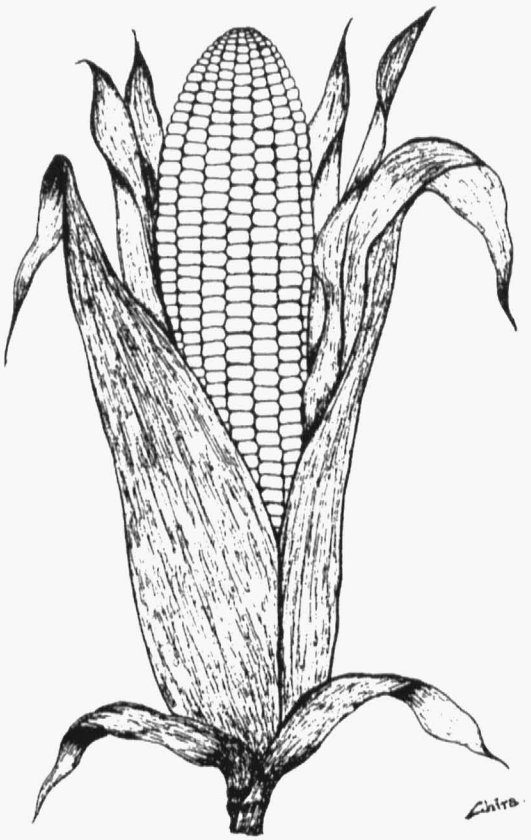
WHITE FOOD CORN

1992 Performance Test



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INTRODUCTION

The 1992 White Food Corn Performance Test (WFCPT) included 107 white hybrids, one white and three yellow hybrid checks submitted by 25 commercial seed producers (Table 1). Twelve locations were planted in the agronomic evaluation. Data were received from locations in Illinois, Indiana, Kansas, Kentucky, Missouri, Tennessee, and Texas. First and second generation European corn borer (*Ostrinia nubilalis* Hübner) data were observed at Columbia and Novelty, MO. The planting for virus tolerance data at Knoxville, TN, was not used because of very low virus incidence. Grain samples were evaluated for quality aspects by L. W. Rooney at Texas A & M University and under contract by the Illinois Crop Improvement Association, Inc.

The 1992 Early White Food Corn Performance Test (EWFCPT) included 60 white hybrids and one yellow hybrid check. Entries were submitted by 18 commercial seed producers (Table 1). Seven locations were planted in Illinois, Indiana, Iowa, Nebraska, Tennessee, and Texas. The Test planted at Clay Center, NE, was abandoned because of animal damage.

Single replication plantings were made in conjunction with the three-replication WFCPT at Lexington, KY, to determine tolerance of the white hybrids to nicosulfuron (Accent) and primisulfuron (Beacon). Comparisons were made for yield, ear height, and days to flowering.

ENTRIES AND SEED SOURCES

Contributors of seed for the 1992 evaluations are listed in Table 1. Those entries that have an EXP as part of the hybrid name, such as Cargill EXP 59300[1], 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. Akin A6795W, A6796W, and XA274W have been renamed AgriGold A6795W, A6796W, and XA274W, respectively. AgriGold R4004-W has been redesignated AgriGold XA4004W. Asgrow XP8091W (earlier X8091W) has been coded as Asgrow RX795W and Asgrow X9531W first entered in 1992 was coded as RX943W. Asgrow X9431W has been renamed as Asgrow XP9431W. Cargill 78010 was redesignated Cargill EXP 78010 to show that it was experimental and subsequently released as Cargill 9100W. Funk's G Brand EXP 6152W has been released as Funk's G Brand 4592W and Funk's G Brand EXP6153W has been released as Funk's G Brand 4652W. GroAgri EXP 4626 was released as GroAgri 4626 and GroAgri EXP 4627 was released as GroAgri 4627. Garst EXP N4101 was released as Garst 8101W and renamed to ICI Seeds 8101W. ICI N8315 was released as ICI Seeds 8320W and ICI N9122 was released as ICI Seeds 8122W. All Garst and ICI hybrids have been renamed to ICI Seeds hybrids. NobleBear NB539W was changed to NobleBear NBX539W, renamed to NobleBear NBX739W, and then released as NobleBear NB739W. NC+ X7161W has been released as NC+ 7161W and

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

NC+ X6555W has been released as NC+ 6555W. ORO EXP 1013 has been released as ORO 206W. Pioneer Brand XC57W was released as Pioneer Brand 3463W. Sturdy Grow 91BE145 has been redesignated Sturdy Grow EXP 145W. Taylor Evans T-E EXP 9007W was redesignated as Taylor Evans T-E X9007W and subsequently released as Taylor Evans T-E 9007W. Triumph TRX8860 was released as Triumph 1910W. Vineyard Vx4490W was released as Vineyard V449W. Wilson Hybrids, Inc. has changed its name to Wilson Seeds, Inc. Wilson EXP 4364 has been renamed Wilson E4364. Zimmerman EXP 601W was released as Zimmerman Z61W and Zimmerman EXP 603W was released as Zimmerman Z63W.

Seed of the white hybrid check (K55×CI66)FR802W came from Mr. R. Lundquist, Illinois Foundation Seeds, Inc., Champaign, IL. B73×Mo17 was contributed by Dr. T. R. Colbert, CIBA-GEIGY Seed Division, Union City, TN. The yellow hybrid checks Pioneer Brand 3245 and 3320 were contributed by Dr. C. T. Cunnyngham, 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 Rossville, KS, and College Station and Halfway, TX, were irrigated. Partial irrigation may have been used elsewhere.

DATA COLLECTED

Yield

Yields were measured on a plot basis, converted to bushels per acre (bu/a), and adjusted to 15.5% moisture. Yields were adjusted to the mean stand for a location if the efficiency of adjustment exceeded 104% (ratio of unadjusted error sum of squares to adjusted error sum of squares).

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_I) and standard deviation of fit

These statistics are shown in Table 15 for the entry means combined over all locations for the 1992 WFCPT. No environmental yield response was calculated for the EWFCPT because of the limited number of northern locations (4). The yield response (b_I) is expressed as bu/a/unit increase in the environmental index, 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 alchol displacement and expressed in cc (Illinois Crop Improvement Association).

Density

Density was determined using alcohol displacement and expressed in g/cc (Illinois Crop Improvement Association).

Percentage horneous endosperm

The percentage horneous 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 evbentually removed by extensive lime cooking, but the dry matter losses are much higher.

The pericarp removal test was conducted by cooking 25 g of corn in nylon bags in a steam kettle containing 1% lime. One-hundred samples of corn 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 pink 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

The 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. Occasionally, data were 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 and are generally associated with nonsignificant differences among hybrids.

Agronomic data combined from 12 locations of the 1992 WFCPT with an appropriate LSD 0.05 for each character are shown in Table 15. Table 29 gives combined results for the 1992 EWFCPT. The combined LSD 0.05 and CV% are based on the entries × 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_I) 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_I 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_I represents probable performance. Low deviation indicates that a hybrid has greater stability.

Overall, a desirable hybrid would have a high mean yield, b_I 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_I greater than 1.0 would be more responsive than one with $b_I = 1.0$, 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_I less than 1.0 would be less influenced by environment than one with $b_I = 1.0$, and would be likely to yield more if mean yield levels were equivalent.

NARRATIVE SUMMARY

1992 White Food Corn Performance Test

Yields from individual locations ranged from 113.0 bu/a at College Station, TX, to 208.6 bu/a at Knoxville, TN. The overall average for 12 locations was 173.5 bu/a compared to 135.9 bu/a obtained in 1991. This year's average is 20.7 bu/a greater than the previous high of 152.8 bu/a obtained in 1989.

Plot stands averaged 95.0%, ranging from 79.5% at College Station, TX, to 100.0% at Lexington, KY. Covariance adjustment of yield for stand was done for data from Champaign, IL; Rossville, KS; Columbia, MO; Novelty, MO; Knoxville, TN; Union City, TN; and College Station, TX.

Root lodging was extremely low with the highest amount occurring at West Lafayette, IN, (8.4%). Stalk lodging averaged only 3.1% with West Lafayette, IN, (12.2%) being the only location having more than 10%.

The number of days to flowering was recorded at six locations. An 8-day spread was observed, ranging from 71.5 days at Lexington, KY, to 79.8 days at Knoxville, TN. 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 14 with the combined data in Table 15. Yield data from all 12 locations are given in Table 16.

Combined agronomic data from 12 locations (Table 15)

Three white hybrids and one yellow check yielded significantly more than the mean for all entries (173.5 bu/a): NC+ X7663W (191.5 bu/a), Pioneer Brand 3245 (yellow check, 188.3 bu/a), Zimmerman Z63W (185.4 bu/a), and Asgrow RX943W (185.2 bu/a). Twenty other high-yielding white hybrids could not be statistically distinguished from the highest yielding entry: ICI Seeds 8320W (185.0 bu/a), Vineyard V68W (184.9 bu/a), Cargill 9402W (184.0 bu/a), Northrup King N8110W (183.8 bu/a),

Vineyard V58W (183.6 bu/a), Funk's G Brand 4652W (183.1 bu/a), DeKalb Plant Genetics EX1130338 (182.5 bu/a), AgriPro AP543W (182.5 bu/a), Northrup King N8565W (182.3 bu/a), ICI Seeds N9163W (181.8 bu/a), Vineyard Vx4781W (181.2 bu/a), Asgrow XP8091W (181.1 bu/a), AgriGold XA4004W (181.1 bu/a), Funk's G Brand 4644W (180.9 bu/a), Whisnand 73AW (180.3 bu/a), Funk's G Brand 4660W (180.2 bu/a), Sturdy Grow SG798W (180.1 bu/a), Sturdy Grow EXP 169W (180.0 bu/a), ICI Seeds 8122W (180.0 bu/a), and Whisnand 51AW (180.0 bu/a). Thirteen entries yielded significantly less than the mean of all entries: NobleBear NB742W (161.5 bu/a), Sturdy Grow EXP 28W (161.3 bu/a), Seed Source USN 471 (160.6 bu/a), Pioneer Brand 3287W (160.4 bu/a), Sturdy Grow SG909W (160.4 bu/a), ORO 200W (160.2 bu/a), Jacques EXP 215W (159.7 bu/a), Wilson E14289 (158.4 bu/a), Sturdy Grow EXP 84W (158.2 bu/a), IFSI 92-1 (157.9 bu/a), Wilson E14292 (152.5 bu/a), Wilson E14290 (151.1 bu/a), and Wilson E14293 (129.4 bu/a). The entries × locations interaction was significant, indicating different entry responses in different environments.

Stands were excellent, exceeding 92% for all entries. Only stands for Wilson E14292 (92.0%) and Wilson E14293 (92.0%) were lower than the average of all entries.

Root lodging was low, averaging 1.4%. No hybrid was significantly better than the mean because the mean minus the LSD was less than 0.0. Two hybrids were significantly worse than the mean for all entries: Vineyard Vx4721W (9.0%) and the yellow check hybrid B73 × Mo17 (4.6%).

Stalk lodging averaged 3.1% for all entries with only a yellow check hybrid having significantly less than that average: Pioneer Brand 3245 (0.8%). Hybrids which were significantly worse than the mean for all entries included: Wilson E14292 (11.8%), Seed Source USN 471 (9.8%), Cargill 9402W (7.5%), the white check (K55 × CI66)FR802W (6.7%), AgriGold A6795W (6.7%), Wilson E14293 (6.1%), Zimmerman Z14W (5.7%), Whisnand 73AW (5.7%), and Cargill 9400W (5.4%).

Twenty-three white hybrids had ear heights significantly below the mean for all entries (43.0 in). Among those entries with ear heights less than 37 inches were NobleBear NB742W, NobleBear NB739W, NobleBear NBX1320W, NobleBear NB747W, the yellow check Pioneer Brand 3245, IFSI 90-2, Jacques EXP 215W, and Sturdy Grow EXP 84W. Thirty-six hybrids' ear heights were more than one LSD above the mean for all entries.

Eighteen white hybrids and the yellow hybrid check B73 × Mo17 had significantly lower number of days to flower (earlier) than the 75.6-day mean for all entries. Among those that were more than two LSDs earlier than the mean of all entries were Pioneer Brand 3287W (72.3 days), NobleBear NB739W (72.9 days), NobleBear NB710W (73.3 days), and NobleBear NBX1320W (73.4 days). Relatively later flowering hybrids included Zimmerman Z17W (77.9 days), Zimmerman Z14W (78.1 days), Zimmerman Z54W (78.2 days), the white check hybrid (K55 × CI66)FR802W (78.3 days), Asgrow X9651W (78.7 days), Asgrow RX959W (80.2 days), and Seed Source USP 575 (80.6 days). Because the WFCPT is grown primarily in the southern Corn Belt, some earlier maturity hybrids may be somewhat 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 17.7% for NobleBear NB710W to 23.5% for Asgrow RX959W with an overall average of 20.8%.

Twenty-three white hybrids and the three yellow hybrid checks had grain moistures that were significantly less than the mean for all entries. Six white hybrids (Pioneer Brand 3287W, NobleBear NB710W, NobleBear NBX1320W, ICI Seeds N9300W, NobleBear NB747W, and Triumph TRX1829) and the yellow hybrid check 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 15. (A difference of ±0.09 from 1.00 is necessary for significance. The LSD should be used when comparing coefficients of two hybrids.) Eighteen white hybrids, the white check hybrid (K55×CI66)FR802W, and the yellow check hybrid Pioneer Brand 3245 had b_Is that were significantly greater than 1.00, indicating greater than average response to better environmental conditions, but poor performance in adverse environments. Twenty-four white hybrids and the yellow hybrid check B73×Mo17 had environmental responses that werre significantly less than 1.00. Usually, low response is associated with low mean yields. No entry had a significantly higher yield than the average entry and a b_I that was significantly lower than 1.0. Response of such a hybrid would be desirable where adverse conditions were frequently encountered. NC+ X7663W (191.5 bu/a, b_I=1.26), Pioneer Brand 3245 (yellow check, 188.3 bu/a, b_I=1.16), and Zimmerman Z63W (185.4 bu/a, b_I=1.18) had above-average yields and environmental responses significantly higher than the mean for all entries and would be a good selections for growing in better environments.

