	50.7	.	20.6
IFSI 93-4	23	142.2	98.9	0.0	8.4	49.7	.	19.8
IFSI 94-1	24	116.7	99.4	0.0	1.7	47.0	.	20.0
<i>IFSI 95-2</i>	25	120.7	97.8	0.0	6.2	56.3	.	19.6
LG Seeds NB571W	26	107.5	99.4	0.0	6.2	43.3	.	17.5
LG Seeds NB710W	27	109.8	100.0	0.0	5.0	48.7	.	19.1
LG Seeds NB739W	28	109.8	93.3	0.0	3.5	42.0	.	21.6
LG Seeds NB742W	29	119.5	98.9	0.0	3.9	37.3	.	21.3
<i>LG Seeds NB749W</i>	30	138.7	97.8	0.0	2.3	52.3	.	21.8
<i>Lynks Seeds 2802W</i>	31	128.7	100.0	0.0	2.8	48.7	.	21.0
<i>Merschman M-3114W</i>	32	142.3	100.0	0.0	4.4	48.3	.	20.4
NC+ 6555W	33	137.8	98.9	0.0	4.4	50.0	.	21.6
Pioneer Brand 3203W	34	120.8	100.0	0.0	5.0	47.7	.	18.8
Pioneer Brand 3281W	35	121.2	100.0	0.0	1.7	46.0	.	19.8
Pioneer Brand 3287W	36	129.3	96.1	0.0	1.7	46.0	.	19.6
Pioneer Brand 3443W	37	103.7	94.4	0.0	7.6	53.7	.	16.6
Pioneer Brand 3463W	38	114.2	96.7	0.0	3.0	46.0	.	16.5
<i>Pioneer Brand X1134WG</i>	39	96.5	84.4	0.0	4.5	46.3	.	17.5
<i>Producers 7013W</i>	40	117.0	100.0	0.0	3.3	53.7	.	20.6
<i>Producers EXP 1131W</i>	41	112.6	98.3	0.0	8.0	47.7	.	20.7
<i>Purdue H126W/FR819W</i>	42	98.9	80.6	0.0	2.8	51.7	.	18.0
<i>Purdue H126W/H122W</i>	43	108.6	83.3	0.0	3.8	50.0	.	18.2
Sturdy Grow SG731W	44	106.9	95.0	0.0	6.0	40.3	.	20.3
<i>Sturdy Grow SG755W</i>	45	111.5	98.9	0.0	6.7	50.0	.	20.7

Table 22. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	137.0	100.0	0.0	5.6	50.0	.	19.7
Sturdy Grow SG777W	47	131.9	100.0	0.0	5.6	49.0	.	21.3
Sturdy Grow SG797W	48	150.4	100.0	0.0	1.7	47.7	.	20.6
Sturdy Grow SG798W	49	137.9	98.9	0.0	5.6	53.3	.	21.6
<i>Sturdy Grow EXP 92013</i>	50	118.8	96.7	0.0	6.4	50.3	.	19.0
<i>Trisler T-95W1</i>	51	137.0	100.0	0.0	4.4	55.0	.	19.0
<i>Triumph TRX4821</i>	52	124.5	98.3	0.0	7.3	49.0	.	20.4
Vineyard V414W	53	106.4	97.8	0.0	5.1	42.7	.	19.0
Vineyard V424W	54	131.4	96.1	0.0	4.0	47.7	.	20.0
Vineyard V438W	55	124.1	98.9	0.0	2.8	40.3	.	19.6
Vineyard V442W	56	96.8	87.8	0.0	6.6	49.7	.	22.3
Vineyard V448W	57	125.9	100.0	0.0	1.7	45.7	.	21.3
Vineyard V449W	58	126.0	100.0	0.6	1.7	43.0	.	21.4
<i>Vineyard V453W</i>	59	116.1	97.2	0.0	2.4	42.0	.	20.7
<i>Vineyard Vx4134W</i>	60	102.3	93.9	0.0	1.7	48.3	.	17.8
Whisnand 51AW	61	126.7	100.0	0.0	4.4	50.7	.	21.0
<i>Whisnand 52AW</i>	62	113.4	94.4	0.0	3.4	49.3	.	20.0
Wilson 1780W	63	134.4	95.6	0.0	1.2	46.0	.	24.3
Wilson 1790W	64	125.2	98.3	0.0	1.7	44.3	.	22.6
<i>Wilson E954002</i>	65	139.4	100.0	0.0	3.9	51.0	.	21.4
Zimmerman Z62W	66	117.1	100.0	0.0	0.6	46.3	.	18.0
Yellow check B73×Mo17	67	128.0	88.3	0.0	4.1	50.3	.	19.3
<i>Yellow check Pioneer Brand 3394</i>	68	126.8	100.0	0.0	1.7	43.7	.	17.1
Mean		123.8	97.5	0.0	3.9	47.9	.	20.1
LSD 0.05		22.8	ns	ns	ns	6.3		1.2
CV%		11.3				8.1		3.7

Table 23. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at Wanatah, IN. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	191.0	97.3	.	.	51.1	.	22.6
<i>Asgrow X757920W</i>	2	163.9	95.0	.	.	49.0	.	18.8
<i>Beck 5905W</i>	3	180.7	96.4	.	.	50.8	.	20.2
<i>Bo-Jac 523W</i>	4	168.9	91.4	.	.	49.4	.	20.6
<i>Cargill 8097W</i>	5	179.1	95.0	.	.	52.4	.	20.6
<i>Cargill X7512W</i>	6	183.9	92.8	.	.	49.0	.	21.7
<i>Cargill X7513W</i>	7	191.2	96.8	.	.	48.1	.	22.0
<i>Crow's W55</i>	8	151.5	94.1	.	.	54.9	.	21.2
<i>Crow's EX550</i>	9	171.7	89.6	.	.	50.4	.	21.2
<i>Crow's EX551</i>	10	176.4	90.5	.	.	48.1	.	20.1
<i>DeKalb Genetics 555W</i>	11	139.4	93.2	.	.	35.9	.	14.7
<i>DeKalb Genetics DK703W</i>	12	149.1	86.9	.	.	48.7	.	21.3
<i>DeKalb Genetics 742W</i>	13	146.4	88.7	.	.	34.1	.	21.4
<i>DeKalb Genetics EXP566W</i>	14	153.2	95.5	.	.	39.0	.	18.7
<i>DeKalb Genetics EXP567W</i>	15	177.6	91.9	.	.	49.3	.	20.0
<i>Hoegemeyer 1125W</i>	16	151.8	94.6	.	.	49.7	.	22.1
<i>Hoegemeyer 1131W</i>	17	170.9	93.7	.	.	50.0	.	21.2
<i>Hoegemeyer 1142W</i>	18	133.4	93.2	.	.	43.7	.	28.5
<i>Hoegemeyer X581W</i>	19	167.9	87.8	.	.	50.8	.	19.1
<i>ICI Seeds 8320W</i>	20	163.5	93.7	.	.	50.4	.	20.7
<i>ICI Seeds N2362W</i>	21	177.7	91.0	.	.	44.8	.	16.5
<i>IFSI 90-1</i>	22	174.4	95.9	.	.	54.1	.	20.4
<i>IFSI 93-4</i>	23	153.2	84.7	.	.	45.6	.	19.3
<i>IFSI 94-1</i>	24	151.7	86.9	.	.	45.8	.	19.6
<i>IFSI 95-2</i>	25	167.6	93.2	.	.	56.2	.	19.4
<i>LG Seeds NB571W</i>	26	141.5	86.9	.	.	38.1	.	16.1
<i>LG Seeds NB710W</i>	27	176.7	95.0	.	.	47.7	.	18.5
<i>LG Seeds NB739W</i>	28	124.6	85.6	.	.	35.7	.	21.0
<i>LG Seeds NB742W</i>	29	146.8	94.1	.	.	36.0	.	21.3
<i>LG Seeds NB749W</i>	30	181.3	95.9	.	.	53.0	.	22.6
<i>Lynks Seeds 2802W</i>	31	177.7	95.5	.	.	52.5	.	20.6
<i>Merschman M-3114W</i>	32	167.7	97.7	.	.	52.8	.	21.5
<i>NC+ 6555W</i>	33	168.6	89.6	.	.	52.3	.	22.4
<i>Pioneer Brand 3203W</i>	34	166.5	95.9	.	.	47.1	.	20.9
<i>Pioneer Brand 3281W</i>	35	155.1	92.3	.	.	46.3	.	19.7
<i>Pioneer Brand 3287W</i>	36	138.8	91.9	.	.	43.4	.	19.8
<i>Pioneer Brand 3443W</i>	37	135.2	95.0	.	.	47.8	.	17.2
<i>Pioneer Brand 3463W</i>	38	142.9	93.2	.	.	44.5	.	16.8
<i>Pioneer Brand X1134WG</i>	39	130.4	83.8	.	.	42.1	.	17.9
<i>Producers 7013W</i>	40	156.8	96.4	.	.	52.9	.	21.2
<i>Producers EXP 1131W</i>	41	169.9	94.1	.	.	46.3	.	20.1
<i>Purdue H126W/FR819W</i>	42	155.6	92.3	.	.	50.7	.	17.2
<i>Purdue H126W/H122W</i>	43	157.5	92.8	.	.	47.7	.	19.7
<i>Sturdy Grow SG731W</i>	44	158.6	94.6	.	.	37.8	.	19.6
<i>Sturdy Grow SG755W</i>	45	183.1	92.8	.	.	50.0	.	19.2

Table 23. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	176.1	93.2	.	.	46.5	.	20.1
Sturdy Grow SG777W	47	182.9	93.2	.	.	52.0	.	21.0
Sturdy Grow SG797W	48	172.3	98.6	.	.	52.1	.	22.5
Sturdy Grow SG798W	49	176.5	94.1	.	.	51.7	.	22.2
<i>Sturdy Grow EXP 92013</i>	50	180.0	91.9	.	.	52.9	.	19.9
<i>Trisler T-95W1</i>	51	168.3	94.6	.	.	55.6	.	19.3
<i>Triumph TRX4821</i>	52	178.4	89.2	.	.	46.9	.	19.8
Vineyard V414W	53	146.0	95.5	.	.	44.1	.	18.3
Vineyard V424W	54	166.3	93.2	.	.	47.4	.	21.4
Vineyard V438W	55	160.1	92.3	.	.	45.5	.	20.6
Vineyard V442W	56	164.8	92.8	.	.	42.5	.	23.4
Vineyard V448W	57	157.8	93.7	.	.	48.1	.	21.8
Vineyard V449W	58	157.9	93.2	.	.	43.8	.	21.7
<i>Vineyard V453W</i>	59	159.4	93.7	.	.	42.6	.	21.9
<i>Vineyard Vx4134W</i>	60	159.5	95.0	.	.	46.8	.	16.7
Whisnand 51AW	61	166.2	96.8	.	.	49.4	.	21.3
<i>Whisnand 52AW</i>	62	166.6	92.8	.	.	46.9	.	19.2
Wilson 1780W	63	173.2	93.2	.	.	46.8	.	22.7
Wilson 1790W	64	162.0	96.4	.	.	49.3	.	21.5
<i>Wilson E954002</i>	65	143.3	86.9	.	.	50.0	.	21.1
Zimmerman Z62W	66	177.4	93.7	.	.	49.9	.	21.3
Yellow check B73×Mo17	67	171.6	85.1	.	.	49.9	.	19.9
<i>Yellow check Pioneer Brand 3394</i>	68	173.2	94.6	.	.	45.0	.	17.4
Mean		163.4	92.8	.	.	47.5	.	20.3
LSD 0.05		16.6	6.2			4.2		1.0
CV%		6.3	4.1			5.5		2.9