The standard deviations of fit varied for similar environmental response coefficients. For example, Cargill 9400W (178.4 bu/a, b_I = 0.94) and Wilson E14292 (152.52 bu/a, b_I = 0.94) had standard deviations of 5.7 and 24.2 bu/a, respectively. Cargill 9400W would be expected to be a more predictable performer in response to varied environments than Wilson E14292.

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 1992 WFCPT (Table 17)

First generation leaf-feeding ratings were obtained at Columbia and Novelty, MO. Significant differences were found among entries. Cargill 9100W, Funk's G Brand 4592W, NC+ 7161W, Pioneer Brand 3281W, Sturdy Grow EXP 84W, Zimmerman Z61W, and Zimmerman Z17W were all significantly better than the mean of all entries (2.6). Triumph TRX1829 (3.5), Wilson E14292 (3.5), NobleBear NB742W (3.5), NobleBear NB739W (3.5), DeKalb Plant Genetics EX1130338 (3.5), ICI Seeds N9300W (3.7), NobleBear NB710W (3.8), NobleBear NB747W (4.2), the susceptible check WF9×W182E (4.7), Wilson E14293 (5.0), and the susceptible check Ki3 (6.7) were more susceptible to leaf feeding damage than the average entry.

Second generation stalk-feeding data were also obtained at Columbia and Novelty, MO. For the number of tunnels, only Hoegemeyer 1142W (0.2 tunnels) was significantly better than the mean (0.7 tunnels). DeKalb Plant Genetics EX1130338, ICI Seeds N9300W, Taylor-Evans T-E 1166W, Triumph

TRX1829, and the susceptible check WF9 × W182E had 1.2 tunnels and were significantly worse than the average entry. Tunnel length differences among entries were also significant. No entry was significantly better than the mean of all entries, however, Hoegemeyer 1142W (0.2 in), the resistant check (Pioneer Brand 3184) (0.3 in), NobleBear NBX1320W (0.4 in), and AgriGold A6795W (0.4 in) had significantly less stalk tunnelling than the mean (1.3 in) of the two susceptible check entries Ki3 and WF9 × W182E. ICI Seeds N9300W (1.8 in), DeKalb Plant Genetics EX1130338 (1.9 in), and the white check hybrid (K55 × CI66)FR802W (2.0 in) had significantly more stalk tunnelling than the average entry (0.9 in). Damage by second generation borers was low in 1992.

Two-, three-, four-, and five-year mean yields and agronomic performance (Tables 18 to 21)

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. For the past five years, the number of locations with acceptable data has ranged from 10 in 1988 to 12 from 1989 to 1992. This procedure does not permit an LSD to be directly calculated. Approximate values of 9 bu/a for the two-year means, 7 bu/a for the three- year means, 6 bu/a for the four-year means, and 6 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 1988 to 1992 tests (five-year means), the yellow check hybrid Pioneer Brand 3320 (156.4 bu/a) could be judged to yield significantly more than the average of other entries (148.6 bu/a). Not distinguishable from Pioneer Brand 3320 were Vineyard V68W (153.8 bu/a), NobleBear NB710W (152.7 bu/a), Vineyard V58W (152.1 bu/a), Whisnand 73W (152.1 bu/a), Zimmerman Z16W (150.7 bu/a), and Asgrow RX956W (150.5 bu/a). Relatively poorer performing over this period were Vineyard V424W (142.6 bu/a), Zimmerman Z17W (142.0 bu/a), and the white check hybrid (K55 × CI66)FR802W (135.6 bu/a). For the four-year means, Zimmerman Z63W (159.4 bu/a) and yellow check hybrid Pioneer Brand 3320 (156.6 bu/a) would be judged above average. Not differing significantly from Zimmerman Z63W were NobleBear NB710W (155.0 bu/a), Vineyard V68W (154.2 bu/a), Zimmerman Z61W (154.0 bu/a), Vineyard V58W (153.7 bu/a), and Whisnand 73W (153.6 bu/a).

Kernel quality evaluation of entries in the 1992 White Food Corn Performance Test (Table 22)

Milling quality of entries in the 1992 WFCPT was evaluated by Texas A & M University and the Illinois Crop Improvement Association, Inc. 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 horneous endosperm.

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Yields in the EWFCPT ranged from 146.6 bu/a at Wanatah, IN, to 188.2 bu/a at Champaign, IL, with an overall average for four northern locations of 168.5 bu/a. Stands were near 99% or better everywhere except at Wanatah, IN (86.7%). Covariance adjustment of yield for stand was done for

data from Galesburg, IL, Wanatah, IN, and Knoxville, TN. Root lodging was very low (0.5% average) at all of the northern locations. Stalk lodging ranged from 1.8% at Champaign, IL, to 10.2% at Wanatah, IN, averaging 4.2% for the four northern locations.

Harvest moistures averaged 28.9% reflecting the cooler longer growing season in 1992. The Champaign, IL, location had 21.7% moisture at harvest, while Wanatah, IN, had an average of 35.2%.

Thirty-five white hybrids 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.

The test was also grown at Knoxville, TN (Table 27), and Halfway, TX (Table 28), but data were not included in the combined analysis of the northern locations. Individual location data are shown in Tables 23 to 28 with the combined data in Table 29. Yield data from the four northern locations are given in Table 30.

Combined agronomic data from four northern locations (Table 29)

The average yield from four northern locations was 168.5 bu/a, up 34.1 bu/a from 1991 and beating the previous high average of 151.2 bu/a in 1990. Three white hybrids yielded significantly more than the mean of all entries: Sturdy Grow SG796W (188.4 bu/a), ICI Seeds 8320W (184.9 bu/a), and AgriPro AP543W (184.3 bu/a). Included among entries that yielded significantly less than the average of all entries were Asgrow X9371 (151.7 bu/a), Funk's G Brand EXP 5148W (151.5 bu/a), Pioneer Brand 3463W (146.9 bu/a), Vineyard V427W (146.8 bu/a), and Zimmerman Z17W (131.6 bu/a).

Differences among hybrids for stand percentage were relatively small and not significant. The average stand over all entries was 96.0%.

Significant differences among entry means for root and stalk lodging did not occur for the four northern locations.

Ear heights ranged from 36.3 inches for NobleBear NB742W to 55.0 inches for Vineyard Vx91257W. Twelve white hybrids were more than one LSD below the average of all entries and 12 white hybrids were significantly taller than the average entry. Entries that were more than two LSDs below the mean for all entries included NobleBear NB742W (36.3 in), NobleBear NBX1320W (36.6 in), NobleBear NBX0330W (36.9 in), NobleBear NB563W (38.0 in), NobleBear NB571W (38.9 in), and Sturdy Grow EXP 74W (39.8 in).

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 (81.0 days, 24.7%), NobleBear NB563W (81.7 days, 25.3%), NobleBear NB571W (82.3 days, 24.2%), NobleBear NBX0330W (82.7 days, 24.3%), NobleBear NB710W (83.0 days, 26.6%), and NobleBear NBX1320W (83.0 days, 25.9%). Ten white hybrids had moistures exceeding 30.9% vs. the mean of 28.9% at harvest: AgriGold 3202W, AgriGold XA2201W, AgriGold XA274W, Cargill EXP 59301, Hoegemeyer 1142W, IFSI 90-3, Whisnand 73AW, Whisnand 73W, Whisnand 74W, and Whisnand 92AW.

Stability analysis was not done because of having data from only four northern locations. A minimum of six locations' data is desirable for this analysis.

European corn borer susceptibility data for the 1992 EWFCPT (Table 31)

First generation leaf-feeding ratings were obtained at Columbia and Novelty, MO. Significant differences were found among entries. Zimmerman Z17W (1.7), Sturdy Grow EXP 74W (1.7), AgriGold XA3201W (1.8), Vineyard V427W (1.8), NobleBear NBX0330W (2.0), Funk's G Brand EXP 5148W (2.0), and Zimmerman Z61W (2.2) were significantly better than the mean of all entries (3.2). Vineyard V417W (4.5), ICI Seeds N9300W (4.5), the susceptible check WF9×W182E (5.2), DeKalb Plant Genetics EX1130338 (5.5), and the susceptible check Ki3 (6.0) were more susceptible to leaf feeding damage than the average entry.

Second generation stalk-feeding data were also obtained at Columbia and Novelty, MO. For number of tunnels, no entry was significantly better than the mean of 0.7 tunnels. Significantly worse than the mean were Hoegemeyer 1125W (1.6 tunnels), Vineyard V424W (1.6 tunnels), and the susceptible check WF9×W182E (2.3 tunnels). Tunnel length differences among entries were also significant, but no entry was significantly better than the mean. Significantly more tunnelling than for the average entry was found for Vineyard V424W (1.6 in), Hoegemeyer 1125W (1.6 in), and the susceptible check WF9×W182E (2.3 in). Thirty-six entries in the test had significantly less stalk tunnelling than the mean of the two susceptible check entries (Ki3 and WF9 × W182E).

Two-, three-, four-, and five-year mean yields and agronomic performance (Tables 32 to 35)

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 three in 1988 to five in 1989, 1990, and 1991. 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 7 bu/a for the five-year means can be used to compare yields of individual entries. For the five-year means, NobleBear NB710W (161.0 bu/a) would be judged higher yielding than the average entry. Not differing significantly from NobleBear NB710W was NobleBear NB563W (154.8 bu/a). Results from calculating four-year means were similar to those for the five-year means with the addition of NobleBear NB563W to the significantly higher yielding group: NobleBear NB710W (164.3 bu/a) and Noble Bear NB563W (159.3 bu/a). Relatively lower yielding than other entries were Vineyard V427W (138.5 bu/a) and Pioneer Brand 3463W (137.3 bu/a).

Kernel quality evaluation of entries in the 1992 Early White Food Corn Performance Test (Table 36)

Milling quality of entries in the 1992 EWFCPT was evaluated by Texas A & M University and the Illinois Crop Improvement Association, Inc. 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 horneous endosperm.

Herbicide Tolerance of White Food Corn Hybrids

Single replication plantings were made in conjunction with the three-replication WFCPT at Lexington, KY, to determine tolerance of the white hybrids to nicosulfuron (Accent) at 0.67 oz/a and primisulfuron (Beacon) at 0.76 oz/a (Table 37). The insecticide terbufos (Counter) was omitted from the nicosulfuron and primisulfuron treated replications because of probable interaction with the herbicides. Yield comparisons showed a 6.4 bu/a average reduction for nicosulfuron and a 2.5 bu/a average reduction for primisulfuron. With an LSD 0.05 of 20.7 for the location, entries showing in excess of 15 bu/a loss for both herbicides suggests intolerance. Hybrids with possible intolerance are AgriGold XA274W, ICI Seeds N9300W, NobleBear NB739W, Northrup King N8110W, and Sturdy Grow EXP 84W. These observations must be evaluated cautiously, however, since root lodging caused by corn rootworm larvae (*Diabrotica* spp.) feeding was greater in the nicosulfuron and primisulfuron replications and was significantly correlated with yield in these replications (r = -0.35 and r = -0.44, respectively). The actual cause of yield reductions, therefore, may have been either the herbicide or insect feeding, or a combination of both. Yield gains in excess of 15 bu/a occurring with both herbicide treatments were noted for AgriGold XA3202W, Seed Source USP 575, and Taylor-Evans T-E 9007W. Further study of these extreme cases is warranted.

Table 1. Sources of commercial white endosperm food corn hybrids entered in the 1992 White Food Corn Performance Test and the 1991 Early White Food Corn Performance Test.

Brand	Firm[†]	Address
AgriGold	Akin Seed Company	RR 1, Box 203, St. Francisville, IL 62460
AgriPro	AgriPro Seeds	RR 2, East Highway 30, Ames, IA 50010
Asgrow	Asgrow Seed Company	P. O. Box 7570, Des Moines, IA 50322
Cargill	Cargill, Inc.	P. O. Box 5645, Minneapolis, MN 55440
DeKalb Plant Genetics	DeKalb Plant Genetics	3100 Sycamore Road, DeKalb, IL 60115
Funk's G Brand	CIBA-GEIGY Seed Division	P.O. Box 2911, Bloomington, IL 61701
GroAgri	GroAgri Seed Co.	P.O. Box 1656, Lubbock, TX 79408
Hoegemeyer	Hoegemeyer Hybrids	Route 2, Hooper, NE 68031
ICI Seeds	ICI Seeds, Inc.	P. O. Box 500, Slater, IA 50244
IFSI	Illinois Foundation Seeds	P. O. Box 722, Champaign, IL 61824
Jacques	Jacques Seed Company	Route 1, Box 22A, York, NE 68467
NC+	NC+ Hybrids	Route 2, Box 190, Hastings, NE 68901
NobleBear	NobleBear	P.O. Box 950, Decatur, IL 62525
Northrup King	Northrup King Company	P. O. Box 949, Washington, IA 52353
Ohlde	Ohlde Seed Farm	Box 63, Palmer, KS 66962
ORO	ORO Hybrids - R. C. Young Seed Company	624 - 27th Street, Lubbock, TX 79404
Pioneer Brand	Pioneer Hi-Bred International	4445 Corporate Drive, Suite 200 West Des Moines, IA 50265
Seed Source	Seed Source, Inc.	106 East 4th Street, Leland, MS 38756
Sturdy Grow	Sturdy Grow Hybrids, Inc.	P. O. Box 194, Arcola, IL 61910
Taylor Evans	Taylor Evans Seed Company	P.O. Box 68, Tulia, TX 79088
Triumph	Triumph Seed Company	P. O. Box 1050, Ralls, TX 79357
Vineyard	Vineyard Seed Co., Inc.	RR 1, Box 139, Sidney, IL 61877
Whisnand	Whisnand Hybrids	RR 1, Box 48, Arcola, IL 61910
Wilson	Wilson Seeds, Inc.	P. O. Box 391, Harlan, IA 51537
Zimmerman	Zimmerman Hybrids, Inc.	5147 West Franklin Road Evansville, IN 47712

[†] 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) N	P_2O_5	K_2O	Date planted	Herbicide	Insecticide	Plant density (plants/a)
White Food Corn Performance Test									
Champaign, IL	182.4	Soybeans	187	50	255	2MAY92	Atrazine, metolachlor	------[†]	23,232
Paris, IL	195.5	Soybeans	175	163	363	2MAY92	Atrazine, cyanazine	------	23,232
Princeton, IN	159.0	Soybeans	162	150	308	13APR92	Atrazine, metolachlor	------	23,232
West Lafayette, IN	135.7	Soybeans	167	0	0	8MAY92	Alachlor, atrazine, cyanazine	------	24,394
Rossville, KS[‡]	187.8	Soybeans	175	41	40	30APR92	Alachlor, atrazine	Terbufos	26,200
Lexington, KY	201.6	Corn	150	0	72	11MAY92	Alachlor, atrazine	Carbaryl, terbufos	23,868
Columbia, MO	176.4	Wheat	160	100	100	5MAY92	Alachlor, atrazine	-----	21,780
Novelty, MO	187.6	Soybeans	160	40	100	4MAY92	Alachlor, atrazine, glyphosate	-----	21,780
Knoxville, TN	208.6	Corn	160	50	32	15APR92	Alachlor, atrazine	Carbofuran	25,624
Union City, TN	179.5	Corn	200	46	60	8APR92	Atrazine, metolachlor	Permethrin	26,000
College Station, TX[‡]	113.0	Corn	142	121	32	10MAR92	Atrazine, metolachlor	Terbufos	26,000
Halfway, TX[‡]	154.8	Soybeans	278	138	0	24APR92	Atrazine	Terbufos	26,000

Table 2. Continued.

Location	Mean yield (bu/a)	Previous crop	Fertilizer (lb/a) N	P_2O_5	K_2O	Date planted	Herbicide	Insecticide	Plant density (plants/a)
Early White Food Corn Performance Test									
Champaign, IL	188.2	Soybeans	187	50	255	2MAY92	Atrazine, metolachlor	------	23,232
Galesburg, IL	177.6	Soybeans	162	150	308	29APR92	Atrazine, bentazon, eptam	------	23,232
Wanatah, IN	146.6	Soybeans	160	86	120	11MAY92	Atrazine, cyanazine, metolachlor	Chlorpyrifos	24,394
Marion, IA	161.6	Corn	200	0	0	30APR92	Alachlor, atrazine, cyanazine	Chlorpyrifos	24,000
Knoxville, TN	191.5	Corn	160	50	32	15APR92	Alachlor, atrazine	Carbofuran	25,624
Halfway, TX‡	160.8	Soybeans	278	138	0	24APR92	Atrazine	Terbufos	26,000

† Dashes indicate none used.
‡ Irrigated location.

Table 3. Yield and agronomic data from the 1992 White Food Corn Performance Test at Champaign, IL.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	193.3	99.4	0.0	14.3	54.3	.	26.3
AgriGold A6796W	2	189.3	98.8	0.6	4.8	55.3	.	24.6
AgriGold XA274W	3	186.4	97.6	0.0	1.3	49.7	.	25.2
AgriGold XA2201W	4	153.9	99.4	0.0	0.6	46.7	.	25.3
AgriGold XA3202W	5	183.5	100.0	0.0	0.6	56.0	.	24.1
AgriGold XA4004W	6	201.3	100.0	0.0	3.0	60.3	.	21.1
AgriPro AP543W	7	201.1	99.4	0.0	1.2	51.0	.	21.3
AgriPro AP728W	8	171.1	97.6	0.0	4.3	48.7	.	27.4
Asgrow RX956W	9	175.6	100.0	0.0	4.8	50.3	.	24.4
Asgrow RX959W	10	161.1	100.0	0.0	2.4	54.0	.	28.3
Asgrow RX943W	11	188.4	100.0	0.0	0.6	56.0	.	23.9
Asgrow X9651W	12	176.5	99.4	0.0	1.8	51.3	.	24.8
Asgrow RX795W	13	206.8	100.0	0.0	1.8	52.7	.	21.3
Asgrow XP9431W	14	184.1	100.0	0.0	4.8	45.7	.	25.1
Cargill 9100W	15	192.8	100.0	0.0	0.6	50.7	.	26.0
Cargill 9400W	16	182.9	99.4	0.0	3.0	53.3	.	25.5
Cargill 9402W	17	177.3	100.0	0.0	4.2	53.7	.	25.8
Cargill EXP 59300	18	196.4	97.6	0.0	2.5	56.0	.	20.7
Cargill EXP 59301	19	181.5	99.4	0.0	0.0	43.3	.	25.9
DeKalb Plant Genetics DK703W	20	181.0	99.4	0.0	2.4	50.0	.	22.1
DeKalb Plant Genetics EX1130338	21	217.7	99.4	0.6	0.0	56.7	.	20.7
Funk's G Brand 4592W	22	187.1	98.2	0.0	3.7	49.3	.	23.0
Funk's G Brand 4644W	23	200.0	99.4	0.0	1.2	53.7	.	26.0
Funk's G Brand 4652W	24	186.1	100.0	0.0	3.0	52.7	.	23.9
Funk's G Brand 4660W	25	194.0	99.4	0.6	4.8	52.3	.	24.2
Funk's G Brand EXP 5148W	26	191.6	95.8	0.0	1.9	53.0	.	21.3
Funk's G Brand EXP 6168W	27	166.8	99.4	0.6	2.4	43.3	.	25.6
ICI Seeds 8101W	28	189.1	99.4	0.0	0.6	53.3	.	24.8
ICI Seeds SC707W	29	209.5	97.0	0.6	1.8	46.7	.	25.7
GroAgri 4626	30	181.5	100.0	0.0	3.0	50.7	.	25.0
GroAgri 4627	31	181.5	100.0	0.0	0.6	46.7	.	26.1
Hoegemeyer 1125W	32	203.2	100.0	0.0	1.8	53.3	.	23.2
Hoegemeyer 1131W	33	204.2	93.5	0.0	1.3	60.0	.	21.6
Hoegemeyer 1142W	34	175.6	100.0	0.0	0.0	50.3	.	27.1
ICI Seeds 8320W	35	217.4	99.4	0.0	0.0	53.7	.	22.1
ICI Seeds 8122W	36	201.9	95.8	0.0	5.2	49.7	.	26.3
ICI Seeds N9163W	37	184.6	100.0	0.0	0.0	52.7	.	24.9
ICI Seeds N9300W	38	191.2	99.4	0.6	4.2	46.7	.	20.3
IFSI 88-6	39	176.7	100.0	0.0	1.2	47.7	.	26.7
IFSI 90-2	40	187.4	97.6	0.0	0.6	41.7	.	25.7
IFSI 90-3	41	179.9	98.8	0.0	0.0	49.3	.	23.1
IFSI 91-3	42	180.4	98.2	0.0	0.6	51.0	.	24.0
IFSI 91-4	43	182.6	99.4	0.0	4.8	53.0	.	23.9
IFSI 92-1	44	157.6	99.4	1.2	1.2	50.3	.	26.4
Jacques EXP 0114W	45	184.0	99.4	0.6	1.2	51.0	.	26.1

Table 3. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	194.2	98.2	0.0	3.6	52.0	.	20.9
Jacques EXP 213W	47	169.4	100.0	0.0	4.2	55.3	.	23.2
Jacques EXP 214W	48	191.4	100.0	0.0	2.4	49.7	.	23.9
Jacques EXP 215W	49	167.0	100.0	0.0	1.2	42.3	.	25.8
Jacques EXP 216W	50	165.6	100.0	0.0	3.0	49.0	.	25.4
NC+ 7161W	51	164.0	100.0	0.0	0.6	52.7	.	23.6
NC+ 8141W	52	203.7	99.4	0.0	3.0	53.7	.	25.5
NC+ X7663W	53	203.5	99.4	0.0	2.4	54.7	.	24.6
NobleBear NB710W	54	204.2	92.9	0.0	7.7	48.7	.	19.0
NobleBear NB739W	55	179.1	99.4	0.0	0.6	35.3	.	22.6
NobleBear NB742W	56	175.3	99.4	0.0	0.6	41.3	.	22.8
NobleBear NB747W	57	188.2	100.0	0.6	1.8	37.3	.	22.6
NobleBear NBX1320W	58	175.1	98.2	0.0	3.6	37.7	.	19.9
Northrup King N8110W	59	181.1	98.8	0.6	2.4	60.0	.	25.2
Northrup King N8565W	60	181.6	98.8	0.6	1.8	47.7	.	27.6
Northrup King X780W	61	193.6	98.8	0.0	5.4	53.7	.	23.4
Ohlde EX168W	62	171.7	100.0	0.0	1.2	50.7	.	26.8
Ohlde EX181W	63	175.4	96.4	0.6	5.1	50.3	.	26.0
Ohlde EX198W	64	193.6	100.0	0.0	6.5	52.7	.	21.4
ORO 200W	65	179.3	98.2	3.6	3.0	48.7	.	22.4
ORO EXP 209	66	199.5	98.8	0.0	1.2	53.0	.	21.7
ORO 206W [EXP 1013]	67	178.1	98.8	0.0	1.2	51.0	.	26.3
Pioneer Brand 3281W	68	200.5	99.4	0.0	3.0	47.3	.	21.7
Pioneer Brand 3287W	69	179.0	99.4	0.0	1.2	43.7	.	21.0
Seed Source USN 471	70	176.1	99.4	0.0	9.5	52.0	.	26.2
Seed Source USP 575	71	146.1	97.6	1.2	2.5	54.7	.	26.2
Sturdy Grow SG798W	72	194.1	98.2	0.6	3.6	55.3	.	23.9
Sturdy Grow SG909W	73	140.7	99.4	0.0	1.8	54.7	.	21.7
Sturdy Grow SG930W	74	176.4	100.0	2.4	2.4	51.3	.	26.9
Sturdy Grow EXP 28W	75	174.5	100.0	0.0	5.4	53.7	.	23.8
Sturdy Grow EXP 84W	76	152.8	98.8	0.0	0.0	41.0	.	22.7
Sturdy Grow EXP 169W	77	190.0	100.0	0.0	0.0	49.3	.	23.8
Taylor-Evans T-E 1166W	78	169.3	100.0	0.0	3.6	57.0	.	23.5
Taylor-Evans T-E 9007W	79	192.6	99.4	0.0	0.6	48.3	.	25.9
Taylor-Evans T-E EXP 2909W	80	175.0	98.2	0.0	1.9	47.3	.	26.6
Triumph 1910W	81	174.4	98.8	1.2	2.4	49.3	.	26.2
Triumph 1990W	82	178.9	98.2	0.0	0.6	53.7	.	25.1
Triumph TRX1829	83	203.2	100.0	0.6	0.0	54.3	.	21.5
Vineyard V58W	84	205.8	100.0	0.0	1.8	55.3	.	22.8
Vineyard V68W	85	205.7	100.0	0.6	2.4	55.0	.	24.2
Vineyard V424W	86	182.4	98.8	0.6	0.6	51.3	.	21.6
Vineyard V449W	87	207.0	98.8	0.0	0.6	48.7	.	22.1
Vineyard Vx4721W	88	179.7	100.0	2.4	4.2	54.7	.	25.5
Vineyard Vx4781W	89	193.2	100.0	0.6	2.4	54.3	.	26.7
Whisnand 51AW	90	205.9	99.4	0.0	0.6	48.7	.	21.1

Table 3. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	164.1	100.0	0.0	4.2	53.7	.	25.8
Whisnand 73W	92	188.8	98.2	0.0	1.2	56.0	.	24.8
Whisnand 74W	93	154.8	100.0	0.0	0.0	50.0	.	24.0
Whisnand 90AW	94	181.8	100.0	0.0	1.8	50.0	.	26.5
Whisnand 92AW	95	185.1	98.8	0.0	0.0	49.0	.	26.0
Wilson E4364	96	162.4	99.4	1.2	3.0	43.3	.	25.4
Wilson E14289	97	171.8	97.0	0.0	3.1	48.3	.	23.9
Wilson E14290	98	168.7	97.6	0.0	1.9	47.7	.	22.1
Wilson E14292	99	150.8	98.8	0.0	14.5	49.7	.	23.2
Wilson E14293	100	106.0	98.8	0.0	8.4	46.7	.	21.8
Wilson E14294	101	189.0	99.4	0.0	1.8	50.7	.	21.7
Zimmerman Z14W	102	160.9	100.0	1.8	5.4	54.0	.	25.5
Zimmerman Z16W	103	192.6	98.8	0.0	1.8	52.0	.	26.0
Zimmerman Z17W	104	151.7	97.6	0.0	0.0	51.7	.	21.5
Zimmerman Z54W	105	146.9	98.2	1.2	3.1	50.0	.	24.9
Zimmerman Z61W	106	182.6	99.4	0.0	1.8	51.0	.	23.1
Zimmerman Z63W	107	193.5	99.4	1.2	1.2	54.3	.	24.9
White check (K55 × CI66)FR802W	108	160.6	100.0	1.8	10.1	51.7	.	25.6
Yellow check B73 × Mo17	109	203.3	100.0	0.0	1.8	48.3	.	20.2
Yellow check Pioneer Brand 3320	110	171.6	100.0	0.0	1.2	48.0	.	20.8
Yellow check Pioneer Brand 3245	111	205.2	98.8	0.0	0.6	41.7	.	20.2
Mean		182.4	99.1	0.3	2.6	50.6	.	24.0
LSD 0.05		31.9	ns	ns	6.1	5.7		1.5
CV%		10.7			145.1	6.9		3.7