Table 24. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at Marion, IA. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	140.1	90.7 [†]	0.0 [†]	7.5 [†]	58.7	72.3	21.6
<i>Asgrow X757920W</i>	2	134.5	95.7	0.0	5.8	51.3	70.7	17.6
<i>Beck 5905W</i>	3	132.0	95.1	0.0	7.9	62.7	71.7	19.0
<i>Bo-Jac 523W</i>	4	127.9	98.8	0.0	11.3	58.7	72.7	19.5
<i>Cargill 8097W</i>	5	132.4	95.1	0.0	5.3	54.7	72.0	19.4
<i>Cargill X7512W</i>	6	132.0	87.7	0.0	8.4	56.0	68.7	21.1
<i>Cargill X7513W</i>	7	142.9	90.7	0.0	19.3	54.0	69.3	21.7
<i>Crow's W55</i>	8	119.7	90.1	0.0	6.9	53.7	71.7	20.3
<i>Crow's EX550</i>	9	123.5	88.3	0.7	11.5	57.7	71.7	19.5
<i>Crow's EX551</i>	10	113.3	94.4	0.0	12.5	62.7	72.0	19.3
<i>DeKalb Genetics 555W</i>	11	126.2	88.3	0.0	2.8	44.7	67.7	18.1
<i>DeKalb Genetics DK703W</i>	12	118.7	91.4	0.0	4.0	54.3	72.0	19.8
<i>DeKalb Genetics 742W</i>	13	124.0	86.4	0.0	11.0	39.7	67.7	20.2
<i>DeKalb Genetics EXP566W</i>	14	117.9	93.8	0.0	2.6	43.0	69.3	17.9
<i>DeKalb Genetics EXP567W</i>	15	140.1	88.9	0.0	9.3	59.3	70.3	19.0
<i>Hoegemeyer 1125W</i>	16	132.4	93.8	0.0	4.6	59.3	72.7	20.7
<i>Hoegemeyer 1131W</i>	17	129.4	92.0	0.0	4.6	56.0	72.0	20.1
<i>Hoegemeyer 1142W</i>	18	120.3	95.1	0.0	7.3	49.7	72.3	23.9
<i>Hoegemeyer X581W</i>	19	141.4	88.9	0.0	9.2	53.0	70.7	18.9
<i>ICI Seeds 8320W</i>	20	124.2	96.3	0.0	7.1	54.7	72.7	19.2
<i>ICI Seeds N2362W</i>	21	129.1	88.3	0.7	8.3	54.0	70.0	16.8
<i>IFSI 90-1</i>	22	131.2	88.3	0.0	5.6	58.0	72.0	19.1
<i>IFSI 93-4</i>	23	114.8	86.4	0.0	21.3	47.0	72.0	19.0
<i>IFSI 94-1</i>	24	130.1	93.2	0.0	3.9	55.3	72.3	18.5
<i>IFSI 95-2</i>	25	138.8	95.1	0.0	7.3	64.3	71.7	18.3
<i>LG Seeds NB571W</i>	26	119.1	86.4	0.0	14.2	46.3	69.0	17.7
<i>LG Seeds NB710W</i>	27	129.9	85.2	0.0	7.3	50.0	68.7	19.8
<i>LG Seeds NB739W</i>	28	118.6	90.1	0.0	9.0	40.7	69.3	20.9
<i>LG Seeds NB742W</i>	29	127.9	97.5	0.0	12.6	40.0	68.7	20.4
<i>LG Seeds NB749W</i>	30	137.9	92.6	0.0	7.3	63.0	72.3	20.4
<i>Lynks Seeds 2802W</i>	31	125.6	88.9	0.0	5.6	57.3	71.7	19.4
<i>Merschman M-3114W</i>	32	128.6	90.7	0.0	8.9	62.3	72.0	20.0
<i>NC+ 6555W</i>	33	133.9	92.6	0.0	12.0	55.3	72.0	20.4
<i>Pioneer Brand 3203W</i>	34	137.5	91.4	0.0	10.1	55.7	72.0	19.7
<i>Pioneer Brand 3281W</i>	35	123.7	90.1	0.0	5.5	54.7	71.0	19.4
<i>Pioneer Brand 3287W</i>	36	138.3	93.2	0.0	7.2	52.0	69.7	19.0
<i>Pioneer Brand 3443W</i>	37	122.6	96.3	0.0	9.6	56.3	67.7	17.6
<i>Pioneer Brand 3463W</i>	38	116.6	96.9	0.0	2.5	53.0	67.7	15.4
<i>Pioneer Brand X1134WG</i>	39	115.4	88.3	0.0	2.1	49.3	70.7	17.3
<i>Producers 7013W</i>	40	124.4	91.4 [†]	0.0 [†]	2.0 [†]	60.7	72.3	20.1
<i>Producers EXP 1131W</i>	41	114.2	92.6	0.7	9.4	53.7	72.0	19.0
<i>Purdue H126W/FR819W</i>	42	104.4	90.7	0.0	2.1	59.0	69.3	18.1
<i>Purdue H126W/H122W</i>	43	116.8	91.4	0.0	4.8	53.3	69.7	19.7
<i>Sturdy Grow SG731W</i>	44	127.0	96.3	0.0	3.8	46.3	68.7	19.5
<i>Sturdy Grow SG755W</i>	45	136.5	97.5	0.0	8.9	56.0	70.7	18.8

Table 24. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	135.8	92.6	0.0	10.6	54.7	70.7	19.6
Sturdy Grow SG777W	47	144.7	95.1 [†]	0.0 [†]	5.2 [†]	56.0	72.3	19.2
Sturdy Grow SG797W	48	136.6	89.5	0.0	4.8	61.0	72.0	21.1
Sturdy Grow SG798W	49	135.7	88.3	0.0	5.6	59.3	72.0	21.1
<i>Sturdy Grow EXP 92013</i>	50	131.3	89.5	0.0	9.1	57.0	70.3	19.2
<i>Trisler T-95W1</i>	51	138.6	95.1	0.0	8.4	63.0	72.0	18.1
<i>Triumph TRX4821</i>	52	128.5	93.2	0.0	13.8	56.0	71.3	18.9
Vineyard V414W	53	110.2	95.1	0.0	8.4	52.3	70.0	17.1
Vineyard V424W	54	120.3	92.0	0.0	2.1	57.0	71.0	19.9
Vineyard V438W	55	122.6	92.0	0.0	2.0	47.7	72.0	19.7
Vineyard V442W	56	120.0	95.1	0.0	11.1	48.3	70.3	21.8
Vineyard V448W	57	130.2	94.4	0.0	6.0	54.0	70.7	20.4
Vineyard V449W	58	133.4	90.7	0.0	4.1	49.0	71.3	21.3
<i>Vineyard V453W</i>	59	126.3	95.1	0.0	3.9	53.0	71.3	21.0
<i>Vineyard Vx4134W</i>	60	132.2	91.4	0.0	2.0	55.0	70.7	16.6
Whisnand 51AW	61	114.7	89.5	0.0	9.0	60.0	72.0	18.9
<i>Whisnand 52AW</i>	62	131.2	84.6	0.0	12.7	56.3	71.7	19.9
Wilson 1780W	63	139.1	87.7	0.0	3.4	52.0	72.0	22.1
Wilson 1790W	64	121.4	95.7	0.0	4.6	51.0	72.0	21.2
<i>Wilson E954002</i>	65	137.9	92.0	0.0	7.3	57.0	72.7	20.3
Zimmerman Z62W	66	107.6	94.4	0.0	1.3	58.0	73.0	17.5
Yellow check B73 × Mo17	67	138.2	87.7	0.0	7.2	56.0	70.0	19.7
<i>Yellow check Pioneer Brand 3394</i>	68	138.3	96.3	0.0	3.8	47.7	70.7	17.7
Mean		127.8	91.9	0.0	7.3	54.2	71.0	19.5
LSD 0.05		15.4	ns	ns	7.4	6.9	1.3	1.3
CV%		7.4			62.2	7.8	1.1	4.1

[†] Data from two replications.

Table 25. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at Ogden, IA. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	156.4	99.4	2.4	4.2	.	.	21.1
<i>Asgrow X757920W</i>	2	137.2	88.1	0.0	2.0	.	.	17.4
<i>Beck 5905W</i>	3	152.1	88.7	0.0	8.1	.	.	18.3
<i>Bo-Jac 523W</i>	4	163.2	91.1	1.3	4.5	.	.	18.2
<i>Cargill 8097W</i>	5	156.3	89.9	0.7	6.1	.	.	17.4
<i>Cargill X7512W</i>	6	183.3	94.6	11.3	5.7	.	.	19.9
<i>Cargill X7513W</i>	7	174.6	88.1	1.9	2.8	.	.	21.3
<i>Crow's W55</i>	8	135.1	76.8	0.7	3.9	.	.	19.2
<i>Crow's EX550</i>	9	158.1	83.9	0.0	4.2	.	.	18.1
<i>Crow's EX551</i>	10	152.0	90.5	4.1	5.6	.	.	16.7
<i>DeKalb Genetics 555W</i>	11	155.3	91.7	0.0	2.6	.	.	17.1
<i>DeKalb Genetics DK703W</i>	12	133.2	88.1	9.0	2.7	.	.	19.5
<i>DeKalb Genetics 742W</i>	13	139.0	91.7	0.0	6.4	.	.	21.1
<i>DeKalb Genetics EXP566W</i>	14	156.8	95.2	0.0	1.8	.	.	19.2
<i>DeKalb Genetics EXP567W</i>	15	168.6	89.9	0.0	6.1	.	.	17.5
<i>Hoegemeyer 1125W</i>	16	146.2	97.6	1.8	3.1	.	.	20.6
<i>Hoegemeyer 1131W</i>	17	147.3	91.7	3.7	6.0	.	.	18.7
<i>Hoegemeyer 1142W</i>	18	153.3	95.8	0.0	6.9	.	.	25.5
<i>Hoegemeyer X581W</i>	19	141.1	90.5	0.0	10.1	.	.	16.7
<i>ICI Seeds 8320W</i>	20	164.3	85.7	0.7	3.5	.	.	18.8
<i>ICI Seeds N2362W</i>	21	153.5	86.9	0.7	4.8	.	.	16.3
<i>IFSI 90-1</i>	22	155.1	86.3	2.2	5.3	.	.	18.0
<i>IFSI 93-4</i>	23	139.4	78.0	0.0	6.8	.	.	17.8
<i>IFSI 94-1</i>	24	133.6	82.7	0.0	6.4	.	.	16.0
<i>IFSI 95-2</i>	25	150.1	73.8	2.5	11.1	.	.	18.0
<i>LG Seeds NB571W</i>	26	145.3	89.3	1.3	4.6	.	.	16.6
<i>LG Seeds NB710W</i>	27	155.8	90.5	2.1	2.5	.	.	17.4
<i>LG Seeds NB739W</i>	28	138.2	84.5	0.0	2.1	.	.	21.1
<i>LG Seeds NB742W</i>	29	144.1	92.9	0.0	7.1	.	.	21.2
<i>LG Seeds NB749W</i>	30	165.0	95.8	8.2	5.0	.	.	21.1
<i>Lynks Seeds 2802W</i>	31	164.2	83.3	1.4	4.3	.	.	18.2
<i>Merschman M-3114W</i>	32	153.9	81.5	1.4	5.0	.	.	18.6
<i>NC+ 6555W</i>	33	157.9	89.3	0.7	4.7	.	.	20.5
<i>Pioneer Brand 3203W</i>	34	155.9	86.9	0.0	7.6	.	.	19.5
<i>Pioneer Brand 3281W</i>	35	151.1	92.3	0.0	3.4	.	.	18.2
<i>Pioneer Brand 3287W</i>	36	159.7	89.9	0.0	4.7	.	.	20.1
<i>Pioneer Brand 3443W</i>	37	143.0	90.5	0.0	7.9	.	.	15.0
<i>Pioneer Brand 3463W</i>	38	162.5	97.0	0.7	3.7	.	.	16.8
<i>Pioneer Brand X1134WG</i>	39	152.1	83.3	0.0	0.0	.	.	16.3
<i>Producers 7013W</i>	40	135.7	91.7	0.0	1.9	.	.	18.9
<i>Producers EXP 1131W</i>	41	150.3	83.3	0.0	8.5	.	.	17.1
<i>Purdue H126W/FR819W</i>	42	141.9	89.9	3.8	4.5	.	.	17.2
<i>Purdue H126W/H122W</i>	43	149.0	81.0	0.0	4.6	.	.	19.0
<i>Sturdy Grow SG731W</i>	44	127.7	88.7	0.0	2.7	.	.	20.6
<i>Sturdy Grow SG755W</i>	45	164.6	85.1	0.0	5.8	.	.	17.5