Table 4. Yield and agronomic data from the 1992 White Food Corn Performance Test at Paris, IL.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	196.3	100.0	0.0	3.6	47.0	.	24.4
AgriGold A6796W	2	207.3	100.0	1.8	2.4	43.7	.	24.6
AgriGold XA274W	3	215.8	100.0	0.0	0.0	42.3	.	23.6
AgriGold XA2201W	4	162.9	98.8	0.6	0.0	37.0	.	24.9
AgriGold XA3202W	5	201.2	100.0	3.0	0.0	45.3	.	23.1
AgriGold XA4004W	6	192.6	100.0	0.0	4.8	44.7	.	20.4
AgriPro AP543W	7	211.4	100.0	0.6	2.4	48.0	.	20.3
AgriPro AP728W	8	191.1	100.0	0.0	1.2	43.3	.	26.9
Asgrow RX956W	9	206.2	100.0	1.2	7.7	44.0	.	24.1
Asgrow RX959W	10	170.3	100.0	1.2	0.0	46.7	.	27.8
Asgrow RX943W	11	208.9	99.4	1.8	1.8	43.7	.	22.9
Asgrow X9651W	12	191.4	100.0	0.6	0.0	43.7	.	24.6
Asgrow RX795W	13	227.3	100.0	0.0	0.6	44.7	.	21.0
Asgrow XP9431W	14	163.2	100.0	0.0	7.7	36.3	.	23.6
Cargill 9100W	15	192.1	100.0	0.0	0.0	39.3	.	25.4
Cargill 9400W	16	206.0	100.0	0.0	15.5	47.0	.	24.4
Cargill 9402W	17	194.6	100.0	3.6	11.3	44.7	.	23.9
Cargill EXP 59300	18	206.8	100.0	0.0	0.6	45.0	.	20.4
Cargill EXP 59301	19	159.2	100.0	1.2	5.4	39.7	.	25.5
DeKalb Plant Genetics DK703W	20	211.2	100.0	17.9	0.0	44.0	.	21.9
DeKalb Plant Genetics EX1130338	21	215.1	100.0	0.6	3.0	50.3	.	21.4
Funk's G Brand 4592W	22	209.7	95.2	0.0	0.0	46.7	.	22.6
Funk's G Brand 4644W	23	182.9	100.0	0.0	7.7	45.0	.	23.9
Funk's G Brand 4652W	24	204.0	100.0	0.6	6.5	48.7	.	23.3
Funk's G Brand 4660W	25	191.9	100.0	0.6	1.2	42.0	.	23.4
Funk's G Brand EXP 5148W	26	216.3	100.0	0.6	0.0	46.0	.	20.8
Funk's G Brand EXP 6168W	27	180.7	100.0	0.6	1.8	38.0	.	23.9
ICI Seeds 8101W	28	192.5	100.0	3.0	3.6	44.0	.	23.9
ICI Seeds SC707W	29	198.0	100.0	0.0	1.2	46.0	.	24.8
GroAgri 4626	30	189.4	100.0	0.0	3.0	44.7	.	24.8
GroAgri 4627	31	195.3	100.0	0.0	0.6	40.3	.	25.9
Hoegemeyer 1125W	32	178.6	100.0	1.2	2.4	45.0	.	22.5
Hoegemeyer 1131W	33	202.6	97.0	1.2	0.6	44.3	.	20.6
Hoegemeyer 1142W	34	197.2	100.0	0.0	1.2	42.7	.	24.9
ICI Seeds 8320W	35	228.0	100.0	0.0	0.0	46.7	.	21.2
ICI Seeds 8122W	36	195.2	100.0	0.0	0.6	41.7	.	24.8
ICI Seeds N9163W	37	216.7	100.0	0.0	0.0	45.0	.	22.8
ICI Seeds N9300W	38	189.6	100.0	0.0	0.6	44.7	.	20.1
IFSI 88-6	39	196.9	100.0	0.0	1.8	42.0	.	25.4
IFSI 90-2	40	177.8	100.0	0.0	3.6	36.7	.	23.9
IFSI 90-3	41	206.9	99.4	0.0	0.6	44.3	.	21.8
IFSI 91-3	42	193.4	100.0	0.0	3.6	43.7	.	22.3
IFSI 91-4	43	201.3	100.0	0.0	0.6	47.3	.	22.3
IFSI 92-1	44	171.2	99.4	0.0	0.0	43.7	.	24.4
Jacques EXP 0114W	45	188.5	100.0	1.2	0.6	43.3	.	25.3

Table 4. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	199.2	100.0	0.0	4.2	49.3	.	20.8
Jacques EXP 213W	47	173.7	100.0	0.0	3.6	43.0	.	21.7
Jacques EXP 214W	48	154.9	100.0	0.0	5.4	43.3	.	22.2
Jacques EXP 215W	49	155.2	98.8	0.0	2.4	37.0	.	23.7
Jacques EXP 216W	50	189.9	100.0	0.0	1.2	43.7	.	24.8
NC+ 7161W	51	207.6	100.0	0.0	1.2	47.3	.	22.7
NC+ 8141W	52	207.6	100.0	0.6	4.2	44.7	.	24.4
NC+ X7663W	53	210.5	100.0	0.0	1.2	49.0	.	24.7
NobleBear NB710W	54	217.7	100.0	0.0	1.2	41.0	.	19.6
NobleBear NB739W	55	199.0	100.0	1.8	0.0	29.3	.	22.5
NobleBear NB742W	56	200.1	100.0	0.6	0.0	30.3	.	22.2
NobleBear NB747W	57	183.4	100.0	0.0	2.4	34.3	.	21.2
NobleBear NBX1320W	58	193.1	100.0	0.0	0.6	33.7	.	20.2
Northrup King N8110W	59	202.6	100.0	3.0	2.4	46.3	.	24.0
Northrup King N8565W	60	205.8	100.0	1.2	0.6	46.3	.	26.2
Northrup King X780W	61	215.9	100.0	0.0	4.2	45.7	.	21.9
Ohlde EX168W	62	184.0	100.0	0.6	1.2	44.7	.	26.4
Ohlde EX181W	63	216.2	99.4	0.0	0.0	43.3	.	25.2
Ohlde EX198W	64	195.3	100.0	1.2	2.4	45.3	.	21.0
ORO 200W	65	188.3	98.8	0.0	3.6	42.0	.	21.4
ORO EXP 209	66	183.4	97.6	0.0	1.2	44.7	.	20.6
ORO 206W [EXP 1013]	67	206.7	100.0	0.0	1.8	41.3	.	25.3
Pioneer Brand 3281W	68	186.8	100.0	1.8	3.6	39.7	.	21.2
Pioneer Brand 3287W	69	173.0	100.0	0.0	0.0	38.0	.	20.4
Seed Source USN 471	70	181.5	99.4	4.2	12.6	46.3	.	25.3
Seed Source USP 575	71	169.6	100.0	2.4	0.0	47.7	.	25.9
Sturdy Grow SG798W	72	205.4	99.4	0.0	1.2	43.3	.	21.6
Sturdy Grow SG909W	73	182.2	100.0	0.0	4.2	42.7	.	20.5
Sturdy Grow SG930W	74	207.3	100.0	0.0	1.8	43.7	.	25.0
Sturdy Grow EXP 28W	75	184.8	99.4	0.6	6.7	39.7	.	22.9
Sturdy Grow EXP 84W	76	191.3	100.0	0.0	0.0	39.0	.	22.0
Sturdy Grow EXP 169W	77	212.6	100.0	0.0	3.6	43.3	.	22.4
Taylor-Evans T-E 1166W	78	192.2	100.0	1.2	2.4	45.0	.	23.2
Taylor-Evans T-E 9007W	79	215.1	100.0	0.0	0.6	44.3	.	24.6
Taylor-Evans T-E EXP 2909W	80	202.8	100.0	0.0	1.8	42.3	.	25.0
Triumph 1910W	81	180.4	100.0	0.0	0.0	39.3	.	26.2
Triumph 1990W	82	189.1	100.0	1.8	6.5	42.7	.	24.5
Triumph TRX1829	83	213.6	98.8	0.0	0.6	45.7	.	20.6
Vineyard V58W	84	198.9	98.8	0.6	9.5	44.3	.	22.3
Vineyard V68W	85	207.9	99.4	0.6	1.2	45.7	.	23.4
Vineyard V424W	86	185.7	100.0	0.0	0.0	43.3	.	21.0
Vineyard V449W	87	201.4	100.0	0.0	1.8	38.7	.	21.0
Vineyard Vx4721W	88	205.6	100.0	10.1	0.0	47.7	.	23.6
Vineyard Vx4781W	89	213.7	100.0	8.9	4.8	49.3	.	26.7
Whisnand 51AW	90	209.0	100.0	0.6	0.0	45.3	.	20.6

Table 4. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	196.6	100.0	0.6	4.8	46.7	.	24.8
Whisnand 73W	92	183.8	100.0	3.0	4.2	45.0	.	23.8
Whisnand 74W	93	188.4	100.0	0.0	0.0	44.0	.	22.8
Whisnand 90AW	94	216.9	100.0	0.0	3.6	43.7	.	24.3
Whisnand 92AW	95	190.2	100.0	0.0	1.8	42.0	.	25.9
Wilson E4364	96	192.5	100.0	0.6	2.4	41.7	.	24.1
Wilson E14289	97	188.0	99.4	3.6	0.6	45.7	.	23.9
Wilson E14290	98	158.7	91.7	2.2	0.6	37.0	.	21.8
Wilson E14292	99	208.5	98.2	0.6	6.0	47.7	.	23.5
Wilson E14293	100	159.4	100.0	0.6	6.0	46.7	.	21.7
Wilson E14294	101	198.4	100.0	3.6	0.6	44.7	.	22.4
Zimmerman Z14W	102	192.5	100.0	1.8	10.7	45.0	.	25.0
Zimmerman Z16W	103	213.5	100.0	0.6	1.2	44.0	.	24.1
Zimmerman Z17W	104	183.9	98.8	0.0	1.8	43.7	.	21.7
Zimmerman Z54W	105	216.8	100.0	0.0	3.0	48.0	.	23.6
Zimmerman Z61W	106	200.5	100.0	0.0	0.6	46.7	.	21.8
Zimmerman Z63W	107	207.1	98.2	4.2	0.6	49.0	.	24.1
White check (K55×CI66)FR802W	108	183.4	100.0	1.8	11.9	46.7	.	25.2
Yellow check B73×Mo17	109	200.4	100.0	0.6	0.6	39.3	.	21.7
Yellow check Pioneer Brand 3320	110	178.4	94.0	2.4	0.7	41.0	.	20.7
Yellow check Pioneer Brand 3245	111	208.6	100.0	0.0	0.0	33.7	.	20.5
Mean		195.5	99.6	1.0	2.5	43.4	.	23.2
LSD 0.05		33.0	ns	4.3	7.3	4.5		1.2
CV%		10.3		265.6	179.0	6.4		3.1

Table 5. Yield and agronomic data from the 1992 White Food Corn Performance Test at Princeton, IN.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	157.4	100.0	0.0	5.4	44.0	.	19.1
AgriGold A6796W	2	164.6	100.0	0.6	6.0	46.3	.	18.7
AgriGold XA274W	3	119.4	100.0	11.9	2.4	42.0	.	17.5
AgriGold XA2201W	4	180.3	100.0	1.2	1.2	40.3	.	19.2
AgriGold XA3202W	5	163.7	99.4	0.0	2.4	43.0	.	17.6
AgriGold XA4004W	6	169.2	100.0	0.0	3.0	49.7	.	17.2
AgriPro AP543W	7	156.9	100.0	11.9	3.6	44.3	.	16.6
AgriPro AP728W	8	168.5	100.0	1.2	3.6	43.0	.	20.1
Asgrow RX956W	9	160.9	100.0	0.0	8.3	45.7	.	18.3
Asgrow RX959W	10	203.2	100.0	0.6	2.4	42.3	.	20.5
Asgrow RX943W	11	176.6	100.0	0.0	4.8	46.0	.	18.8
Asgrow X9651W	12	187.0	100.0	0.0	1.8	47.3	.	20.3
Asgrow RX795W	13	146.6	97.6	10.6	2.4	45.0	.	16.8
Asgrow XP9431W	14	161.3	100.0	3.0	3.0	37.7	.	18.2
Cargill 9100W	15	163.9	99.4	1.2	2.4	41.0	.	19.9
Cargill 9400W	16	166.2	100.0	0.0	7.7	43.3	.	19.1
Cargill 9402W	17	173.0	100.0	0.0	14.9	42.7	.	19.9
Cargill EXP 59300	18	131.5	99.4	17.3	3.0	43.0	.	16.4
Cargill EXP 59301	19	143.1	100.0	6.0	1.8	37.7	.	18.4
DeKalb Plant Genetics DK703W	20	167.3	100.0	0.0	1.2	40.7	.	17.9
DeKalb Plant Genetics EX1130338	21	173.4	100.0	3.6	0.6	47.7	.	16.6
Funk's G Brand 4592W	22	175.8	99.4	0.0	1.2	45.0	.	17.2
Funk's G Brand 4644W	23	169.0	100.0	0.0	5.4	43.3	.	19.0
Funk's G Brand 4652W	24	185.6	100.0	1.2	0.6	44.3	.	18.8
Funk's G Brand 4660W	25	161.5	100.0	0.0	4.8	41.0	.	19.6
Funk's G Brand EXP 5148W	26	131.1	99.4	5.4	4.2	44.3	.	17.1
Funk's G Brand EXP 6168W	27	174.3	100.0	5.4	6.0	35.7	.	19.2
ICI Seeds 8101W	28	178.8	100.0	0.0	3.6	45.7	.	18.9
ICI Seeds SC707W	29	180.6	100.0	0.6	1.2	43.0	.	20.0
GroAgri 4626	30	124.7	100.0	1.2	8.3	41.7	.	19.5
GroAgri 4627	31	172.8	100.0	0.0	3.0	37.7	.	19.7
Hoegemeyer 1125W	32	170.6	100.0	0.0	3.0	41.0	.	17.6
Hoegemeyer 1131W	33	118.3	95.8	17.1	1.8	47.7	.	16.7
Hoegemeyer 1142W	34	175.9	100.0	0.6	5.4	42.0	.	20.1
ICI Seeds 8320W	35	148.9	100.0	11.9	4.8	46.0	.	16.8
ICI Seeds 8122W	36	138.8	99.4	4.2	4.8	45.0	.	19.4
ICI Seeds N9163W	37	170.1	99.4	0.0	2.4	40.7	.	18.7
ICI Seeds N9300W	38	125.2	100.0	3.6	2.4	45.0	.	16.0
IFSI 88-6	39	177.2	100.0	0.0	3.0	38.3	.	21.0
IFSI 90-2	40	157.8	99.4	4.8	4.2	33.7	.	18.5
IFSI 90-3	41	168.1	100.0	0.6	2.4	43.0	.	17.5
IFSI 91-3	42	133.5	100.0	0.0	2.4	38.0	.	17.3
IFSI 91-4	43	162.0	100.0	0.0	13.1	38.7	.	19.1
IFSI 92-1	44	134.6	100.0	1.2	6.5	38.7	.	19.7
Jacques EXP 0114W	45	174.9	99.4	0.6	1.2	35.7	.	20.4

Table 5. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	141.3	92.9	2.6	3.9	42.7	.	17.6
Jacques EXP 213W	47	155.8	100.0	0.6	10.7	41.3	.	19.1
Jacques EXP 214W	48	152.7	99.4	0.0	12.0	40.7	.	17.6
Jacques EXP 215W	49	150.9	100.0	1.8	8.3	35.3	.	18.2
Jacques EXP 216W	50	162.3	99.4	0.6	4.2	39.7	.	19.5
NC+ 7161W	51	168.2	100.0	0.6	1.2	47.0	.	18.3
NC+ 8141W	52	177.4	100.0	1.2	6.5	41.7	.	19.7
NC+ X7663W	53	183.8	100.0	1.8	1.8	45.7	.	19.5
NobleBear NB710W	54	162.6	97.0	5.4	6.0	40.0	.	15.7
NobleBear NB739W	55	141.0	100.0	5.4	2.4	36.7	.	17.5
NobleBear NB742W	56	144.2	99.4	0.0	1.8	30.0	.	17.9
NobleBear NB747W	57	156.0	98.8	0.6	4.9	39.3	.	17.6
NobleBear NBX1320W	58	125.0	98.8	0.0	1.8	28.7	.	15.9
Northrup King N8110W	59	174.5	100.0	1.8	4.8	43.7	.	19.1
Northrup King N8565W	60	176.7	100.0	0.6	2.4	40.7	.	20.5
Northrup King X780W	61	155.5	98.8	2.5	1.8	44.0	.	17.6
Ohlde EX168W	62	164.0	100.0	0.0	4.8	43.0	.	19.8
Ohlde EX181W	63	139.6	100.0	3.6	7.1	42.0	.	19.8
Ohlde EX198W	64	149.0	100.0	8.9	4.2	48.0	.	17.2
ORO 200W	65	126.7	100.0	2.4	1.8	37.0	.	17.3
ORO EXP 209	66	145.8	98.8	12.1	1.8	45.3	.	17.0
ORO 206W [EXP 1013]	67	140.5	100.0	9.5	5.4	39.3	.	18.5
Pioneer Brand 3281W	68	179.3	100.0	0.0	0.6	40.0	.	18.4
Pioneer Brand 3287W	69	139.1	100.0	0.6	2.4	36.0	.	17.4
Seed Source USN 471	70	160.0	100.0	0.0	21.4	41.0	.	18.0
Seed Source USP 575	71	213.7	100.0	0.0	0.6	50.3	.	21.9
Sturdy Grow SG798W	72	161.3	100.0	2.4	2.4	42.3	.	17.8
Sturdy Grow SG909W	73	150.8	100.0	4.2	4.8	41.0	.	16.8
Sturdy Grow SG930W	74	169.9	100.0	0.0	4.8	41.7	.	20.4
Sturdy Grow EXP 28W	75	151.5	98.8	3.6	1.8	41.7	.	18.0
Sturdy Grow EXP 84W	76	153.5	100.0	0.6	3.6	36.3	.	19.2
Sturdy Grow EXP 169W	77	162.2	100.0	0.0	0.6	40.3	.	18.2
Taylor-Evans T-E 1166W	78	158.4	100.0	8.3	7.1	44.3	.	18.9
Taylor-Evans T-E 9007W	79	138.4	100.0	6.0	6.5	41.0	.	18.8
Taylor-Evans T-E EXP 2909W	80	155.4	100.0	0.0	2.4	42.0	.	19.1
Triumph 1910W	81	163.7	99.4	0.0	3.0	41.0	.	19.6
Triumph 1990W	82	177.2	99.4	0.0	4.2	42.3	.	19.0
Triumph TRX1829	83	124.7	100.0	20.2	4.2	43.3	.	17.0
Vineyard V58W	84	172.4	100.0	0.6	4.2	42.7	.	17.9
Vineyard V68W	85	182.5	98.8	0.6	3.6	46.0	.	19.5
Vineyard V424W	86	150.3	99.4	0.0	1.8	39.7	.	17.8
Vineyard V449W	87	170.5	100.0	1.2	3.6	38.7	.	18.1
Vineyard Vx4721W	88	180.1	100.0	3.0	6.5	48.7	.	18.5
Vineyard Vx4781W	89	178.9	100.0	0.6	6.5	39.7	.	20.3
Whisnand 51AW	90	142.2	100.0	6.5	4.2	43.7	.	16.7

Table 5. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	180.8	100.0	0.0	9.5	44.3	.	19.8
Whisnand 73W	92	153.6	100.0	0.0	10.7	42.3	.	19.2
Whisnand 74W	93	167.9	99.4	0.0	0.6	41.7	.	18.4
Whisnand 90AW	94	150.1	100.0	6.0	5.4	42.0	.	19.4
Whisnand 92AW	95	170.4	100.0	0.0	6.5	39.7	.	20.5
Wilson E4364	96	164.2	100.0	1.8	0.6	39.0	.	19.1
Wilson E14289	97	154.2	100.0	0.0	1.8	43.7	.	17.1
Wilson E14290	98	141.9	100.0	0.0	1.2	36.3	.	16.9
Wilson E14292	99	100.8	99.4	8.3	30.5	46.0	.	18.8
Wilson E14293	100	96.5	99.4	13.7	6.6	40.0	.	17.3
Wilson E14294	101	138.1	98.8	4.9	14.0	42.0	.	17.4
Zimmerman Z14W	102	180.8	100.0	1.8	4.8	41.7	.	20.3
Zimmerman Z16W	103	183.4	99.4	0.0	3.6	45.3	.	20.2
Zimmerman Z17W	104	151.9	100.0	0.0	4.8	43.3	.	17.9
Zimmerman Z54W	105	165.8	100.0	4.8	6.5	44.3	.	18.8
Zimmerman Z61W	106	184.1	100.0	0.0	2.4	49.3	.	19.3
Zimmerman Z63W	107	193.2	98.8	1.2	1.9	45.0	.	18.7
White check (K55×CI66)FR802W	108	168.3	100.0	0.0	11.3	41.3	.	19.0
Yellow check B73×Mo17	109	120.0	100.0	36.3	3.0	38.0	.	16.6
Yellow check Pioneer Brand 3320	110	143.6	99.4	2.4	12.0	40.7	.	17.4
Yellow check Pioneer Brand 3245	111	168.4	100.0	0.0	1.2	35.7	.	16.9
Mean		159.0	99.7	3.0	4.6	41.8	.	18.5
LSD 0.05		27.5	1.8	9.6	6.4	5.9		1.0
CV%		10.6	1.1	198.1	83.7	8.6		3.5

Table 6. Yield and agronomic data from the 1992 White Food Corn Performance Test at West Lafayette, IN.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	140.1	94.3	2.6	23.7	40.6	.	25.2
AgriGold A6796W	2	144.9	91.0	10.0	14.9	42.5	.	26.4
AgriGold XA274W	3	139.4	89.0	2.1	9.7	37.8	.	25.4
AgriGold XA2201W	4	137.5	95.7	5.5	9.9	30.0	.	27.1
AgriGold XA3202W	5	140.2	93.8	2.1	15.2	43.7	.	26.1
AgriGold XA4004W	6	145.9	91.9	15.9	12.0	40.9	.	22.6
AgriPro AP543W	7	148.7	91.0	9.0	14.6	41.7	.	22.3
AgriPro AP728W	8	127.6	91.4	5.2	6.3	40.2	.	29.4
Asgrow RX956W	9	143.8	91.0	5.2	13.6	42.5	.	25.1
Asgrow RX959W	10	105.5	91.9	12.0	3.6	43.7	.	29.5
Asgrow RX943W	11	153.7	96.2	1.5	13.8	44.8	.	25.8
Asgrow X9651W	12	100.4	91.0	11.6	13.9	41.3	.	28.4
Asgrow RX795W	13	142.6	88.6	10.1	5.9	43.3	.	24.3
Asgrow XP9431W	14	132.7	90.0	6.4	11.5	31.6	.	29.0
Cargill 9100W	15	127.2	86.7	9.8	6.6	35.5	.	30.0
Cargill 9400W	16	134.2	90.0	5.2	17.4	47.6	.	26.8
Cargill 9402W	17	144.1	96.2	0.0	36.2	45.2	.	27.4
Cargill EXP 59300	18	141.9	92.4	8.7	14.4	41.7	.	24.2
Cargill EXP 59301	19	137.4	93.8	3.1	8.1	32.4	.	25.8
DeKalb Plant Genetics DK703W	20	146.1	94.8	8.1	11.5	37.4	.	21.3
DeKalb Plant Genetics EX1130338	21	144.5	94.3	13.1	9.0	45.6	.	25.4
Funk's G Brand 4592W	22	112.6	85.7	6.3	8.9	45.6	.	22.3
Funk's G Brand 4644W	23	136.6	86.2	5.5	20.3	44.1	.	26.4
Funk's G Brand 4652W	24	121.4	88.1	11.3	8.3	45.2	.	27.8
Funk's G Brand 4660W	25	147.4	86.7	2.8	15.3	46.4	.	24.9
Funk's G Brand EXP 5148W	26	127.9	90.0	9.5	4.2	45.2	.	25.5
Funk's G Brand EXP 6168W	27	137.4	93.3	2.1	11.5	34.7	.	27.2
ICI Seeds 8101W	28	117.7	91.0	17.0	13.5	43.3	.	28.9
ICI Seeds SC707W	29	135.8	94.3	7.1	8.6	37.4	.	26.4
GroAgri 4626	30	161.1	95.7	2.5	12.9	37.4	.	25.7
GroAgri 4627	31	130.1	86.7	5.5	8.8	39.4	.	26.7
Hoegemeyer 1125W	32	135.5	92.9	12.8	13.8	42.9	.	26.0
Hoegemeyer 1131W	33	138.7	94.3	6.1	11.7	40.6	.	23.3
Hoegemeyer 1142W	34	127.9	90.5	8.5	12.0	35.1	.	30.1
ICI Seeds 8320W	35	149.9	94.3	10.1	6.6	42.1	.	21.5
ICI Seeds 8122W	36	135.9	91.4	2.7	18.0	38.2	.	29.1
ICI Seeds N9163W	37	139.0	93.3	4.6	4.6	41.7	.	24.7
ICI Seeds N9300W	38	147.2	90.5	9.7	10.3	42.1	.	21.8
IFSI 88-6	39	141.9	90.5	7.1	8.8	37.4	.	26.4
IFSI 90-2	40	133.4	92.4	5.2	8.6	31.6	.	24.5
IFSI 90-3	41	140.5	91.9	2.1	3.5	41.3	.	26.4
IFSI 91-3	42	132.6	94.3	1.9	30.3	37.4	.	24.1
IFSI 91-4	43	130.6	92.4	5.7	21.8	40.2	.	22.8
IFSI 92-1	44	132.1	91.9	4.1	13.5	43.3	.	25.7
Jacques EXP 0114W	45	120.6	88.6	9.2	14.4	38.2	.	30.4