Table 25. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	157.0	96.4	0.0	11.7	.	.	18.4
Sturdy Grow SG777W	47	162.1	89.3	5.2	6.0	.	.	18.0
Sturdy Grow SG797W	48	149.6	83.9	0.0	6.9	.	.	20.2
Sturdy Grow SG798W	49	134.1	91.7	3.9	5.2	.	.	20.7
<i>Sturdy Grow EXP 92013</i>	50	156.0	89.3	0.7	5.4	.	.	17.1
<i>Trisler T-95W1</i>	51	148.1	88.1	0.0	6.3	.	.	17.8
<i>Triumph TRX4821</i>	52	145.3	89.3	0.6	7.6	.	.	17.0
Vineyard V414W	53	158.6	95.2	3.2	6.5	.	.	17.2
Vineyard V424W	54	152.7	91.1	5.9	5.5	.	.	20.6
Vineyard V438W	55	153.0	89.3	0.0	2.6	.	.	19.3
Vineyard V442W	56	145.1	91.7	0.0	7.2	.	.	22.4
Vineyard V448W	57	150.5	90.5	0.0	4.5	.	.	20.3
Vineyard V449W	58	148.7	90.5	3.9	6.6	.	.	21.8
<i>Vineyard V453W</i>	59	152.9	85.7	0.0	2.1	.	.	23.0
<i>Vineyard Vx4134W</i>	60	150.0	96.4	0.0	8.7	.	.	17.0
Whisnand 51AW	61	163.4	86.9	0.7	2.7	.	.	18.0
<i>Whisnand 52AW</i>	62	140.0	86.3	3.2	13.9	.	.	17.2
Wilson 1780W	63	155.1	83.3	0.0	3.8	.	.	23.6
Wilson 1790W	64	154.4	83.3	0.7	2.9	.	.	21.9
<i>Wilson E954002</i>	65	149.5	88.1	1.3	2.7	.	.	19.4
Zimmerman Z62W	66	147.2	88.1	0.6	1.3	.	.	16.9
Yellow check B73×Mo17	67	157.4	80.4	0.0	6.7	.	.	18.6
<i>Yellow check Pioneer Brand 3394</i>	68	146.7	85.1	0.6	7.1	.	.	16.5
Mean		151.5	88.6	1.4	5.2	.	.	18.9
LSD 0.05		21.7	11.3	5.2	5.1			1.3
CV%		8.8	7.8	232.0	59.6			4.1

Table 26. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at St. Joseph, MO. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	142.0	100.0	0.0	5.6	41.0	.	20.1
<i>Asgrow X757920W</i>	2	134.7	100.0	0.0	1.4	38.7	.	18.9
<i>Beck 5905W</i>	3	146.9	100.0	0.0	0.0	39.7	.	20.4
Bo-Jac 523W	4	136.7	100.0	0.0	0.7	41.3	.	20.4
Cargill 8097W	5	150.2	100.0	0.7	2.8	39.3	.	19.9
<i>Cargill X7512W</i>	6	135.1	100.0	1.4	8.3	38.7	.	21.4
<i>Cargill X7513W</i>	7	142.9	100.0	0.7	6.2	39.3	.	22.7
Crow's W55	8	145.6	100.0	0.0	6.2	41.3	.	20.4
<i>Crow's EX550</i>	9	145.2	100.0	0.0	3.5	41.3	.	20.1
<i>Crow's EX551</i>	10	136.8	100.0	0.7	30.6	40.0	.	19.2
DeKalb Genetics 555W	11	106.8	100.0	0.0	0.7	30.7	.	17.7
DeKalb Genetics DK703W	12	125.7	100.0	0.0	2.1	39.0	.	19.5
DeKalb Genetics 742W	13	95.9	100.0	0.0	6.2	32.3	.	20.1
<i>DeKalb Genetics EXP566W</i>	14	98.4	100.0	0.0	11.1	33.0	.	17.7
<i>DeKalb Genetics EXP567W</i>	15	128.5	100.0	0.0	13.2	40.3	.	19.4
Hoegemeyer 1125W	16	128.5	100.0	0.0	9.0	41.0	.	20.5
Hoegemeyer 1131W	17	148.7	100.0	0.7	2.8	42.0	.	20.3
Hoegemeyer 1142W	18	114.1	100.0	0.0	0.7	32.3	.	25.8
<i>Hoegemeyer X581W</i>	19	131.4	100.0	0.0	10.4	40.3	.	18.0
ICI Seeds 8320W	20	157.2	100.0	0.0	7.6	38.0	.	19.7
<i>ICI Seeds N2362W</i>	21	137.3	100.0	0.0	10.4	39.0	.	16.7
IFSI 90-1	22	156.1	100.0	1.4	2.8	37.7	.	20.0
IFSI 93-4	23	143.8	100.0	0.7	4.2	37.3	.	18.1
IFSI 94-1	24	137.8	100.0	0.0	8.3	38.3	.	20.1
<i>IFSI 95-2</i>	25	154.1	100.0	1.4	9.0	43.3	.	19.8
LG Seeds NB571W	26	116.5	100.0	0.7	16.7	33.7	.	17.3
LG Seeds NB710W	27	127.8	97.2	23.5	9.3	39.0	.	19.2
LG Seeds NB739W	28	88.3	100.0	1.4	0.7	28.7	.	19.1
LG Seeds NB742W	29	101.6	100.0	0.0	8.3	29.7	.	19.1
<i>LG Seeds NB749W</i>	30	101.9	100.0	0.0	2.8	29.7	.	20.2
<i>Lynks Seeds 2802W</i>	31	147.2	100.0	0.0	2.1	42.0	.	19.9
<i>Merschman M-3114W</i>	32	148.0	97.2	0.0	6.4	40.3	.	20.5
NC+ 6555W	33	135.8	100.0	0.7	4.2	37.7	.	19.8
Pioneer Brand 3203W	34	141.1	100.0	0.0	6.9	37.0	.	24.1
Pioneer Brand 3281W	35	116.3	100.0	0.7	10.4	35.3	.	19.3
Pioneer Brand 3287W	36	111.1	100.0	1.4	4.9	36.3	.	18.3
Pioneer Brand 3443W	37	139.5	100.0	0.0	1.4	38.7	.	17.5
Pioneer Brand 3463W	38	126.2	100.0	0.0	2.8	34.7	.	17.5
<i>Pioneer Brand X1134WG</i>	39	100.0	94.4	0.0	4.6	30.0	.	17.6
<i>Producers 7013W</i>	40	141.9	100.0	0.0	3.5	37.7	.	20.6
<i>Producers EXP 1131W</i>	41	145.8	100.0	0.0	9.0	38.0	.	18.2
<i>Purdue H126W/FR819W</i>	42	136.7	100.0	5.6	3.5	41.7	.	18.7
<i>Purdue H126W/H122W</i>	43	116.7	97.2	6.4	12.2	39.7	.	19.4
Sturdy Grow SG731W	44	109.9	100.0	0.0	4.9	32.0	.	18.8
<i>Sturdy Grow SG755W</i>	45	153.3	100.0	0.0	0.7	40.0	.	19.0

Table 26. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	131.5	100.0	0.0	4.9	41.7	.	18.2
Sturdy Grow SG777W	47	157.7	100.0	0.0	8.3	40.7	.	19.8
Sturdy Grow SG797W	48	143.7	100.0	0.0	1.4	41.3	.	20.2
Sturdy Grow SG798W	49	135.5	100.0	8.3	10.4	41.7	.	19.8
<i>Sturdy Grow EXP 92013</i>	50	144.7	100.0	0.7	0.0	38.7	.	18.8
<i>Trisler T-95W1</i>	51	155.8	100.0	4.2	2.1	43.7	.	19.5
<i>Triumph TRX4821</i>	52	137.6	100.0	0.0	3.5	38.7	.	17.9
Vineyard V414W	53	117.6	100.0	2.8	6.2	34.3	.	19.1
Vineyard V424W	54	121.0	100.0	11.1	1.4	39.3	.	20.0
Vineyard V438W	55	119.8	100.0	0.0	3.5	39.3	.	19.6
Vineyard V442W	56	139.3	100.0	0.0	2.1	38.0	.	23.5
Vineyard V448W	57	132.1	100.0	6.9	4.9	37.7	.	20.9
Vineyard V449W	58	133.1	100.0	0.0	14.6	34.7	.	20.6
<i>Vineyard V453W</i>	59	116.3	100.0	0.0	9.7	34.0	.	19.9
<i>Vineyard Vx4134W</i>	60	133.1	100.0	0.7	5.6	39.3	.	19.1
Whisnand 51AW	61	151.3	100.0	0.0	4.9	42.0	.	20.1
<i>Whisnand 52AW</i>	62	139.7	100.0	1.4	6.2	34.0	.	19.0
Wilson 1780W	63	117.3	100.0	0.0	47.2	35.3	.	22.3
Wilson 1790W	64	129.1	100.0	0.0	1.4	35.7	.	22.1
<i>Wilson E954002</i>	65	128.1	100.0	0.0	2.1	41.0	.	21.7
Zimmerman Z62W	66	146.7	100.0	0.0	2.8	36.7	.	18.1
Yellow check B73 × Mo17	67	141.2	100.0	0.0	2.1	37.7	.	19.6
<i>Yellow check Pioneer Brand 3394</i>	68	133.3	100.0	5.6	6.9	35.3	.	17.8
Mean		132.2	99.8	1.3	6.3	37.8	.	19.7
LSD 0.05		17.3	ns	ns	ns	4.4		1.0
CV%		8.0				7.1		3.2

Table 27. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at Clay Center, NE. New entries for 1995 are shown in italics. Many dropped ears occurred.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	117.6	93.2	6.0	12.6	.	.	17.1
<i>Asgrow X757920W</i>	2	125.2	86.7	7.5	5.5	.	.	13.9
<i>Beck 5905W</i>	3	107.7	95.8	7.0	11.1	.	.	14.8
<i>Bo-Jac 523W</i>	4	107.2	92.4	2.6	20.0	.	.	15.2
<i>Cargill 8097W</i>	5	103.3	75.4	4.9	17.3	.	.	14.9
<i>Cargill X7512W</i>	6	161.6	87.1	10.4	60.4	.	.	15.8
<i>Cargill X7513W</i>	7	137.7	83.3	11.5	54.0	.	.	16.9
<i>Crow's W55</i>	8	86.2	88.6	6.0	10.7	.	.	14.9
<i>Crow's EX550</i>	9	104.3	83.7	4.0	20.0	.	.	14.8
<i>Crow's EX551</i>	10	99.0	87.1	5.5	18.4	.	.	14.5
<i>DeKalb Genetics 555W</i>	11	158.9	82.2	2.3	6.3	.	.	13.9
<i>DeKalb Genetics DK703W</i>	12	134.3	82.6	2.8	11.7	.	.	16.6
<i>DeKalb Genetics 742W</i>	13	130.7	84.8	0.9	3.1	.	.	16.2
<i>DeKalb Genetics EXP566W</i>	14	136.5	85.6	0.4	6.0	.	.	14.7
<i>DeKalb Genetics EXP567W</i>	15	102.0	85.2	2.0	26.8	.	.	14.2
<i>Hoegemeyer 1125W</i>	16	129.0	79.2	4.0	38.4	.	.	15.3
<i>Hoegemeyer 1131W</i>	17	105.3	74.6	5.8	15.0	.	.	15.1
<i>Hoegemeyer 1142W</i>	18	131.9	89.4	7.1	18.1	.	.	21.0
<i>Hoegemeyer X581W</i>	19	99.0	76.5	6.2	30.1	.	.	14.5
<i>ICI Seeds 8320W</i>	20	96.3	87.5	3.5	22.3	.	.	14.7
<i>ICI Seeds N2362W</i>	21	105.1	83.7	4.1	14.5	.	.	13.5
<i>IFSI 90-1</i>	22	86.1	87.9	5.3	20.3	.	.	14.5
<i>IFSI 93-4</i>	23	100.1	95.8	11.3	14.4	.	.	14.4
<i>IFSI 94-1</i>	24	117.1	89.8	3.0	4.7	.	.	13.8
<i>IFSI 95-2</i>	25	97.9	77.7	8.6	19.9	.	.	14.9
<i>LG Seeds NB571W</i>	26	132.6	86.7	13.2	7.8	.	.	14.3
<i>LG Seeds NB710W</i>	27	131.4	96.6	0.4	19.3	.	.	13.9
<i>LG Seeds NB739W</i>	28	139.4	90.2	0.4	3.8	.	.	16.4
<i>LG Seeds NB742W</i>	29	144.9	93.2	5.3	11.5	.	.	15.6
<i>LG Seeds NB749W</i>	30	136.7	99.2	2.0	6.4	.	.	15.1
<i>Lynks Seeds 2802W</i>	31	91.8	95.1	6.9	17.2	.	.	14.8
<i>Merschman M-3114W</i>	32	79.1	91.7	3.6	18.4	.	.	14.6
<i>NC+ 6555W</i>	33	143.1	84.1	7.8	14.4	.	.	15.8
<i>Pioneer Brand 3203W</i>	34	129.4	98.1	11.9	22.8	.	.	16.4
<i>Pioneer Brand 3281W</i>	35	122.1	91.3	4.7	6.6	.	.	14.8
<i>Pioneer Brand 3287W</i>	36	137.8	88.6	17.2	3.1	.	.	14.4
<i>Pioneer Brand 3443W[†]</i>	37	97.4	92.4	4.9	13.6	.	.	13.3
<i>Pioneer Brand 3463W</i>	38	129.7	83.3	0.0	3.1	.	.	13.9
<i>Pioneer Brand X1134WG</i>	39	103.3	81.1	0.8	5.1	.	.	13.9
<i>Producers 7013W</i>	40	104.2	86.4	1.3	10.8	.	.	15.3
<i>Producers EXP 1131W[^]</i>	41	96.4	82.6	8.2	31.5	.	.	14.1
<i>Purdue H126W/FR819W[†]</i>	42	74.3	90.9	13.9	10.9	.	.	12.9
<i>Purdue H126W/H122W[†]</i>	43	108.8	101.5	5.3	7.0	.	.	14.8
<i>Sturdy Grow SG731W[†]</i>	44	148.1	92.4	8.1	10.8	.	.	15.1
<i>Sturdy Grow SG755W</i>	45	104.2	86.0	5.4	23.7	.	.	14.1

Table 27. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	136.0	92.8	3.3	29.1	.	.	15.1
Sturdy Grow SG777W	47	93.6	77.3	3.5	18.6	.	.	14.7
Sturdy Grow SG797W	48	138.5	76.9	16.1	23.3	.	.	16.3
Sturdy Grow SG798W	49	121.2	88.3	10.7	12.3	.	.	16.9
<i>Sturdy Grow EXP 92013</i>	50	92.3	81.4	9.4	20.9	.	.	14.1
<i>Trisler T-95W1</i> [†]	51	123.3	86.4	17.4	26.6	.	.	14.7
<i>Triumph TRX4821</i>	52	91.0	66.7	4.1	29.6	.	.	14.4
Vineyard V414W	53	127.1	83.7	11.8	15.4	.	.	13.9
Vineyard V424W	54	138.5	79.5	6.5	8.5	.	.	14.5
Vineyard V438W	55	130.1	82.6	1.4	4.5	.	.	14.8
Vineyard V442W	56	96.8	79.5	27.9	21.6	.	.	17.5 [†]
Vineyard V448W	57	140.1	72.7	6.2	16.6	.	.	15.5
Vineyard V449W	58	136.8	76.9	5.6	24.4	.	.	16.1
<i>Vineyard V453W</i>	59	138.3	87.9	4.6	5.8	.	.	15.1
<i>Vineyard Vx4134W</i>	60	110.0	97.0	9.3	13.3	.	.	13.5
Whisnand 51AW	61	92.4	80.7	2.4	10.9	.	.	14.9
<i>Whisnand 52AW</i>	62	103.8	85.2	5.3	29.5	.	.	14.0
Wilson 1780W	63	130.7	92.4	16.4	7.8	.	.	18.0
Wilson 1790W	64	108.5	79.2	9.1	11.7	.	.	16.2
<i>Wilson E954002</i>	65	129.0	86.4	11.8	8.3	.	.	15.1
Zimmerman Z62W [†]	66	98.7	97.7	0.0	8.2	.	.	13.8
Yellow check B73×Mo17	67	125.9	98.1	7.3	9.8	.	.	14.7
<i>Yellow check Pioneer Brand 3394</i>	68	161.8	85.6	3.4	10.3	.	.	13.9
Mean		117.6	86.5	6.6	16.1	.	.	15.0
LSD 0.05		23.1	15.9	10.0	16.7			0.7
CV%		12.0	11.3	92.6	63.4			3.0

[†] Data from two replications.

Table 28. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at Gothenburg, NE. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	149.5	95.0	0.0	6.7	58.7	.	27.2
<i>Asgrow X757920W</i>	2	151.2	86.9	0.0	3.3	52.3	.	22.6
<i>Beck 5905W</i>	3	125.6	93.6	0.7	4.8	59.0	.	23.3
Bo-Jac 523W	4	124.7	95.7	0.8	5.3	58.3	.	23.5
Cargill 8097W	5	129.2	93.6	1.9	3.8	61.7	.	23.7
<i>Cargill X7512W</i>	6	142.4	91.5	2.1	13.1	55.3	.	27.3
<i>Cargill X7513W</i>	7	166.4	94.7	2.6	4.1	58.7	.	26.6
Crow's W55	8	118.3	84.4	0.0	1.4	57.3	.	26.0
<i>Crow's EX550</i>	9	128.9	93.6	0.8	3.4	57.3	.	23.8
<i>Crow's EX551</i>	10	129.0	82.6	0.0	5.1	54.7	.	23.7
DeKalb Genetics 555W	11	136.4	91.5	0.0	3.1	42.0	.	21.2
DeKalb Genetics DK703W	12	130.0	88.7	0.4	6.4	54.0	.	27.4
DeKalb Genetics 742W	13	124.5	86.9	0.0	8.1	41.3	.	23.0
<i>DeKalb Genetics EXP566W</i>	14	137.3	88.7	0.0	2.7	43.3	.	22.0
<i>DeKalb Genetics EXP567W</i>	15	118.8	92.2	0.0	10.2	57.0	.	25.8
Hoegemeyer 1125W	16	129.1	94.3	0.0	3.1	54.3	.	27.6
Hoegemeyer 1131W	17	114.6	93.6	2.3	6.4	55.7	.	26.8
Hoegemeyer 1142W	18	123.8	82.6	0.0	6.0	52.7	.	29.0
<i>Hoegemeyer X581W</i>	19	140.8	84.8	1.9	5.9	55.7	.	24.6
ICI Seeds 8320W	20	134.8	88.7	0.0	3.1	57.7	.	23.4
<i>ICI Seeds N2362W</i>	21	142.2	90.8	4.8	12.5	51.0	.	20.6
IFSI 90-1	22	133.8	87.2	0.4	4.9	55.7	.	23.4
IFSI 93-4	23	138.2	81.9	0.0	4.3	55.3	.	23.9
IFSI 94-1	24	130.9	92.2	0.0	5.1	52.0	.	24.5
<i>IFSI 95-2</i>	25	129.7	84.8	0.0	4.5	57.3	.	21.3
LG Seeds NB571W	26	126.2	79.4	0.0	8.2	40.0	.	20.4
LG Seeds NB710W	27	149.2	83.0	0.0	9.6	51.3	.	22.2
LG Seeds NB739W	28	102.9	64.2	0.0	1.0	42.7	.	26.5
LG Seeds NB742W	29	123.4	91.1	0.0	7.4	43.0	.	25.2
<i>LG Seeds NB749W</i>	30	143.6	92.6	0.0	7.7	58.7	.	27.8
<i>Lynks Seeds 2802W</i>	31	111.5	85.5	0.5	5.7	58.7	.	24.4
<i>Merschman M-3114W</i>	32	124.6	87.9	0.4	3.3	58.0	.	22.9
NC+ 6555W	33	130.8	84.4	0.0	6.4	59.3	.	27.3
Pioneer Brand 3203W	34	130.4	91.8	0.0	17.4	54.3	.	25.4
Pioneer Brand 3281W	35	127.3	93.3	0.0	9.9	51.0	.	22.3
Pioneer Brand 3287W	36	106.3	89.7	0.0	15.7	50.3	.	21.8
Pioneer Brand 3443W	37	118.8	94.3	0.0	7.3	50.7	.	18.8
Pioneer Brand 3463W	38	128.0	87.6	0.0	2.7	49.7	.	20.3
<i>Pioneer Brand X1134WG</i>	39	110.0	64.5	0.0	5.4	57.3	.	20.8
<i>Producers 7013W</i>	40	120.7	85.5	0.8	1.2	57.3	.	26.2
<i>Producers EXP 1131W</i>	41	127.3	91.1	0.0	10.8	56.0	.	24.9
<i>Purdue H126W/FR819W</i>	42	109.0	78.4	0.0	11.3	53.3	.	20.3
<i>Purdue H126W/H122W</i>	43	98.0	70.9	0.0	17.8	51.7	.	26.6
Sturdy Grow SG731W	44	135.1	89.0	0.0	5.7	41.3	.	25.9
<i>Sturdy Grow SG755W</i>	45	124.2	86.2	0.0	6.5	55.7	.	24.8

Table 28. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	156.9	93.3	0.0	3.1	54.0	.	23.9
Sturdy Grow SG777W	47	113.6	91.8	1.6	10.9	60.7	.	24.8
Sturdy Grow SG797W	48	144.4	99.3	0.0	12.2	57.7	.	27.9
Sturdy Grow SG798W	49	135.2	96.5	0.0	4.8	61.0	.	27.3
<i>Sturdy Grow EXP 92013</i>	50	155.4	93.6	0.4	8.5	53.7	.	21.5
<i>Trisler T-95W1</i>	51	151.6	96.8	0.3	6.5	61.3	.	21.3
<i>Triumph TRX4821</i>	52	129.9	87.9	0.4	8.5	56.0	.	24.1
Vineyard V414W	53	117.8	91.1	0.0	1.5	51.0	.	20.0
Vineyard V424W	54	128.0	91.5	0.4	0.7	54.0	.	21.8
Vineyard V438W	55	143.4	95.7	0.4	2.6	51.7	.	21.4
Vineyard V442W	56	120.3	92.6	1.1	3.5	53.3	.	25.9
Vineyard V448W	57	136.1	90.8	0.0	2.4	51.0	.	26.4
Vineyard V449W	58	131.0	84.8	0.0	0.4	51.3	.	26.6
<i>Vineyard V453W</i>	59	134.5	89.7	0.0	1.2	46.7	.	27.2
<i>Vineyard Vx4134W</i>	60	121.9	88.7	0.0	2.3	55.0	.	18.6
Whisnand 51AW	61	135.5	88.7	0.4	6.7	60.0	.	23.8
<i>Whisnand 52AW</i>	62	135.4	89.7	0.0	4.3	55.7	.	24.6
Wilson 1780W	63	142.9	82.3	0.0	1.3	50.7	.	27.6
Wilson 1790W	64	143.2	87.6	0.4	3.2	50.3	.	26.6
<i>Wilson E954002</i>	65	130.7	90.1	0.0	3.5	56.3	.	25.0
Zimmerman Z62W	66	92.8	95.0	0.8	18.2	52.3	.	21.1
Yellow check B73 × Mo17	67	165.3	79.8	0.0	1.4	52.7	.	26.5
<i>Yellow check Pioneer Brand 3394</i>	68	148.4	89.7	0.0	8.3	47.3	.	20.7
Mean		130.8	88.5	0.4	6.1	53.6	..	24.1
LSD 0.05		23.3	10.4	ns	9.8	4.9		1.5
CV%		10.9	7.2		98.3	5.6		3.8