Table 6. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	156.6	90.0	11.6	17.3	40.2	.	22.8
Jacques EXP 213W	47	148.2	96.2	3.5	19.7	44.1	.	24.8
Jacques EXP 214W	48	121.8	88.6	7.1	21.7	42.9	.	26.5
Jacques EXP 215W	49	136.7	92.9	3.6	6.2	34.7	.	26.7
Jacques EXP 216W	50	131.4	93.8	10.2	14.3	40.6	.	27.2
NC+ 7161W	51	119.8	91.0	10.5	7.9	48.4	.	25.7
NC+ 8141W	52	135.7	92.9	8.1	15.9	42.1	.	27.6
NC+ X7663W	53	130.5	89.5	15.6	9.3	44.5	.	29.5
NobleBear NB710W	54	151.0	89.5	2.7	22.0	39.4	.	22.7
NobleBear NB739W	55	140.2	88.1	2.1	4.9	30.0	.	22.4
NobleBear NB742W	56	150.3	92.9	2.1	7.2	32.8	.	24.5
NobleBear NB747W	57	133.4	92.4	4.6	11.8	27.7	.	25.6
NobleBear NBX1320W	58	133.4	94.3	3.5	4.0	33.9	.	24.3
Northrup King N8110W	59	128.9	93.3	8.7	17.4	48.0	.	26.6
Northrup King N8565W	60	138.8	94.8	9.5	10.6	38.6	.	27.6
Northrup King X780W	61	142.1	95.7	9.0	10.9	45.2	.	22.8
Ohlde EX168W	62	121.7	91.4	3.1	8.4	36.7	.	27.5
Ohlde EX181W	63	145.5	90.5	8.9	9.0	39.8	.	30.1
Ohlde EX198W	64	142.4	95.2	13.0	10.5	44.1	.	24.9
ORO 200W	65	135.9	88.1	13.6	4.8	40.6	.	23.6
ORO EXP 209	66	142.2	92.9	10.9	9.2	39.8	.	23.8
ORO 206W [EXP 1013]	67	144.5	91.4	2.6	15.3	40.9	.	26.2
Pioneer Brand 3281W	68	151.7	95.2	11.5	4.0	37.8	.	25.5
Pioneer Brand 3287W	69	139.5	96.2	13.9	5.4	35.5	.	24.0
Seed Source USN 471	70	118.5	96.2	3.4	44.8	43.7	.	27.7
Seed Source USP 575	71	104.4	93.3	27.6	3.1	48.4	.	25.4
Sturdy Grow SG798W	72	163.3	94.8	9.0	9.6	41.3	.	23.6
Sturdy Grow SG909W	73	143.5	89.5	9.6	7.9	41.3	.	21.7
Sturdy Grow SG930W	74	136.8	92.9	5.7	12.3	37.0	.	27.2
Sturdy Grow EXP 28W	75	118.0	85.2	11.7	8.9	37.4	.	26.1
Sturdy Grow EXP 84W	76	126.8	91.4	2.6	6.8	34.7	.	25.5
Sturdy Grow EXP 169W	77	141.8	98.1	2.9	13.1	38.2	.	26.5
Taylor-Evans T-E 1166W	78	134.8	91.0	10.4	13.3	42.5	.	21.8
Taylor-Evans T-E 9007W	79	148.4	94.3	3.1	12.1	34.3	.	25.9
Taylor-Evans T-E EXP 2909W	80	126.1	90.5	8.4	11.1	36.7	.	27.0
Triumph 1910W	81	125.7	89.0	3.8	7.8	31.6	.	26.6
Triumph 1990W	82	137.3	92.4	6.6	18.8	42.1	.	26.8
Triumph TRX1829	83	146.5	92.9	11.4	6.2	44.5	.	23.4
Vineyard V58W	84	155.7	90.0	12.2	13.1	42.9	.	25.5
Vineyard V68W	85	135.9	93.8	16.5	16.3	47.2	.	25.9
Vineyard V424W	86	146.7	89.5	8.5	3.2	39.4	.	23.5
Vineyard V449W	87	150.9	90.0	5.9	9.5	40.2	.	23.6
Vineyard Vx4721W	88	131.8	92.4	59.8	4.6	49.1	.	23.0
Vineyard Vx4781W	89	150.9	94.8	17.3	12.9	45.6	.	22.4
Whisnand 51AW	90	143.8	92.9	17.4	21.2	48.0	.	23.4

Table 6. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	135.5	91.4	3.6	16.7	41.3	.	26.0
Whisnand 73W	92	157.3	94.3	5.0	19.7	46.4	.	23.7
Whisnand 74W	93	128.8	93.3	6.1	6.1	43.7	.	26.6
Whisnand 90AW	94	144.9	91.0	4.8	19.0	38.6	.	27.4
Whisnand 92AW	95	134.8	90.0	15.9	6.7	41.7	.	27.5
Wilson E4364	96	133.8	94.8	2.0	8.1	29.6	.	26.4
Wilson E14289	97	130.4	89.5	8.6	9.5	40.6	.	24.3
Wilson E14290	98	135.2	92.9	8.2	0.5	37.8	.	22.1
Wilson E14292	99	121.7	84.3	10.2	37.0	40.2	.	24.3
Wilson E14293	100	91.4	91.0	3.2	17.9	39.4	.	22.3
Wilson E14294	101	157.1	96.2	13.3	7.9	43.3	.	24.6
Zimmerman Z14W	102	120.1	91.0	21.3	11.3	44.1	.	26.8
Zimmerman Z16W	103	136.0	91.4	5.2	10.4	42.9	.	25.6
Zimmerman Z17W	104	106.8	91.4	5.3	13.4	41.7	.	26.1
Zimmerman Z54W	105	115.4	90.5	16.2	7.9	39.8	.	27.2
Zimmerman Z61W	106	127.2	93.3	6.6	7.2	48.0	.	25.9
Zimmerman Z63W	107	129.0	88.1	15.6	8.7	47.6	.	25.9
White check (K55×CI66)FR802W	108	89.2	83.3	9.3	17.0	45.2	.	26.9
Yellow check B73×Mo17	109	154.4	90.5	6.8	11.5	39.4	.	24.8
Yellow check Pioneer Brand 3320	110	141.3	92.9	9.8	32.4	39.0	.	26.2
Yellow check Pioneer Brand 3245	111	147.0	89.0	2.8	4.3	34.3	.	24.9
Mean		135.7	91.7	8.4	12.2	40.5	.	25.6
LSD 0.05		20.1	5.1	8.3	13.8	.		1.3
CV%		9.1	3.4	60.3	69.1	.		3.2

† Data from one replication.

Table 7. Yield and agronomic data from the 1992 White Food Corn Performance Test at Rossville, KS.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	188.4	93.2	0.5	3.7	47.0	73.7	22.4
AgriGold A6796W	2	189.1	93.2	0.0	4.6	46.0	74.0	22.4
AgriGold XA274W	3	192.1	88.5	0.0	1.0	40.7	72.0	22.5
AgriGold XA2201W	4	184.9	89.3	0.0	1.9	38.3	70.0	21.7
AgriGold XA3202W	5	183.9	99.6	0.0	0.9	46.3	74.3	21.9
AgriGold XA4004W	6	192.2	95.3	0.0	0.5	46.0	73.0	20.3
AgriPro AP543W	7	189.5	94.0	0.0	0.0	43.7	72.0	21.0
AgriPro AP728W	8	192.6	91.5	0.0	0.9	46.7	72.0	25.0
Asgrow RX956W	9	191.4	89.7	0.0	4.2	46.0	74.3	21.8
Asgrow RX959W	10	184.0	93.6	0.0	2.3	48.3	78.7	22.8
Asgrow RX943W	11	218.2	97.9	0.0	0.4	47.7	73.0	21.6
Asgrow X9651W	12	192.2	95.3	0.0	2.6	45.3	76.0	24.1
Asgrow RX795W	13	197.8	90.2	0.0	0.0	48.3	71.0	21.1
Asgrow XP9431W	14	203.1	91.9	0.0	1.4	42.0	72.0	21.7
Cargill 9100W	15	190.8	91.0	0.0	0.5	42.3	72.7	24.4
Cargill 9400W	16	200.3	90.6	0.0	1.1	50.3	74.3	22.6
Cargill 9402W	17	207.5	90.2	0.0	0.9	50.3	73.3	22.4
Cargill EXP 59300	18	197.4	95.7	0.0	0.9	42.7	71.0	20.1
Cargill EXP 59301	19	182.0	88.9	0.0	1.4	43.0	71.3	22.2
DeKalb Plant Genetics DK703W	20	189.0	91.9	0.0	1.4	40.7	72.0	20.9
DeKalb Plant Genetics EX1130338	21	194.6	91.5	0.0	0.0	46.0	71.7	18.9
Funk's G Brand 4592W	22	186.7	86.8	0.0	0.5	45.7	73.7	20.9
Funk's G Brand 4644W	23	186.9	91.5	0.0	2.3	47.0	73.0	22.3
Funk's G Brand 4652W	24	199.3	92.7	0.0	2.3	49.7	74.0	22.6
Funk's G Brand 4660W	25	206.3	93.2	0.0	0.0	45.0	73.0	22.9
Funk's G Brand EXP 5148W	26	188.9	95.7	0.0	0.0	44.0	71.3	20.6
Funk's G Brand EXP 6168W	27	177.8	88.0	0.0	0.0	39.0	69.3	22.0
ICI Seeds 8101W	28	184.1	92.3	0.0	1.8	48.7	73.7	22.4
ICI Seeds SC707W	29	177.9	88.0	0.0	1.0	45.3	73.0	22.9
GroAgri 4626	30	197.3	90.2	0.0	1.0	45.0	72.7	22.2
GroAgri 4627	31	192.7	91.5	0.0	0.5	46.7	72.3	23.4
Hoegemeyer 1125W	32	202.5	92.7	0.0	0.0	49.0	73.7	21.2
Hoegemeyer 1131W	33	204.9	97.0	0.0	0.0	48.0	71.7	20.7
Hoegemeyer 1142W	34	203.1	93.2	0.0	0.5	45.0	73.0	23.5
ICI Seeds 8320W	35	205.4	92.7	0.0	0.0	45.7	71.3	20.4
ICI Seeds 8122W	36	195.2	97.4	0.0	0.4	45.7	72.0	22.4
ICI Seeds N9163W	37	181.1	95.7	0.0	0.0	47.3	73.7	22.4
ICI Seeds N9300W	38	194.8	88.5	0.0	1.5	44.3	69.7	18.4
IFSI 88-6	39	192.6	94.9	0.0	1.4	43.7	72.0	24.5
IFSI 90-2	40	183.1	94.4	0.0	0.9	40.3	71.0	22.1
IFSI 90-3	41	181.0	94.0	0.0	0.5	45.3	73.7	22.1
IFSI 91-3	42	192.1	92.7	0.0	0.5	44.3	73.0	20.1
IFSI 91-4	43	190.0	89.3	0.0	1.0	48.3	73.7	22.2
IFSI 92-1	44	164.3	86.3	0.0	0.0	45.3	73.7	22.6
Jacques EXP 0114W	45	190.6	94.0	0.0	0.4	46.3	73.0	24.3

Table 7. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	194.0	94.4	0.0	0.0	44.3	73.0	19.8
Jacques EXP 213W	47	207.9	91.5	0.5	0.9	46.0	73.0	22.4
Jacques EXP 214W	48	185.8	96.6	0.0	0.0	44.0	71.3	20.7
Jacques EXP 215W	49	175.5	87.6	0.0	1.4	37.7	72.0	21.4
Jacques EXP 216W	50	187.5	94.0	0.0	0.0	42.3	73.0	22.7
NC+ 7161W	51	175.9	91.9	0.0	0.9	44.7	73.3	19.0
NC+ 8141W	52	187.1	97.9	0.0	1.3	47.7	73.7	22.5
NC+ X7663W	53	198.1	94.9	0.0	0.9	47.7	73.7	20.2
NobleBear NB710W	54	194.9	94.0	0.0	0.0	41.3	69.0	17.1
NobleBear NB739W	55	173.5	94.9	0.0	0.0	36.0	69.3	20.2
NobleBear NB742W	56	169.2	94.9	0.0	0.9	38.3	69.7	19.8
NobleBear NB747W	57	180.7	89.3	0.0	0.5	41.7	71.0	18.6
NobleBear NBX1320W	58	181.8	92.7	0.0	0.0	36.7	69.7	19.3
Northrup King N8110W	59	209.9	92.3	0.4	1.8	49.0	73.7	22.6
Northrup King N8565W	60	206.2	92.7	0.0	1.4	48.0	73.0	24.2
Northrup King X780W	61	195.5	92.3	0.0	1.0	45.0	73.0	22.1
Ohlde EX168W	62	191.6	96.2	0.0	0.9	42.3	73.0	24.1
Ohlde EX181W	63	182.4	94.9	0.0	1.4	41.7	71.3	22.3
Ohlde EX198W	64	191.4	90.2	0.0	1.4	43.7	70.7	21.2
ORO 200W	65	162.5	88.0	0.0	0.4	46.0	72.7	19.2
ORO EXP 209	66	204.6	95.3	0.0	0.0	46.3	72.3	20.6
ORO 206W [EXP 1013]	67	189.1	93.6	0.0	0.9	46.0	70.0	22.0
Pioneer Brand 3281W	68	199.7	96.2	0.0	1.3	43.7	73.0	19.5
Pioneer Brand 3287W	69	182.5	95.3	0.0	0.0	39.7	67.3	18.7
Seed Source USN 471	70	174.7	98.3	0.0	1.3	46.7	73.0	22.0
Seed Source USP 575	71	167.1	93.2	0.0	2.3	51.7	79.0	23.1
Sturdy Grow SG798W	72	180.1	92.3	0.0	0.4	46.0	73.0	20.5
Sturdy Grow SG909W	73	179.2	88.5	0.0	1.0	47.3	73.7	19.5
Sturdy Grow SG930W	74	194.5	89.3	0.0	0.9	42.3	73.7	23.2
Sturdy Grow EXP 28W	75	180.6	89.3	0.0	2.5	42.3	72.0	21.7
Sturdy Grow EXP 84W	76	188.8	95.3	0.0	0.0	37.3	72.3	21.6
Sturdy Grow EXP 169W	77	183.6	100.0	0.0	0.0	47.3	73.0	21.6
Taylor-Evans T-E 1166W	78	181.8	88.0	0.0	0.0	46.3	73.0	19.7
Taylor-Evans T-E 9007W	79	185.8	93.6	0.0	0.0	45.0	73.0	22.2
Taylor-Evans T-E EXP 2909W	80	186.0	95.3	0.0	0.5	43.3	73.0	22.6
Triumph 1910W	81	187.3	93.6	0.0	0.0	44.0	72.7	23.9
Triumph 1990W	82	198.7	91.5	0.0	2.3	47.7	74.3	22.5
Triumph TRX1829	83	182.6	95.3	0.0	0.5	46.7	71.7	20.4
Vineyard V58W	84	206.6	91.5	0.5	0.5	46.3	73.0	20.8
Vineyard V68W	85	197.4	100.9	0.0	0.4	45.3	72.7	21.9
Vineyard V424W	86	182.7	97.4	0.0	0.5	47.0	73.0	21.2
Vineyard V449W	87	192.6	96.6	0.0	0.0	38.7	72.3	20.2
Vineyard Vx4721W	88	189.1	96.6	0.0	0.9	51.3	73.0	22.3
Vineyard Vx4781W	89	183.6	98.3	0.0	0.4	46.7	73.7	22.6
Whisnand 51AW	90	184.1	96.6	0.0	0.4	43.0	70.7	21.2