Table 29. Yield and agronomic data from the 1995 Early White Food Corn Performance Test at Knoxville, TN. New entries for 1995 are shown in italics.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
<i>AgriGold XA3302W</i>	1	128.5	96.9	0.0	0.0	52.0	71.7	17.3
<i>Asgrow X757920W</i>	2	137.2	100.0	0.0	0.0	50.3	71.0	15.9
<i>Beck 5905W</i>	3	111.7	96.3	0.0	0.0	49.0	70.7	15.6
Bo-Jac 523W	4	123.0	97.5	0.0	0.0	50.7	71.0	17.1
Cargill 8097W	5	133.3	99.4	0.0	0.0	53.3	71.3	16.6
<i>Cargill X7512W</i>	6	156.3	95.7	0.0	1.9	51.7	68.3	14.7
<i>Cargill X7513W</i>	7	137.5	99.4	0.0	3.7	50.7	67.7	15.1
Crow's W55	8	108.6	96.3	0.0	1.9	51.3	71.7	15.7
<i>Crow's EX550</i>	9	120.5	96.9	0.0	1.3	47.0	71.3	16.1
<i>Crow's EX551</i>	10	142.4	96.3	0.0	0.6	49.0	71.0	18.0
DeKalb Genetics 555W	11	125.2	96.9	0.0	0.0	39.3	68.3	14.3
DeKalb Genetics DK703W	12	119.3	95.7	0.0	0.6	48.7	70.7	17.3
DeKalb Genetics 742W	13	123.2	98.8	0.0	1.8	38.3	70.3	18.8
<i>DeKalb Genetics EXP566W</i>	14	99.6	100.6	0.0	1.9	44.0	69.7	15.8
<i>DeKalb Genetics EXP567W</i>	15	136.6	91.4	0.0	1.4	50.3	71.0	17.3
Hoegemeyer 1125W	16	103.7	99.4	0.0	1.2	49.3	72.0	17.5
Hoegemeyer 1131W	17	131.9	96.9	0.0	0.0	55.7	70.3	16.4
Hoegemeyer 1142W	18	131.4	99.4	0.0	0.0	46.7	71.0	19.6
<i>Hoegemeyer X581W</i>	19	128.2	98.1	0.0	1.3	48.3	70.7	17.4
ICI Seeds 8320W	20	131.2	96.9	0.0	1.3	54.0	71.3	16.5
<i>ICI Seeds N2362W</i>	21	144.7	100.0	0.0	2.5	50.3	70.0	15.0
IFSI 90-1	22	115.9	96.9	0.0	0.0	47.0	71.0	16.1
IFSI 93-4	23	121.1	88.3	0.0	0.0	49.0	71.7	18.3
IFSI 94-1	24	131.6	91.4	0.0	0.6	49.7	71.3	15.6
<i>IFSI 95-2</i>	25	150.0	87.0	0.0	0.0	55.3	71.0	16.7
LG Seeds NB571W	26	138.5	93.8	0.0	4.0	43.7	70.0	14.5
LG Seeds NB710W	27	140.8	97.5	0.0	2.6	49.3	69.0	15.8
LG Seeds NB739W	28	120.0	90.1	0.0	0.0	37.7	70.7	17.3
LG Seeds NB742W	29	127.4	95.1	0.0	1.3	36.3	69.0	17.4
<i>LG Seeds NB749W</i>	30	123.2	98.1	0.0	0.6	48.0	71.3	17.4
<i>Lynks Seeds 2802W</i>	31	117.4	97.5	0.0	0.0	52.7	71.7	16.0
<i>Merschman M-3114W</i>	32	122.1	94.4	0.0	0.0	49.3	70.3	16.5
NC+ 6555W	33	127.1	95.7	0.0	2.0	50.0	71.3	17.5
Pioneer Brand 3203W	34	130.7	96.9	0.0	1.3	44.7	71.0	17.4
Pioneer Brand 3281W	35	126.7	96.3	0.0	0.0	46.3	72.0	16.8
Pioneer Brand 3287W	36	103.9	79.6	0.0	1.6	44.3	68.3	15.4
Pioneer Brand 3443W	37	121.4	96.9	0.0	1.3	49.0	68.0	14.9
Pioneer Brand 3463W	38	105.2	82.7	0.0	1.4	47.0	67.7	14.8
<i>Pioneer Brand X1134WG</i>	39	114.5	75.3	0.0	1.0	46.0	69.3	14.5
<i>Producers 7013W</i>	40	129.7	98.8	0.0	0.0	54.0	71.0	15.4
<i>Producers EXP 1131W</i>	41	154.3	97.5	0.0	1.3	48.7	71.7	18.0
<i>Purdue H126W/FR819W</i>	42	144.5	98.1	0.0	0.0	50.7	68.0	14.8
<i>Purdue H126W/H122W</i>	43	129.7	87.7	0.0	0.8	52.3	68.3	15.8
Sturdy Grow SG731W	44	127.4	97.5	0.0	0.0	44.7	68.0	14.9
<i>Sturdy Grow SG755W</i>	45	129.1	99.4	0.0	0.0	51.7	70.7	17.5

Table 29. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Sturdy Grow SG765W	46	133.8	89.5	0.0	0.6	48.3	70.3	16.1
Sturdy Grow SG777W	47	132.2	99.4	0.0	1.2	52.3	71.0	17.3
Sturdy Grow SG797W	48	117.6	96.3	0.0	0.7	49.3	71.3	17.1
Sturdy Grow SG798W	49	107.8	94.4	0.0	0.0	48.0	71.0	17.8
<i>Sturdy Grow EXP 92013</i>	50	131.5	98.8	0.0	0.0	52.7	71.0	15.7
<i>Trisler T-95W1</i>	51	142.2	92.6	0.0	0.0	58.0	71.7	16.0
<i>Triumph TRX4821</i>	52	136.3	94.4	0.0	0.0	48.0	71.7	18.8
Vineyard V414W	53	121.8	98.8	0.0	1.9	48.0	71.7	15.3
Vineyard V424W	54	118.2	98.8	0.0	0.0	47.7	70.7	16.6
Vineyard V438W	55	97.6	101.2	0.0	0.0	45.3	69.7	16.2
Vineyard V442W	56	124.0	99.4	0.0	0.0	43.7	69.3	17.8
Vineyard V448W	57	129.8	95.1	0.0	1.4	49.0	68.7	17.2
Vineyard V449W	58	110.6	82.1	0.0	0.0	44.0	71.0	18.1
<i>Vineyard V453W</i>	59	121.3	100.0	0.0	1.2	48.3	70.7	16.2
<i>Vineyard Vx4134W</i>	60	114.8	94.4	0.0	0.0	51.7	71.0	15.1
Whisnand 51AW	61	121.5	95.1	0.0	0.0	49.0	71.0	16.3
<i>Whisnand 52AW</i>	62	155.9	101.2	0.0	1.2	50.0	71.0	18.1
Wilson 1780W	63	141.5	96.3	0.0	0.6	49.3	70.3	16.9
Wilson 1790W	64	129.3	93.8	0.0	0.7	48.0	70.3	16.6
<i>Wilson E954002</i>	65	116.4	98.1	0.0	0.0	51.3	70.7	16.8
Zimmerman Z62W	66	150.7	100.0	0.0	1.2	53.7	72.0	15.9
Yellow check B73 × Mo17	67	132.2	92.0	0.0	0.7	52.0	69.3	14.3
<i>Yellow check Pioneer Brand 3394</i>	68	141.8	93.8	0.0	0.0	49.3	69.0	14.5
Mean		127.3	95.4	0.0	0.8	48.7	70.4	16.4
LSD 0.05		23.2	9.4	ns	ns	5.2	1.5	1.3
CV%		11.1	6.0			6.5	1.3	5.0

Table 30. Combined yield and agronomic data from eight northern locations of the 1995 Early White Food Corn Performance Test.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)	b ₁ (bu/a/I)	Std. devn. (bu/a)
<i>AgriGold XA3302W</i>	1	145.7	96.5	1.2	5.4	50.6	72.3	21.3	1.28	7.7
<i>Asgrow X757920W</i>	2	140.3	93.9	1.1	2.7	46.1	70.7	17.8	0.52	10.0
<i>Beck 5905W</i>	3	134.2	94.2	1.2	5.0	50.6	71.7	19.1	1.50	11.3
<i>Bo-Jac 523W</i>	4	133.3	95.9	0.9	6.3	48.5	72.7	19.4	1.37	7.8
<i>Cargill 8097W</i>	5	139.5	93.6	1.4	5.5	49.5	72.0	19.3	1.27	10.3
<i>Cargill X7512W</i>	6	151.6	94.2	5.5	14.4	48.3	68.7	20.6	1.05	14.9
<i>Cargill X7513W</i>	7	153.4	92.3	4.3	13.0	47.8	69.3	21.3	1.24	8.3
<i>Crow's W55</i>	8	121.7	91.8	1.1	4.7	50.7	71.7	19.9	1.12	13.2
<i>Crow's EX550</i>	9	136.7	92.4	0.8	6.3	49.3	71.7	19.4	1.24	11.9
<i>Crow's EX551</i>	10	132.8	93.2	1.5	11.3	49.5	72.0	18.7	1.35	10.1
<i>DeKalb Genetics 555W</i>	11	130.0	93.4	2.4	2.5	37.1	67.7	16.7	0.44	21.5
<i>DeKalb Genetics DK703W</i>	12	127.1	89.8	1.9	4.4	47.3	72.0	20.4	0.59	10.0
<i>DeKalb Genetics 742W</i>	13	121.3	90.0	0.5	6.0	35.5	67.7	20.2	0.74	14.6
<i>DeKalb Genetics EXP566W</i>	14	130.8	94.7	0.4	3.6	38.6	69.3	18.3	0.74	16.4
<i>DeKalb Genetics EXP567W</i>	15	136.7	93.1	0.6	10.1	48.9	70.3	19.0	1.44	11.0
<i>Hoegemeyer 1125W</i>	16	132.1	94.9	0.8	9.0	48.9	72.7	20.8	0.69	6.8
<i>Hoegemeyer 1131W</i>	17	133.2	93.2	1.9	5.5	48.8	72.0	20.0	1.17	11.3
<i>Hoegemeyer 1142W</i>	18	123.5	92.4	1.1	5.9	41.9	72.3	25.0	0.69	18.0
<i>Hoegemeyer X581W</i>	19	133.5	90.5	1.2	9.8	47.4	70.7	18.4	1.05	11.3
<i>ICI Seeds 8320W</i>	20	137.3	93.7	0.7	6.8	48.6	72.7	19.3	1.19	15.3
<i>ICI Seeds N2362W</i>	21	136.8	91.9	2.8	8.2	45.5	70.0	16.6	1.31	7.0
<i>IFSI 90-1</i>	22	137.1	93.2	1.8	6.3	49.5	72.0	19.1	1.35	16.1
<i>IFSI 93-4</i>	23	129.1	90.6	1.7	8.6	44.4	72.0	18.6	0.92	15.4
<i>IFSI 94-1</i>	24	126.9	92.9	0.5	4.3	45.2	72.3	18.5	0.83	10.5
<i>IFSI 95-2</i>	25	135.4	89.0	2.4	8.3	53.2	71.7	18.5	1.17	12.6
<i>LG Seeds NB571W</i>	26	123.4	91.0	3.8	8.3	38.6	69.0	16.7	0.73	12.1
<i>LG Seeds NB710W</i>	27	139.1	93.4	6.9	7.6	46.0	68.7	18.2	1.09	11.7
<i>LG Seeds NB739W</i>	28	117.4	88.5	0.7	2.9	36.5	69.3	20.5	0.21	18.3
<i>LG Seeds NB742W</i>	29	128.0	96.0	1.0	7.3	36.3	68.7	20.2	0.49	15.3
<i>LG Seeds NB749W</i>	30	140.9	96.7	1.5	4.5	49.0	72.3	20.9	1.14	17.3
<i>Lynks Seeds 2802W</i>	31	134.4	93.5	1.5	5.4	49.4	71.7	19.5	1.52	14.4
<i>Merschman M-3114W</i>	32	134.4	93.4	0.9	6.8	50.4	72.0	19.5	1.24	18.9
<i>NC+ 6555W</i>	33	141.6	92.4	1.4	6.6	48.9	72.0	20.8	0.79	7.8
<i>Pioneer Brand 3203W</i>	34	138.9	95.5	1.8	10.0	45.9	72.0	20.3	0.90	5.5
<i>Pioneer Brand 3281W</i>	35	127.6	94.9	0.8	5.4	44.5	71.0	18.7	0.98	7.7
<i>Pioneer Brand 3287W</i>	36	127.2	91.6	3.3	5.3	43.7	69.7	18.8	0.66	19.5
<i>Pioneer Brand 3443W</i>	37	122.2	95.4	0.8	6.8	47.0	67.7	16.5	0.77	11.7
<i>Pioneer Brand 3463W</i>	38	128.9	94.3	0.3	2.5	43.4	67.7	16.5	0.82	11.6
<i>Pioneer Brand X1134WG</i>	39	114.1	85.0	0.4	3.1	43.7	70.7	17.1	0.92	12.3
<i>Producers 7013W</i>	40	126.9	93.9	0.6	3.3	51.0	72.3	20.0	0.94	8.3
<i>Producers EXP 1131W</i>	41	130.5	92.8	1.4	11.1	46.6	72.0	18.8	1.32	11.6
<i>Purdue H126W/FR819W</i>	42	116.2	90.3	4.7	5.0	49.7	69.3	17.1	1.46	13.4
<i>Purdue H126W/H122W</i>	43	121.1	89.8	3.2	7.2	47.5	69.7	19.3	1.18	9.7
<i>Sturdy Grow SG731W</i>	44	130.6	94.5	1.2	4.8	38.4	68.7	19.4	0.42	17.4
<i>Sturdy Grow SG755W</i>	45	139.1	93.3	0.8	7.5	48.3	70.7	18.8	1.49	12.9

Table 30. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)	b _I (bu/a/I)	Std. devn. (bu/a)
Sturdy Grow SG765W	46	146.2	96.0	0.7	9.4	46.9	70.7	19.0	0.83	8.7
Sturdy Grow SG777W	47	139.3	93.3	1.7	7.8	49.7	72.3	19.5	1.49	16.9
Sturdy Grow SG797W	48	143.2	93.5	2.3	7.2	47.8	72.0	21.0	0.83	12.2
Sturdy Grow SG798W	49	135.1	93.4	3.3	6.4	51.2	72.0	21.0	1.02	12.8
<i>Sturdy Grow EXP 92013</i>	50	140.8	92.8	1.8	7.2	48.8	70.3	18.3	1.30	17.9
<i>Trisler T-95W1</i>	51	144.7	95.1	3.4	7.7	53.3	72.0	18.3	0.73	8.4
<i>Triumph TRX4821</i>	52	131.7	90.6	0.9	10.1	47.2	71.3	18.6	1.42	10.5
Vineyard V414W	53	125.5	94.8	3.3	6.2	43.1	70.0	17.6	0.86	12.4
Vineyard V424W	54	135.2	92.9	4.0	3.2	46.7	71.0	19.5	0.85	10.3
Vineyard V438W	55	132.9	93.9	0.8	2.6	42.6	72.0	19.0	0.93	9.9
Vineyard V442W	56	126.6	92.4	4.6	7.4	44.6	70.3	22.1	1.24	13.4
Vineyard V448W	57	135.3	91.5	2.0	5.1	45.2	70.7	20.6	0.75	9.4
Vineyard V449W	58	135.7	92.0	2.1	7.5	43.0	71.3	21.0	0.69	6.0
<i>Vineyard V453W</i>	59	132.2	93.3	1.0	3.6	42.0	71.3	20.8	0.86	11.2
<i>Vineyard Vx4134W</i>	60	128.8	95.3	1.9	4.8	47.1	70.7	16.8	1.08	8.8
Whisnand 51AW	61	133.9	92.8	0.7	5.5	49.7	72.0	19.4	1.38	13.5
<i>Whisnand 52AW</i>	62	131.9	90.5	1.4	10.0	46.3	71.7	18.8	1.05	9.5
Wilson 1780W	63	142.4	91.8	2.4	9.3	44.2	72.0	22.6	0.78	12.0
Wilson 1790W	64	133.7	92.6	1.5	3.6	44.4	72.0	21.4	1.03	7.5
<i>Wilson E954002</i>	65	132.6	92.9	2.3	4.0	49.3	72.7	20.2	0.56	11.8
Zimmerman Z62W	66	126.7	96.1	0.2	4.6	47.0	73.0	17.9	1.45	18.3
Yellow check B73 × Mo17	67	141.5	89.9	1.3	4.6	47.4	70.0	19.1	1.13	14.4
<i>Yellow check Pioneer Brand 3394</i>	68	147.7	93.9	1.6	5.5	42.2	70.7	17.0	0.40	14.8
Mean		133.3	92.9	1.8	6.5	46.3	71.0	19.3	1.00	12.2
LSD 0.05		12.9	4.6	3.1	5.6	2.8	1.3	0.9	0.21	
CV%		9.7	7.1	218.4	100.1	7.4	1.1	3.6		
Location means:										
Champaign, IL		119.6	97.8	2.8	0.2	36.6	.	16.9		
Galesburg, IL		123.8	97.5	0.0	3.9	47.9	.	20.1		
Wanatah, IN		163.4	92.8	.	.	47.5	.	20.3		
Marion, IA		127.8	91.9	0.0	7.3	54.2	71.0	19.5		
Ogden, IA		151.5	88.6	1.4	5.2	.	.	18.9		
St. Joseph, MO		132.2	99.8	1.3	6.3	37.8	.	19.7		
Clay Center, NE		117.6	86.5	6.6	16.1	.	.	15.0		
Gothenburg, NE		130.8	88.5	0.4	6.1	53.6	.	24.1		

Table 31. Yield data (bu/a) from eight locations of the 1995 Early White Food Corn Performance Test.

Entry	No.	Cham- paign, IL	Gales- burg, IL	Wanatah, IN	Marion, IA	Ogden, IA	St. Joseph, MO	Clay Center, NE [†]	Gothen- burg, NE [†]	Com- bined
<i>AgriGold XA3302W</i>	1	131.5	137.5	191.0	140.1	156.4	142.0	117.6	149.5	145.7
<i>Asgrow X757920W</i>	2	144.5	131.0	163.9	134.5	137.2	134.7	125.2	151.2	140.3
<i>Beck 5905W</i>	3	97.2	131.7	180.7	132.0	152.1	146.9	107.7	125.6	134.2
<i>Bo-Jac 523W</i>	4	105.4	132.4	168.9	127.9	163.2	136.7	107.2	124.7	133.3
<i>Cargill 8097W</i>	5	130.1	135.6	179.1	132.4	156.3	150.2	103.3	129.2	139.5
<i>Cargill X7512W</i>	6	135.2	139.2	183.9	132.0	183.3	135.1	161.6	142.4	151.6
<i>Cargill X7513W</i>	7	130.1	141.7	191.2	142.9	174.6	142.9	137.7	166.4	153.4
<i>Crow's W55</i>	8	104.6	113.0	151.5	119.7	135.1	145.6	86.2	118.3	121.7
<i>Crow's EX550</i>	9	115.0	147.0	171.7	123.5	158.1	145.2	104.3	128.9	136.7
<i>Crow's EX551</i>	10	123.6	132.5	176.4	113.3	152.0	136.8	99.0	129.0	132.8
<i>DeKalb Genetics 555W</i>	11	113.9	103.3	139.4	126.2	155.3	106.8	158.9	136.4	130.0
<i>DeKalb Genetics DK703W</i>	12	103.4	122.7	149.1	118.7	133.2	125.7	134.3	130.0	127.1
<i>DeKalb Genetics 742W</i>	13	101.0	108.6	146.4	124.0	139.0	95.9	130.7	124.5	121.3
<i>DeKalb Genetics EXP566W</i>	14	122.1	124.3	153.2	117.9	156.8	98.4	136.5	137.3	130.8
<i>DeKalb Genetics EXP567W</i>	15	126.0	132.0	177.6	140.1	168.6	128.5	102.0	118.8	136.7
<i>Hoegemeyer 1125W</i>	16	109.7	130.1	151.8	132.4	146.2	128.5	129.0	129.1	132.1
<i>Hoegemeyer 1131W</i>	17	118.0	131.6	170.9	129.4	147.3	148.7	105.3	114.6	133.2
<i>Hoegemeyer 1142W</i>	18	83.2	128.1	133.4	120.3	153.3	114.1	131.9	123.8	123.5
<i>Hoegemeyer X581W</i>	19	122.6	123.8	167.9	141.4	141.1	131.4	99.0	140.8	133.5
<i>ICI Seeds 8320W</i>	20	137.3	121.0	163.5	124.2	164.3	157.2	96.3	134.8	137.3
<i>ICI Seeds N2362W</i>	21	119.5	130.4	177.7	129.1	153.5	137.3	105.1	142.2	136.8
<i>IFSI 90-1</i>	22	131.9	128.4	174.4	131.2	155.1	156.1	86.1	133.8	137.1
<i>IFSI 93-4</i>	23	101.5	142.2	153.2	114.8	139.4	143.8	100.1	138.2	129.1
<i>IFSI 94-1</i>	24	97.1	116.7	151.7	130.1	133.6	137.8	117.1	130.9	126.9
<i>IFSI 95-2</i>	25	123.9	120.7	167.6	138.8	150.1	154.1	97.9	129.7	135.4
<i>LG Seeds NB571W</i>	26	98.3	107.5	141.5	119.1	145.3	116.5	132.6	126.2	123.4
<i>LG Seeds NB710W</i>	27	132.5	109.8	176.7	129.9	155.8	127.8	131.4	149.2	139.1
<i>LG Seeds NB739W</i>	28	117.3	109.8	124.6	118.6	138.2	88.3	139.4	102.9	117.4
<i>LG Seeds NB742W</i>	29	115.8	119.5	146.8	127.9	144.1	101.6	144.9	123.4	128.0
<i>LG Seeds NB749W</i>	30	122.3	138.7	181.3	137.9	165.0	101.9	136.7	143.6	140.9

Table 31. Continued.

Entry	No.	Cham- paign, IL	Gales- burg, IL	Wanatah, IN	Marion, IA	Ogden, IA	St. Joseph, MO	Clay Center, NE [†]	Gothen- burg, NE [†]	Com- bined
<i>Lynks Seeds 2802W</i>	31	129.0	128.7	177.7	125.6	164.2	147.2	91.8	111.5	134.4
<i>Merschman M-3114W</i>	32	131.0	142.3	167.7	128.6	153.9	148.0	79.1	124.6	134.4
NC+ 6555W	33	125.0	137.8	168.6	133.9	157.9	135.8	143.1	130.8	141.6
Pioneer Brand 3203W	34	129.7	120.8	166.5	137.5	155.9	141.1	129.4	130.4	138.9
Pioneer Brand 3281W	35	104.0	121.2	155.1	123.7	151.1	116.3	122.1	127.3	127.6
Pioneer Brand 3287W	36	96.7	129.3	138.8	138.3	159.7	111.1	137.8	106.3	127.2
Pioneer Brand 3443W	37	117.8	103.7	135.2	122.6	143.0	139.5	97.4	118.8	122.2
Pioneer Brand 3463W	38	111.3	114.2	142.9	116.6	162.5	126.2	129.7	128.0	128.9
<i>Pioneer Brand X1134WG</i>	39	105.5	96.5	130.4	115.4	152.1	100.0	103.3	110.0	114.1
<i>Producers 7013W</i>	40	114.6	117.0	156.8	124.4	135.7	141.9	104.2	120.7	126.9
<i>Producers EXP 1131W</i>	41	127.4	112.6	169.9	114.2	150.3	145.8	96.4	127.3	130.5
<i>Purdue H126W/FR819W</i>	42	109.2	98.9	155.6	104.4	141.9	136.7	74.3	109.0	116.2
<i>Purdue H126W/H122W</i>	43	113.0	108.6	157.5	116.8	149.0	116.7	108.8	98.0	121.1
Sturdy Grow SG731W	44	131.9	106.9	158.6	127.0	127.7	109.9	148.1	135.1	130.6
<i>Sturdy Grow SG755W</i>	45	135.5	111.5	183.1	136.5	164.6	153.3	104.2	124.2	139.1
Sturdy Grow SG765W	46	139.0	137.0	176.1	135.8	157.0	131.5	136.0	156.9	146.2
Sturdy Grow SG777W	47	128.0	131.9	182.9	144.7	162.1	157.7	93.6	113.6	139.3
Sturdy Grow SG797W	48	109.8	150.4	172.3	136.6	149.6	143.7	138.5	144.4	143.2
Sturdy Grow SG798W	49	104.6	137.9	176.5	135.7	134.1	135.5	121.2	135.2	135.1
<i>Sturdy Grow EXP 92013</i>	50	147.9	118.8	180.0	131.3	156.0	144.7	92.3	155.4	140.8
<i>Trisler T-95W1</i>	51	135.1	137.0	168.3	138.6	148.1	155.8	123.3	151.6	144.7
<i>Triumph TRX4821</i>	52	118.4	124.5	178.4	128.5	145.3	137.6	91.0	129.9	131.7
Vineyard V414W	53	120.6	106.4	146.0	110.2	158.6	117.6	127.1	117.8	125.5
Vineyard V424W	54	123.1	131.4	166.3	120.3	152.7	121.0	138.5	128.0	135.2
Vineyard V438W	55	110.3	124.1	160.1	122.6	153.0	119.8	130.1	143.4	132.9
Vineyard V442W	56	130.0	96.8	164.8	120.0	145.1	139.3	96.8	120.3	126.6
Vineyard V448W	57	109.8	125.9	157.8	130.2	150.5	132.1	140.1	136.1	135.3
Vineyard V449W	58	119.1	126.0	157.9	133.4	148.7	133.1	136.8	131.0	135.7
<i>Vineyard V453W</i>	59	114.3	116.1	159.4	126.3	152.9	116.3	138.3	134.5	132.2
<i>Vineyard Vx4134W</i>	60	121.8	102.3	159.5	132.2	150.0	133.1	110.0	121.9	128.8

Table 31. Continued.

Entry	No.	Cham- paign, IL	Gales- burg, IL	Wanatah, IN	Marion, IA	Ogden, IA	St. Joseph, MO	Clay Center, NE [†]	Gothen- burg, NE [†]	Com- bined
Whisnand 51AW	61	121.1	126.7	166.2	114.7	163.4	151.3	92.4	135.5	133.9
Whisnand 52AW	62	125.4	113.4	166.6	131.2	140.0	139.7	103.8	135.4	131.9
Wilson 1780W	63	146.4	134.4	173.2	139.1	155.1	117.3	130.7	142.9	142.4
Wilson 1790W	64	125.8	125.2	162.0	121.4	154.4	129.1	108.5	143.2	133.7
Wilson E954002	65	102.8	139.4	143.3	137.9	149.5	128.1	129.0	130.7	132.6
Zimmerman Z62W	66	126.3	117.1	177.4	107.6	147.2	146.7	98.7	92.8	126.7
Yellow check B73 × Mo17	67	104.2	128.0	171.6	138.2	157.4	141.2	125.9	165.3	141.5
Yellow check Pioneer Brand 3394	68	153.0	126.8	173.2	138.3	146.7	133.3	161.8	148.4	147.7
Mean		119.6	123.8	163.4	127.8	151.5	132.2	117.6	130.8	133.3
LSD 0.05		26.9	22.8	16.6	15.4	21.7	17.3	23.1	23.3	12.9
CV%		13.8	11.3	6.3	7.4	8.8	8.0	12.0	10.9	9.7

[†] Irrigated location.