Table 7. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	203.2	92.3	0.0	0.0	47.0	74.3	22.5
Whisnand 73W	92	185.3	94.4	0.0	1.8	48.3	73.7	22.5
Whisnand 74W	93	165.6	102.1	0.0	0.0	46.0	73.0	21.4
Whisnand 90AW	94	183.1	92.7	0.0	1.0	44.7	72.3	22.7
Whisnand 92AW	95	188.1	92.7	0.4	0.4	47.0	73.0	23.9
Wilson E4364	96	191.8	94.9	0.0	0.9	40.7	71.0	22.2
Wilson E14289	97	150.8	95.3	0.0	0.0	45.7	73.7	20.8
Wilson E14290	98	140.8	88.9	0.0	0.5	42.7	73.0	19.4
Wilson E14292	99	171.0	91.9	0.0	2.2	46.0	72.0	21.8
Wilson E14293	100	142.1	88.0	0.0	1.5	43.3	73.0	19.7
Wilson E14294	101	193.1	94.4	0.0	1.4	47.0	72.7	21.4
Zimmerman Z14W	102	187.0	97.0	0.0	0.0	45.0	76.3	24.1
Zimmerman Z16W	103	187.3	93.6	0.0	0.9	46.7	73.0	23.2
Zimmerman Z17W	104	172.0	97.0	0.0	0.0	46.7	74.7	21.8
Zimmerman Z54W	105	194.0	93.2	0.0	0.9	50.7	77.0	22.4
Zimmerman Z61W	106	181.3	95.3	0.0	0.4	46.0	74.3	20.6
Zimmerman Z63W	107	185.5	91.9	0.0	0.0	46.3	73.0	21.5
White check (K55×CI66)FR802W	108	185.6	91.0	0.0	0.0	51.7	76.0	23.3
Yellow check B73×Mo17	109	171.1	91.9	0.0	0.5	43.3	70.0	18.8
Yellow check Pioneer Brand 3320	110	188.7	91.0	0.0	1.4	42.7	73.0	18.2
Yellow check Pioneer Brand 3245	111	209.1	94.4	0.0	0.0	36.7	72.0	18.7
Mean		187.8	93.2	0.0	0.8	44.9	72.7	21.6
LSD 0.05		22.8	7.5	ns	2.0	5.5	1.7	1.7
CV%		7.4	4.9		147.5	7.5	1.5	4.7

Table 8. Yield and agronomic data from the 1992 White Food Corn Performance Test at Lexington, KY.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	215.6	100.0	0.0	1.9	50.0	72.0	22.4
AgriGold A6796W	2	195.2	100.0	0.0	3.2	45.5	74.0	22.5
AgriGold XA274W	3	205.9	100.0	0.0	0.9	40.9	70.7	21.7
AgriGold XA2201W	4	200.2	100.0	0.0	1.9	39.0	70.0	21.3
AgriGold XA3202W	5	183.6	100.0	0.0	1.9	47.4	73.3	21.3
AgriGold XA4004W	6	216.9	100.0	0.0	0.9	47.4	71.3	19.9
AgriPro AP543W	7	209.6	100.0	0.0	0.0	47.4	70.7	19.9
AgriPro AP728W	8	198.5	100.0	0.0	0.5	45.5	72.0	23.2
Asgrow RX956W	9	204.3	100.0	0.0	4.2	48.1	72.7	22.2
Asgrow RX959W	10	220.3	100.0	0.0	0.0	47.4	77.0	25.7
Asgrow RX943W	11	206.1	100.0	0.0	1.9	50.7	72.0	21.0
Asgrow X9651W	12	190.3	100.0	0.0	1.4	46.1	74.0	24.1
Asgrow RX795W	13	230.2	100.0	0.0	1.4	48.7	70.7	20.2
Asgrow XP9431W	14	208.6	100.0	0.0	1.9	38.3	70.0	21.9
Cargill 9100W	15	196.3	100.0	0.5	0.9	43.5	72.0	23.0
Cargill 9400W	16	202.5	100.0	0.5	2.3	44.8	72.7	22.0
Cargill 9402W	17	224.3	100.0	0.0	1.4	44.8	72.0	22.4
Cargill EXP 59300	18	209.4	100.0	0.0	0.0	50.0	71.3	19.7
Cargill EXP 59301	19	191.7	100.0	0.0	0.5	38.3	70.0	22.1
DeKalb Plant Genetics DK703W	20	214.2	100.0	0.0	0.5	43.5	72.0	20.3
DeKalb Plant Genetics EX1130338	21	209.7	100.0	0.0	4.2	48.1	70.7	20.3
Funk's G Brand 4592W	22	198.7	100.0	0.0	2.3	50.0	73.3	21.3
Funk's G Brand 4644W	23	214.4	100.0	0.0	4.2	45.5	72.0	22.2
Funk's G Brand 4652W	24	211.8	100.0	0.0	1.9	52.0	72.7	22.6
Funk's G Brand 4660W	25	199.2	100.0	0.0	0.9	46.1	72.0	21.8
Funk's G Brand EXP 5148W	26	204.6	100.0	0.0	0.5	50.0	70.0	20.2
Funk's G Brand EXP 6168W	27	206.7	100.0	0.0	1.9	38.3	70.0	21.9
ICI Seeds 8101W	28	205.1	100.0	0.0	1.4	46.8	73.7	22.1
ICI Seeds SC707W	29	212.4	100.0	0.0	1.4	46.8	71.3	23.2
GroAgri 4626	30	196.9	100.0	0.0	0.5	46.1	70.0	21.3
GroAgri 4627	31	205.1	100.0	0.0	0.0	41.6	71.3	21.2
Hoegemeyer 1125W	32	207.2	100.0	0.0	1.9	46.1	71.3	20.7
Hoegemeyer 1131W	33	204.2	100.0	0.0	2.3	49.4	71.3	20.0
Hoegemeyer 1142W	34	197.5	100.0	0.0	0.5	45.5	72.0	23.9
ICI Seeds 8320W	35	220.7	100.0	0.0	0.9	51.3	71.3	19.7
ICI Seeds 8122W	36	187.4	100.0	0.0	0.9	40.9	70.0	22.0
ICI Seeds N9163W	37	201.1	100.0	0.0	1.9	49.4	72.0	21.4
ICI Seeds N9300W	38	199.3	100.0	0.0	1.4	48.1	70.0	18.4
IFSI 88-6	39	191.9	100.0	0.0	1.4	41.6	71.3	23.3
IFSI 90-2	40	206.5	100.0	0.0	0.9	40.9	70.0	21.6
IFSI 90-3	41	207.2	100.0	0.0	0.5	46.8	72.0	21.4
IFSI 91-3	42	214.6	100.0	0.0	0.0	44.8	70.7	21.3
IFSI 91-4	43	213.9	100.0	0.0	3.2	49.4	72.0	21.5
IFSI 92-1	44	185.1	100.0	0.0	3.2	46.1	70.7	22.2
Jacques EXP 0114W	45	181.8	100.0	0.0	1.9	42.9	72.0	23.1

Table 8. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	221.4	100.0	0.0	0.9	44.2	70.7	18.9
Jacques EXP 213W	47	192.3	100.0	0.0	0.5	42.9	70.0	20.6
Jacques EXP 214W	48	193.7	100.0	0.0	1.4	44.2	71.3	21.3
Jacques EXP 215W	49	196.4	100.0	0.0	0.5	39.0	70.0	21.0
Jacques EXP 216W	50	201.0	100.0	0.0	1.4	44.2	70.7	21.9
NC+ 7161W	51	195.3	100.0	0.0	2.3	49.4	72.0	21.5
NC+ 8141W	52	210.5	100.0	0.0	4.6	46.8	72.0	22.7
NC+ X7663W	53	225.6	100.0	0.0	0.9	52.0	72.7	21.9
NobleBear NB710W	54	197.1	100.0	0.0	0.9	45.5	69.0	17.4
NobleBear NB739W	55	199.9	100.0	0.0	0.9	33.1	69.0	20.0
NobleBear NB742W	56	188.0	100.0	0.0	1.4	34.4	70.0	19.5
NobleBear NB747W	57	192.8	100.0	0.0	1.4	33.8	70.0	19.1
NobleBear NBX1320W	58	185.4	100.0	0.0	0.5	35.1	69.0	17.6
Northrup King N8110W	59	225.2	100.0	0.0	3.7	50.7	72.0	22.3
Northrup King N8565W	60	205.3	100.0	0.0	2.3	40.9	70.3	23.4
Northrup King X780W	61	211.2	100.0	0.0	0.9	46.8	72.0	20.1
Ohlde EX168W	62	201.0	100.0	0.0	1.9	40.9	72.0	23.5
Ohlde EX181W	63	192.0	100.0	0.0	0.9	45.5	70.0	20.9
Ohlde EX198W	64	223.2	100.0	0.0	1.9	48.4	72.0	20.4
ORO 200W	65	200.7	100.0	0.0	1.4	44.8	71.3	20.0
ORO EXP 209	66	212.9	100.0	0.0	0.0	44.8	71.3	19.8
ORO 206W [EXP 1013]	67	185.9	100.0	0.0	3.7	45.5	70.0	21.5
Pioneer Brand 3281W	68	204.5	100.0	0.0	0.9	42.2	72.0	20.0
Pioneer Brand 3287W	69	175.0	100.0	0.0	0.0	38.3	68.0	20.0
Seed Source USN 471	70	184.0	100.0	0.0	4.6	46.8	72.0	22.6
Seed Source USP 575	71	171.1	100.0	0.0	2.3	52.6	77.0	27.0
Sturdy Grow SG798W	72	221.5	100.0	0.0	1.9	46.8	70.0	20.2
Sturdy Grow SG909W	73	197.0	100.0	0.0	2.8	46.8	72.0	18.8
Sturdy Grow SG930W	74	198.1	100.0	0.0	0.5	47.4	72.7	23.3
Sturdy Grow EXP 28W	75	182.4	100.0	0.0	3.7	41.6	70.0	21.5
Sturdy Grow EXP 84W	76	196.5	100.0	0.0	0.5	40.9	69.0	21.0
Sturdy Grow EXP 169W	77	197.8	100.0	0.0	0.0	48.1	72.0	20.9
Taylor-Evans T-E 1166W	78	199.4	100.0	0.0	2.8	49.4	72.7	20.0
Taylor-Evans T-E 9007W	79	184.3	100.0	0.0	1.4	46.1	70.7	21.3
Taylor-Evans T-E EXP 2909W	80	188.6	100.0	0.0	2.3	44.8	70.7	22.5
Triumph 1910W	81	204.3	100.0	0.0	1.4	44.8	71.3	22.2
Triumph 1990W	82	217.9	100.0	0.0	0.5	47.4	72.7	22.4
Triumph TRX1829	83	213.0	100.0	0.0	0.0	44.2	70.0	19.2
Vineyard V58W	84	211.4	100.0	0.0	1.4	47.4	71.3	20.9
Vineyard V68W	85	216.2	100.0	0.0	1.9	47.7	72.0	21.5
Vineyard V424W	86	194.2	100.0	0.0	0.9	45.5	70.0	18.9
Vineyard V449W	87	192.9	100.0	0.0	1.4	44.2	70.0	20.5
Vineyard Vx4721W	88	211.8	100.0	0.9	3.7	45.5	72.7	21.8
Vineyard Vx4781W	89	193.3	100.0	0.0	0.9	50.7	72.0	22.3
Whisnand 51AW	90	209.9	100.0	0.0	1.4	48.1	70.7	19.8

Table 8. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	216.7	100.0	0.0	1.9	48.1	72.7	21.9
Whisnand 73W	92	196.5	100.0	0.0	4.6	48.1	72.7	22.3
Whisnand 74W	93	219.1	100.0	0.0	0.5	42.2	72.7	21.6
Whisnand 90AW	94	201.6	100.0	0.0	2.3	44.8	70.0	22.0
Whisnand 92AW	95	183.8	100.0	0.0	0.9	42.9	72.0	22.9
Wilson E4364	96	215.3	100.0	0.0	1.9	40.3	70.0	21.6
Wilson E14289	97	170.2	100.0	0.0	0.5	44.8	71.3	20.3
Wilson E14290	98	171.8	100.0	0.0	1.4	43.5	70.7	19.2
Wilson E14292	99	164.0	100.0	0.0	12.5	48.1	72.7	19.2
Wilson E14293	100	154.1	100.0	0.0	1.9	43.5	72.0	19.6
Wilson E14294	101	203.2	100.0	0.0	2.3	49.4	70.7	19.1
Zimmerman Z14W	102	214.0	100.0	0.0	2.8	48.1	73.3	22.9
Zimmerman Z16W	103	193.1	100.0	0.0	0.9	42.9	72.0	21.7
Zimmerman Z17W	104	190.4	100.0	0.0	0.9	48.7	74.0	21.2
Zimmerman Z54W	105	205.4	100.0	0.0	1.4	48.1	73.3	23.4
Zimmerman Z61W	106	208.1	100.0	0.0	1.4	50.7	73.3	21.0
Zimmerman Z63W	107	214.6	100.0	0.0	1.9	50.0	73.3	22.2
White check (K55 × CI66)FR802W	108	194.4	100.0	0.0	4.6	48.7	74.0	22.2
Yellow check B73 × Mo17	109	201.5	100.0	0.0	0.0	43.5	70.0	18.0
Yellow check Pioneer Brand 3320	110	212.3	100.0	0.0	2.8	43.5	71.3	19.7
Yellow check Pioneer Brand 3245	111	220.6	100.0	0.0	0.5	39.0	70.0	18.9
Mean		201.6	100.0	0.0	1.7	45.3	71.5	21.3
LSD 0.05		20.7	ns	ns	3.0	5.6	1.5	1.3
CV%		6.3			107.8	7.6	1.3	3.6