Table 32. European corn borer whorl-leaf feeding and stalk tunneling data from Columbia, MO, for the 1995 Early White Food Corn Performance Test. New entries for 1995 are shown in italics.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
<i>AgriGold XA3302W</i>	1	2.0	1.2	1.7
<i>Asgrow X757920W</i>	2	3.3	0.5	0.7
<i>Beck 5905W</i>	3	3.3	0.9	0.9
<i>Bo-Jac 523W</i>	4	3.0	1.5	1.5
<i>Cargill 8097W</i>	5	4.3	1.5	2.1
<i>Cargill X7512W</i>	6	3.0	0.8	0.8
<i>Cargill X7513W</i>	7	1.7	1.2	1.4
<i>Crow's W55</i>	8	3.3	0.7	0.9
<i>Crow's EX550</i>	9	3.7	0.9	1.6
<i>Crow's EX551</i>	10	3.0	1.1	1.3
<i>DeKalb Genetics 555W</i>	11	2.0	0.5	0.6
<i>DeKalb Genetics DK703W</i>	12	2.7	0.7	0.8
<i>DeKalb Genetics 742W</i>	13	2.7	0.9	0.9
<i>DeKalb Genetics EXP566W</i>	14	3.0	0.6	0.9
<i>DeKalb Genetics EXP567W</i>	15	3.7	1.3	1.5
<i>Hoegemeyer 1125W</i>	16	2.3	1.6	2.6
<i>Hoegemeyer 1131W</i>	17	2.3	1.2	1.9
<i>Hoegemeyer 1142W</i>	18	2.0	0.8	0.9
<i>Hoegemeyer X581W</i>	19	4.0	1.4	1.9
<i>ICI Seeds 8320W</i>	20	3.3	1.1	1.2
<i>ICI Seeds N2362W</i>	21	3.3	1.5	2.1
<i>IFSI 90-1</i>	22	3.7	0.7	0.9
<i>IFSI 93-4</i>	23	2.7	1.7	1.9
<i>IFSI 94-1</i>	24	3.3	0.3	0.3
<i>IFSI 95-2</i>	25	2.7	1.4	2.0
<i>LG Seeds NB571W</i>	26	2.0	0.8	0.9
<i>LG Seeds NB710W</i>	27	4.3	1.0	1.2
<i>LG Seeds NB739W</i>	28	3.0	0.4	0.7
<i>LG Seeds NB742W</i>	29	3.3	1.2	1.7
<i>LG Seeds NB749W</i>	30	3.3	0.7	0.8
<i>Lynks Seeds 2802W</i>	31	3.3	1.0	1.1
<i>Merschman M-3114W</i>	32	4.0	1.0	1.4
<i>NC+ 6555W</i>	33	3.7	1.4	1.7
<i>Pioneer Brand 3203W</i>	34	2.7	1.2	1.3
<i>Pioneer Brand 3281W</i>	35	2.0	0.5	0.6
<i>Pioneer Brand 3287W</i>	36	1.7	0.4	0.7
<i>Pioneer Brand 3443W</i>	37	1.7	1.1	1.4
<i>Pioneer Brand 3463W</i>	38	2.7	1.1	1.1
<i>Pioneer Brand X1134WG</i>	39	2.3	0.6	1.5
<i>Producers 7013W</i>	40	2.7	0.9	1.8
<i>Producers EXP 1131W</i>	41	3.3	0.7	0.9
<i>Purdue H126W/FR819W</i>	42	2.3	0.7	0.9
<i>Purdue H126W/H122W</i>	43	2.0	0.9	1.2
<i>Sturdy Grow SG731W</i>	44	3.0	1.3	1.8
<i>Sturdy Grow SG755W</i>	45	2.3	0.9	0.9

Table 32. Continued.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
Sturdy Grow SG765W	46	3.3	1.5	1.7
Sturdy Grow SG777W	47	3.3	1.1	1.3
Sturdy Grow SG797W	48	3.0	1.6	1.9
Sturdy Grow SG798W	49	2.7	0.9	1.1
<i>Sturdy Grow EXP 92013</i>	50	3.7	1.2	2.1
<i>Trisler T-95W1</i>	51	3.0	0.9	1.1
<i>Triumph TRX4821</i>	52	4.0	1.7	2.4
Vineyard V414W	53	2.3	1.3	1.7
Vineyard V424W	54	4.0	1.5	1.5
Vineyard V438W	55	4.0	1.8	2.2
Vineyard V442W	56	4.0	0.9	1.1
Vineyard V448W	57	3.3	0.7	0.7
Vineyard V449W	58	1.7	0.7	0.9
<i>Vineyard V453W</i>	59	4.7	1.1	1.5
<i>Vineyard Vx4134W</i>	60	3.0	1.1	1.4
Whisnand 51AW	61	2.7	0.8	1.1
<i>Whisnand 52AW</i>	62	2.3	1.3	1.8
Wilson 1780W	63	3.7	1.2	1.4
Wilson 1790W	64	3.7	1.3	1.4
<i>Wilson E954002</i>	65	4.3	0.7	0.8
Zimmerman Z62W	66	2.0	1.0	1.3
Yellow check B73×Mo17	67	4.0	1.2	1.6
<i>Yellow check Pioneer Brand 3394</i>	68	3.3	1.4	2.2
Susceptible check (Ki3)		6.5 [†]	1.7	2.1
Susceptible check (Wf9×W182E)		5.0	2.3	2.5
Resistant check (Pioneer Brand 3184)		3.7	0.6	0.6
Mean		3.0	1.0	1.3
LSD 0.05		ns	0.8	1.2
CV%			50.0	52.9

[†] Data from two replications.

Table 33. Yield and agronomic data from common entries in the 1994-1995 Early White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Bo-Jac 523W	2	160.7	95.2	7.2	7.7	50.5	77.5	21.0
Cargill 8097W	2	168.4	95.1	4.3	5.0	50.9	77.2	21.0
DeKalb Genetics 555W	2	145.0	92.5	7.8	7.6	39.7	74.4	18.1
DeKalb Genetics 742W	2	146.6	92.7	3.3	9.4	37.9	74.2	21.2
Hoegemeyer 1125W	2	156.9	95.0	6.2	8.4	50.8	78.0	22.6
Hoegemeyer 1131W	2	157.0	93.7	6.1	6.4	50.8	77.4	21.5
Hoegemeyer 1142W	2	147.4	93.6	4.3	4.8	45.4	78.0	26.4
ICI Seeds 8320W	2	159.0	95.0	7.7	6.3	50.2	78.0	21.0
IFSI 90-1	2	166.2	94.7	6.9	6.7	51.6	77.9	20.8
IFSI 93-4	2	157.6	90.0	4.5	7.6	46.4	77.5	21.1
IFSI 94-1	2	150.7	92.3	5.3	7.0	47.4	77.3	20.0
LG Seeds NB571W	2	143.9	92.8	5.7	10.5	41.2	74.7	18.0
LG Seeds NB710W	2	158.8	92.6	9.3	12.7	47.1	74.4	19.3
LG Seeds NB739W	2	144.9	90.5	5.5	7.7	38.7	74.7	21.4
LG Seeds NB742W	2	150.6	93.2	4.8	9.8	38.3	74.9	21.6
NC+ 6555W	2	166.3	93.2	5.1	6.7	51.4	77.9	22.3
Pioneer Brand 3203W	2	166.0	95.3	5.8	8.3	47.8	78.0	21.9
Pioneer Brand 3281W	2	151.6	95.9	6.2	9.3	46.6	77.0	20.3
Pioneer Brand 3287W	2	147.0	94.2	8.1	7.6	43.9	75.4	20.5
Pioneer Brand 3443W	2	149.0	96.1	6.7	8.1	48.6	74.0	18.0
Pioneer Brand 3463W	2	148.1	95.1	5.4	5.4	45.3	73.5	18.0
Sturdy Grow SG731W	2	155.1	95.9	4.9	11.0	40.8	74.9	20.4
Sturdy Grow SG765W	2	167.1	95.4	4.4	9.1	48.3	76.4	20.2
Sturdy Grow SG777W	2	156.9	90.3	7.5	7.3	51.0	77.8	21.5
Sturdy Grow SG797W	2	168.5	93.7	7.4	6.7	50.2	77.4	22.3
Sturdy Grow SG798W	2	157.3	94.6	8.0	7.1	51.2	77.7	22.3
Vineyard V414W	2	145.6	95.3	8.4	6.9	45.1	76.2	19.2
Vineyard V424W	2	160.3	93.9	7.8	4.6	48.6	76.5	21.7
Vineyard V438W	2	151.9	93.7	3.0	5.0	44.4	77.7	21.0
Vineyard V442W	2	152.2	93.4	11.0	8.7	45.5	75.8	22.8
Vineyard V448W	2	161.0	93.8	6.1	5.7	47.1	76.9	22.3
Vineyard V449W	2	157.3	90.3	7.8	7.2	45.6	77.0	22.3
Whisnand 51AW	2	158.7	93.1	6.4	5.4	51.7	77.5	20.9
Wilson 1780W	2	163.6	93.7	6.2	8.1	45.9	77.2	23.1
Wilson 1790W	2	159.1	93.2	5.6	5.1	45.7	77.4	22.6
Zimmerman Z62W	2	151.5	94.8	4.8	5.4	49.1	78.9	20.8
Yellow check B73×Mo17	2	160.9	91.8	3.3	6.5	48.5	76.5	20.7
Mean	.	155.9	93.6	6.2	7.4	46.7	76.6	21.1

Table 34. Yield and agronomic data from common entries in the 1993-1995 Early White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Bo-Jac 523W	3	149.9	94.9	5.3	6.3	51.9	79.9	21.1
Cargill 8097W	3	156.4	95.1	3.2	4.1	52.0	79.7	21.2
DeKalb Genetics 555W	3	139.1	92.7	6.1	5.6	41.7	75.9	18.7
DeKalb Genetics 742W	3	139.9	92.8	2.3	8.3	39.0	75.8	21.8
Hoegemeyer 1125W	3	149.2	95.0	4.9	6.8	51.8	80.1	22.9
Hoegemeyer 1131W	3	143.2	93.2	4.4	5.7	52.3	79.8	21.8
Hoegemeyer 1142W	3	143.2	94.6	4.1	5.2	47.5	80.4	26.8
ICI Seeds 8320W	3	148.6	94.8	5.4	5.7	51.7	80.6	21.4
IFSI 90-1	3	153.7	94.8	5.0	5.5	51.7	80.0	21.2
IFSI 93-4	3	144.0	91.7	4.1	7.3	48.6	78.8	20.8
LG Seeds NB710W	3	151.0	92.1	7.9	10.6	48.3	76.0	19.8
LG Seeds NB739W	3	137.0	91.4	4.4	6.2	40.0	76.0	21.9
LG Seeds NB742W	3	141.7	93.0	3.5	8.4	40.6	76.2	22.2
NC+ 6555W	3	154.9	93.5	4.0	5.8	52.7	80.5	22.6
Pioneer Brand 3281W	3	143.4	95.5	4.9	7.1	47.6	79.4	21.1
Pioneer Brand 3287W	3	140.6	92.6	8.2	6.1	45.6	76.5	21.1
Pioneer Brand 3463W	3	138.9	94.8	4.0	4.2	46.2	74.7	18.4
Sturdy Grow SG731W	3	147.1	95.7	3.3	8.4	41.9	76.7	21.2
Sturdy Grow SG777W	3	147.1	91.2	5.3	6.5	51.5	79.9	21.6
Sturdy Grow SG797W	3	155.0	94.3	5.7	6.2	50.9	80.0	22.7
Sturdy Grow SG798W	3	149.2	94.4	5.8	7.0	52.0	80.1	22.8
Vineyard V424W	3	151.1	94.6	6.0	4.5	50.4	79.4	22.3
Vineyard V438W	3	141.2	94.1	3.3	4.4	46.4	79.4	21.7
Vineyard V449W	3	145.5	92.1	6.3	6.1	45.7	79.6	22.9
Whisnand 51AW	3	147.5	93.0	5.3	5.0	53.1	80.1	21.2
Wilson 1780W	3	155.4	94.4	5.5	6.1	47.8	79.5	23.7
Wilson 1790W	3	154.0	94.9	4.2	4.8	47.0	79.6	23.1
Yellow check B73×Mo17	3	147.9	92.9	2.5	5.8	49.4	79.3	21.2
Mean	.	147.0	93.7	4.8	6.2	48.0	78.7	21.8

Table 35. Yield and agronomic data from common entries in the 1992-1995 Early White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Cargill 8097W	4	161.2	95.0	2.6	3.9	51.4	81.9	22.7
DeKalb Genetics 555W	4	143.5	93.5	4.9	4.5	40.5	77.6	20.1
DeKalb Genetics 742W	4	144.4	93.5	1.8	7.7	38.4	77.6	23.6
Hoegemeyer 1125W	4	156.3	95.1	3.8	6.5	51.2	82.4	24.5
Hoegemeyer 1131W	4	152.7	93.9	3.4	5.2	52.4	81.9	23.3
Hoegemeyer 1142W	4	146.2	95.1	3.1	5.3	47.3	83.0	28.3
ICI Seeds 8320W	4	157.7	95.4	4.2	5.1	51.4	82.7	23.1
IFSI 90-1	4	159.9	95.0	3.8	4.9	51.8	82.2	22.7
LG Seeds NB710W	4	158.6	92.8	6.2	9.5	46.8	77.8	21.5
LG Seeds NB742W	4	145.8	93.6	2.8	7.8	39.5	77.9	24.0
NC+ 6555W	4	161.8	94.3	3.2	5.7	51.8	82.8	24.4
Pioneer Brand 3281W	4	148.0	95.7	3.9	5.7	47.0	81.7	22.9
Pioneer Brand 3287W	4	146.5	93.8	6.5	4.9	45.0	77.9	22.7
Pioneer Brand 3463W	4	140.9	94.3	3.2	3.2	45.0	76.3	20.0
Sturdy Grow SG777W	4	153.7	92.4	4.1	6.0	51.2	82.1	23.3
Sturdy Grow SG797W	4	162.0	94.8	4.3	6.1	50.4	82.5	24.5
Sturdy Grow SG798W	4	156.6	94.7	4.5	6.6	51.6	82.2	24.5
Vineyard V424W	4	155.4	94.7	4.6	3.8	49.2	81.3	24.2
Vineyard V449W	4	152.0	93.3	4.7	5.9	45.5	81.8	24.7
Whisnand 51AW	4	155.9	94.0	4.1	4.4	52.4	82.3	22.8
Yellow check B73×Mo17	4	156.2	94.0	2.1	5.2	49.0	81.7	22.9
Mean	.	153.1	94.2	3.9	5.6	48.0	80.8	23.4

Table 36. Yield and agronomic data from common entries in the 1991-1995 Early White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Cargill 8097W	5	159.6	95.6	2.2	4.4	51.0	79.1	22.5
DeKalb Genetics 742W	5	144.8	94.4	1.7	7.9	37.8	75.3	23.1
Hoegemeyer 1142W	5	143.8	95.2	2.7	4.9	46.4	80.5	27.5
IFSI 90-1	5	158.0	96.0	3.2	5.4	51.2	79.5	22.4
LG Seeds NB710W	5	156.8	92.9	5.5	9.4	45.9	75.2	21.1
LG Seeds NB742W	5	145.9	94.6	2.4	7.9	38.7	75.5	23.4
NC+ 6555W	5	159.4	95.0	2.9	5.7	50.8	80.2	24.0
Pioneer Brand 3281W	5	145.9	96.1	3.1	5.4	46.4	79.5	22.5
Pioneer Brand 3463W	5	140.1	94.9	2.8	3.6	44.2	74.1	19.7
Sturdy Grow SG798W	5	155.1	95.7	3.7	6.7	50.5	80.0	24.2
Vineyard V424W	5	153.4	95.7	4.1	4.0	48.6	78.7	23.7
Vineyard V449W	5	152.1	94.6	4.8	5.7	45.3	79.1	24.2
Whisnand 51AW	5	154.0	95.0	3.4	4.7	51.3	79.5	22.7
Yellow check B73 × Mo17	5	152.4	94.7	1.9	5.6	48.0	79.1	22.4
Mean		151.5	95.0	3.2	5.8	46.9	78.2	23.1

Table 37. Combined grain quality data from the 1996 Early White Food Corn Performance Test grown at Champaign, IL; Wanatah, IN; Marion, IA; and Knoxville, TN.

Entry	No.	Test weight (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Thins [†] (%)	Kernel density (g/cc)	Horny endosp. (%)	Pericarp removal [‡] (1-5)
<i>AgriGold XA3302W</i>	1	61.9	28.8	0.22	47.6	1.31	78	3.2
<i>Asgrow X757920W</i>	2	60.2	27.7	0.21	36.3	1.31	80	3.0
<i>Beck 5905W</i>	3	62.0	30.5	0.23	35.3	1.32	84	2.7
<i>Bo-Jac 523W</i>	4	60.3	31.2	0.24	35.3	1.32	79	2.5
<i>Cargill 8097W</i>	5	62.6	30.4	0.23	33.0	1.33	84	2.8
<i>Cargill X7512W</i>	6	58.7	30.2	0.24	59.2	1.28	78	3.0
<i>Cargill X7513W</i>	7	59.1	31.3	0.24	54.4	1.28	78	2.7
<i>Crow's W55</i>	8	58.7	30.9	0.24	26.0	1.30	80	2.7
<i>Crow's EX550</i>	9	61.5	31.1	0.23	29.4	1.32	84	2.5
<i>Crow's EX551</i>	10	60.5	28.3	0.22	50.7	1.29	80	2.8
<i>DeKalb Genetics 555W</i>	11	60.0	30.1	0.24	18.2	1.28	80	3.2
<i>DeKalb Genetics DK703W</i>	12	62.1	33.5	0.25	22.8	1.32	86	2.2
<i>DeKalb Genetics 742W</i>	13	59.4	31.1	0.24	22.3	1.30	80	2.8
<i>DeKalb Genetics EXP566W</i>	14	61.3	29.9	0.22	18.1	1.34	89	1.8
<i>DeKalb Genetics EXP567W</i>	15	59.7	29.1	0.23	52.1	1.29	80	2.8
<i>Hoegemeyer 1125W</i>	16	62.0	29.0	0.22	53.5	1.31	80	3.2
<i>Hoegemeyer 1131W</i>	17	59.0	32.2	0.25	26.2	1.29	80	3.3
<i>Hoegemeyer 1142W</i>	18	63.0	32.5	0.25	28.4	1.32	89	3.8
<i>Hoegemeyer X581W</i>	19	60.4	29.6	0.23	44.6	1.29	78	3.0
<i>ICI Seeds 8320W</i>	20	61.7	31.2	0.24	36.7	1.32	83	2.3
<i>ICI Seeds N2362W</i>	21	56.1	29.3	0.23	27.8	1.28	75	2.2
<i>IFSI 90-1</i>	22	58.2 [§]	31.0	0.23	31.2	1.32	84	2.5
<i>IFSI 93-4</i>	23	57.4	28.6	0.22	43.6	1.29	78	3.2
<i>IFSI 94-1</i>	24	58.5	30.6	0.24	30.0	1.27	74	2.5
<i>IFSI 95-2</i>	25	60.0	29.3	0.22	37.5	1.31	80	2.3 [§]
<i>LG Seeds NB571W</i>	26	56.5	32.2	0.25	9.5	1.28	78	2.8
<i>LG Seeds NB710W</i>	27	52.3	29.2	0.23	25.5	1.26	71	2.5
<i>LG Seeds NB739W</i>	28	59.1	27.7	0.21	28.7	1.30	80	3.5
<i>LG Seeds NB742W</i>	29	60.0	30.8	0.24	22.6	1.30	79	3.2
<i>LG Seeds NB749W</i>	30	61.0	29.3	0.22	47.3	1.31	79	3.0
<i>Lynks Seeds 2802W</i>	31	63.6	31.7	0.24	28.6	1.33	83	2.7
<i>Merschman M-3114W</i>	32	61.1	30.1	0.23	36.8	1.33	84	2.8
<i>NC+ 6555W</i>	33	60.1	29.7	0.23	46.8	1.32	78	2.7
<i>Pioneer Brand 3203W</i>	34	58.2	30.8	0.24	24.3	1.28	83	3.5
<i>Pioneer Brand 3281W</i>	35	61.3	31.6	0.24	18.7	1.33	88	2.8
<i>Pioneer Brand 3287W</i>	36	60.6	30.0	0.23	40.0	1.33	88	3.3
<i>Pioneer Brand 3443W</i>	37	60.1	28.6	0.22	22.4	1.31	85	2.5
<i>Pioneer Brand 3463W</i>	38	59.8	27.0	0.21	41.3	1.30	83	3.2
<i>Pioneer Brand X1134WG</i>	39	61.4	29.4	0.23	24.1	1.30	85	2.2
<i>Producers 7013W</i>	40	61.2	32.0	0.24	29.5	1.31	80	2.7
<i>Producers EXP 1131W</i>	41	60.6	29.9	0.23	42.0	1.29	80	2.5
<i>Purdue H126W/FR819W[§]</i>	42	59.9	31.3	0.24	19.7	1.28	75	2.3
<i>Purdue H126W/H122W</i>	43	59.4	32.1	0.25	18.9	1.28	80	2.8
<i>Sturdy Grow SG731W</i>	44	60.0	26.7	0.21	50.2	1.30	73	2.5
<i>Sturdy Grow SG755W</i>	45	61.0	29.8	0.23	47.2	1.29	80	2.8

Table 37. Continued.

Entry	No.	Test weight (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Thins [†] (%)	Kernel density (g/cc)	Horny endosp. (%)	Pericarp removal [‡] (1-5)
Sturdy Grow SG765W	46	61.0	26.4	0.20	53.5	1.30	75	2.8
Sturdy Grow SG777W	47	62.6	30.6	0.23	37.6	1.33	83	2.7
Sturdy Grow SG797W	48	61.2	29.4	0.22	43.6	1.31	78	2.7
Sturdy Grow SG798W	49	61.7	29.4	0.22	49.7	1.31	78	3.0
<i>Sturdy Grow EXP 92013</i>	50	60.8	27.6	0.21	42.8	1.31	81	2.8 [§]
<i>Trisler T-95W1</i>	51	62.4	30.0	0.23	38.0	1.31	80	2.5
<i>Triumph TRX4821</i>	52	61.0	30.2	0.23	48.3	1.30	81	2.7
Vineyard V414W	53	62.5	31.5	0.24	16.5	1.34	93	2.0
Vineyard V424W	54	61.5	29.8	0.23	40.2	1.32	80	2.7
Vineyard V438W	55	62.2	29.4	0.22	37.3	1.33	85	1.7
Vineyard V442W	56	60.9	28.2	0.21	24.0	1.33	88	3.2
Vineyard V448W	57	62.2	28.9	0.22	39.4	1.34	88	2.8
Vineyard V449W	58	63.2	29.0	0.22	40.9	1.34	88	2.5
<i>Vineyard V453W</i>	59	61.2	30.6	0.23	37.7	1.31	81	2.5
<i>Vineyard Vx4134W</i>	60	61.9	30.1	0.23	22.8	1.34	91	2.3
Whisnand 51AW	61	62.7	31.9	0.24	33.3	1.34	83	2.7
<i>Whisnand 52AW</i>	62	60.6	30.5	0.23	44.6	1.30	80	2.8
Wilson 1780W	63	60.3	28.1	0.22	30.3	1.30	76	3.0
Wilson 1790W	64	60.8	28.7	0.22	25.3	1.31	78	2.7
<i>Wilson E954002</i>	65	61.1	26.6	0.20	46.6	1.32	83	3.0
Zimmerman Z62W	66	60.2	31.0	0.24	13.4	1.32	83	2.2
Yellow check B73×Mo17	67	55.9	28.1	0.23	37.8	1.25	73	2.7
<i>Yellow check Pioneer Brand 3394</i>	68	60.0	31.7	0.24	33.6	1.30	80	4.3
Mean		60.4	29.9	0.23	34.8	1.31	81	2.8
LSD 0.05		3.2	2.6	0.02	14.2	0.02	5	0.9
CV%		3.7	6.3	6.0	28.9	1.0	4.2	20.3

[†] Percent of a 250-kernel sample passing through a 20/64" round-hole sieve.

[‡] Rated on a scale in which 1 represents complete removal and 5 represents no removal.

[§] Data missing from one location.

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