Table 9. Yield and agronomic data from the 1992 White Food Corn Performance Test at Columbia, MO.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	187.5	91.7	0.7	2.8	48.0	76.3	24.7
AgriGold A6796W	2	191.0	98.1	1.9	5.2	49.7	76.0	24.1
AgriGold XA274W	3	174.7	95.5	0.0	1.4	45.1	74.0	23.5
AgriGold XA2201W	4	187.0	90.4	0.7	0.7	40.2	73.7	23.3
AgriGold XA3202W	5	180.9	96.8	0.0	1.3	49.1	76.3	23.1
AgriGold XA4004W	6	190.0	85.9	0.0	4.2	50.6	76.0	20.8
AgriPro AP543W	7	176.0	91.7	1.3	6.5	49.8	75.7	20.1
AgriPro AP728W	8	166.7	96.2	0.0	4.7	46.7	75.0	21.6
Asgrow RX956W	9	167.5	92.9	0.7	4.1	48.2	75.7	23.9
Asgrow RX959W	10	225.1	86.5	1.4	5.7	51.3	82.0	21.5
Asgrow RX943W	11	176.1	96.8	0.0	0.7	51.9	75.3	23.2
Asgrow X9651W	12	172.3	93.6	0.0	2.8	49.1	79.7	23.0
Asgrow RX795W	13	173.0	84.6	0.8	4.3	49.4	76.0	20.3
Asgrow XP9431W	14	180.0	91.0	0.7	1.5	39.4	72.3	24.6
Cargill 9100W	15	172.6	92.9	0.0	0.0	46.3	73.3	24.9
Cargill 9400W	16	179.1	89.1	0.0	2.1	48.2	76.0	24.7
Cargill 9402W	17	194.7	95.5	0.0	2.6	49.3	76.3	21.1
Cargill EXP 59300	18	178.0	91.0	0.0	2.8	49.3	73.7	20.2
Cargill EXP 59301	19	175.1	97.4	0.0	3.2	40.9	73.0	22.4
DeKalb Plant Genetics DK703W	20	184.1	96.2	1.3	0.0	46.3	73.0	22.3
DeKalb Plant Genetics EX1130338	21	171.1	89.1	2.1	5.0	52.8	73.0	21.8
Funk's G Brand 4592W	22	174.5	82.7	0.0	3.2	48.2	77.3	20.9
Funk's G Brand 4644W	23	192.2	85.9	0.0	2.2	47.4	77.0	25.9
Funk's G Brand 4652W	24	197.1	91.7	0.0	3.5	51.2	76.3	21.9
Funk's G Brand 4660W	25	177.1	98.7	0.0	5.8	50.4	76.0	24.2
Funk's G Brand EXP 5148W	26	173.8	97.4	0.6	3.3	50.0	75.3	20.1
Funk's G Brand EXP 6168W	27	178.6	96.8	0.0	0.6	40.7	72.7	26.2
ICI Seeds 8101W	28	165.7	89.1	0.0	2.8	49.9	76.0	24.9
ICI Seeds SC707W	29	176.6	89.1	0.0	2.8	47.3	74.7	20.8
GroAgri 4626	30	157.3	93.6	0.7	5.1	41.7	73.7	24.1
GroAgri 4627	31	180.3	94.2	0.0	2.7	39.6	72.7	22.0
Hoegemeyer 1125W	32	194.9	96.2	0.7	7.2	51.2	75.3	21.1
Hoegemeyer 1131W	33	182.5	93.6	0.0	4.1	47.8	73.7	20.8
Hoegemeyer 1142W	34	173.3	98.1	0.0	1.9	43.9	75.3	23.5
ICI Seeds 8320W	35	172.6	99.4	1.3	9.1	49.7	76.0	20.0
ICI Seeds 8122W	36	171.5	91.0	0.0	0.6	44.6	73.3	24.3
ICI Seeds N9163W	37	185.2	97.4	0.0	2.6	50.3	77.3	23.6
ICI Seeds N9300W	38	176.1	94.2	2.1	2.1	49.7	73.0	21.0
IFSI 88-6	39	206.8	96.2	1.3	3.3	45.5	76.0	20.5
IFSI 90-2	40	182.6	92.9	0.7	2.0	36.8	71.7	25.3
IFSI 90-3	41	177.0	94.2	1.4	5.5	45.4	76.3	23.4
IFSI 91-3	42	173.3	96.8	0.0	1.3	45.2	72.7	22.9
IFSI 91-4	43	182.7	93.6	0.0	4.0	50.4	75.3	24.0
IFSI 92-1	44	162.8	80.8	0.8	5.0	47.4	74.0	23.8
Jacques EXP 0114W	45	181.3	95.5	0.0	4.0	43.5	73.3	21.1

Table 9. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	172.3	89.7	2.2	4.3	49.8	74.0	21.4
Jacques EXP 213W	47	173.2	91.7	0.0	7.0	49.9	76.0	22.6
Jacques EXP 214W	48	169.1	98.7	0.0	3.8	48.5	74.0	21.9
Jacques EXP 215W	49	162.2	84.6	0.7	1.7	38.0	71.7	23.4
Jacques EXP 216W	50	171.9	96.8	1.3	2.0	45.0	74.3	25.7
NC+ 7161W	51	199.0	88.5	0.0	2.2	48.1	77.7	21.7
NC+ 8141W	52	173.7	98.7	0.0	6.4	48.2	76.0	25.5
NC+ X7663W	53	188.9	90.4	2.1	5.6	49.8	79.0	23.1
NobleBear NB710W	54	172.7	87.2	0.0	8.3	43.0	71.7	19.4
NobleBear NB739W	55	167.3	85.3	0.0	0.8	31.8	71.0	22.0
NobleBear NB742W	56	166.4	89.1	0.0	5.7	32.8	70.0	22.6
NobleBear NB747W	57	156.1	95.5	1.3	3.4	34.6	71.7	21.7
NobleBear NBX1320W	58	177.6	94.9	0.0	2.8	34.6	70.3	20.9
Northrup King N8110W	59	190.1	91.0	0.0	6.9	52.0	77.3	24.6
Northrup King N8565W	60	193.5	92.9	0.0	0.6	45.9	75.3	21.0
Northrup King X780W	61	169.9	98.1	0.0	2.6	47.7	75.3	21.5
Ohlde EX168W	62	178.7	95.5	0.0	5.1	45.1	75.0	22.1
Ohlde EX181W	63	164.7	92.9	0.0	4.0	45.4	73.7	24.2
Ohlde EX198W	64	143.3	98.7	0.6	7.8	51.3	74.7	20.0
ORO 200W	65	171.3	91.7	0.0	2.6	41.7	77.7	22.3
ORO EXP 209	66	169.8	91.7	0.0	0.7	48.2	75.0	21.1
ORO 206W [EXP 1013]	67	164.9	96.8	0.6	8.2	44.2	72.3	23.7
Pioneer Brand 3281W	68	176.4	94.9	0.7	3.5	43.7	74.3	21.1
Pioneer Brand 3287W	69	157.0	94.9	0.0	2.0	39.8	71.3	20.7
Seed Source USN 471	70	166.5	94.9	0.8	4.7	48.6	77.3	24.5
Seed Source USP 575	71	206.3	93.6	4.3	3.4	54.7	80.0	20.8
Sturdy Grow SG798W	72	178.9	94.9	0.0	6.0	48.7	75.3	21.0
Sturdy Grow SG909W	73	169.6	87.2	0.0	3.5	48.6	76.3	21.3
Sturdy Grow SG930W	74	193.7	96.8	0.0	3.2	46.0	75.7	20.9
Sturdy Grow EXP 28W	75	172.0	91.7	0.0	7.8	44.8	73.7	24.0
Sturdy Grow EXP 84W	76	162.1	98.7	0.0	4.5	39.4	71.7	23.1
Sturdy Grow EXP 169W	77	187.3	96.2	0.0	1.3	46.7	74.7	23.3
Taylor-Evans T-E 1166W	78	164.2	94.2	2.7	8.8	52.1	78.0	23.2
Taylor-Evans T-E 9007W	79	170.0	93.6	0.0	6.3	42.0	73.7	23.4
Taylor-Evans T-E EXP 2909W	80	173.8	98.7	0.0	1.9	44.1	73.0	24.3
Triumph 1910W	81	180.5	96.8	0.0	2.7	43.7	73.0	23.5
Triumph 1990W	82	179.9	92.9	0.0	5.3	47.3	75.3	24.7
Triumph TRX1829	83	177.7	94.2	0.6	0.6	48.2	72.7	20.2
Vineyard V58W	84	174.0	92.9	1.5	4.9	50.3	75.7	21.6
Vineyard V68W	85	182.9	96.2	2.6	2.7	51.2	78.0	22.9
Vineyard V424W	86	169.9	92.9	0.0	2.0	49.9	74.0	21.2
Vineyard V449W	87	174.7	94.2	0.0	1.4	40.8	73.7	21.2
Vineyard Vx4721W	88	166.9	100.0	3.8	4.5	52.1	76.0	21.7
Vineyard Vx4781W	89	155.2	99.4	0.6	15.5	47.8	77.0	25.2
Whisnand 51AW	90	181.6	88.5	0.0	3.5	50.2	75.0	20.1

Table 9. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	190.2	97.4	0.7	8.5	51.7	78.0	24.2
Whisnand 73W	92	179.7	97.4	0.7	6.5	49.7	77.3	24.1
Whisnand 74W	93	183.5	94.9	0.0	2.0	48.9	76.7	23.6
Whisnand 90AW	94	164.1	92.3	0.7	1.5	43.8	75.0	24.3
Whisnand 92AW	95	181.1	98.1	0.0	1.3	45.9	74.3	21.4
Wilson E4364	96	168.0	94.2	0.0	0.0	39.5	72.0	23.9
Wilson E14289	97	169.1	90.4	0.0	2.8	46.4	76.0	23.3
Wilson E14290	98	166.0	89.1	1.4	3.6	45.1	76.7	22.0
Wilson E14292	99	170.4	82.1	2.3	4.7	48.4	78.3	24.1
Wilson E14293	100	138.7	91.7	2.0	8.7	40.7	74.7	22.2
Wilson E14294	101	178.9	86.5	1.5	5.9	47.4	74.7	21.0
Zimmerman Z14W	102	167.2	96.8	0.0	15.6	49.4	79.0	22.9
Zimmerman Z16W	103	168.0	94.2	0.0	1.4	47.6	75.3	23.3
Zimmerman Z17W	104	187.5	98.1	0.0	4.6	50.0	79.3	22.1
Zimmerman Z54W	105	187.6	93.6	0.7	4.8	48.7	79.3	23.9
Zimmerman Z61W	106	174.8	91.0	0.0	5.6	47.3	77.3	21.5
Zimmerman Z63W	107	181.1	89.1	0.0	6.5	51.6	78.7	21.6
White check (K55×CI66)FR802W	108	185.4	87.8	0.8	9.9	51.3	79.7	24.4
Yellow check B73×Mo17	109	155.5	94.2	2.0	9.5	45.5	73.3	19.9
Yellow check Pioneer Brand 3320	110	174.8	86.5	2.7	0.7	43.4	76.0	21.3
Yellow check Pioneer Brand 3245	111	188.2	93.6	0.7	1.4	37.8	74.3	20.4
Mean		176.4	93.1	0.6	4.0	46.5	75.2	22.6
LSD 0.05		24.2	9.3	ns	5.8	3.7	2.4	2.4
CV%		8.4	6.1		88.4	4.9	1.9	6.5

Table 10. Yield and agronomic data from the 1992 White Food Corn Performance Test at Novelty, MO.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	211.0	100.0	0.0	3.5	40.9	.	19.3
AgriGold A6796W	2	200.2	100.0	1.4	4.2	39.6	.	21.0
AgriGold XA274W	3	205.2	100.0	0.0	4.9	38.3	.	20.3
AgriGold XA2201W	4	169.3	95.1	0.0	2.1	28.6	.	19.7
AgriGold XA3202W	5	205.1	100.0	0.0	0.7	38.3	.	19.7
AgriGold XA4004W	6	176.8	93.1	0.0	1.4	39.0	.	24.1
AgriPro AP543W	7	188.1	97.9	0.0	2.9	40.9	.	24.0
AgriPro AP728W	8	185.3	99.3	0.0	1.4	33.8	.	22.4
Asgrow RX956W	9	198.0	100.0	0.0	3.5	39.0	.	22.6
Asgrow RX959W	10	196.4	100.0	0.0	2.1	42.9	.	29.6
Asgrow RX943W	11	190.5	95.1	0.0	1.4	41.6	.	21.4
Asgrow X9651W	12	191.2	99.3	0.0	1.4	38.3	.	23.3
Asgrow RX795W	13	174.2†	99.3	0.0	2.8	37.7	.	22.4†
Asgrow XP9431W	14	156.2	95.1	0.0	1.5	27.3	.	21.9
Cargill 9100W	15	171.7	100.0	0.0	1.4	35.7	.	23.9
Cargill 9400W	16	197.4	97.2	0.0	2.8	40.3	.	20.8
Cargill 9402W	17	204.2	96.5	0.0	1.6	35.7	.	21.9
Cargill EXP 59300	18	190.5	95.8	0.0	1.4	38.3	.	24.0
Cargill EXP 59301	19	172.3	95.8	0.0	1.4	28.6	.	21.5
DeKalb Plant Genetics DK703W	20	176.1	97.9	2.1	1.4	37.0	.	24.6
DeKalb Plant Genetics EX1130338	21	187.0	98.6	0.0	3.5	40.3	.	23.6
Funk's G Brand 4592W	22	198.4	99.3	0.0	1.4	40.9	.	23.7
Funk's G Brand 4644W	23	204.3	93.7	0.0	4.4	37.0	.	21.0
Funk's G Brand 4652W	24	229.5	98.6	0.0	0.7	41.6	.	21.4
Funk's G Brand 4660W	25	197.5	97.2	0.7	2.1	37.0	.	22.1
Funk's G Brand EXP 5148W	26	182.1	93.7	0.0	1.6	40.9	.	23.7
Funk's G Brand EXP 6168W	27	165.5	97.2	0.0	0.7	29.2	.	22.1
ICI Seeds 8101W	28	192.2	97.2	0.7	2.8	39.6	.	22.1
ICI Seeds SC707W	29	207.8	100.0	1.4	0.0	38.3	.	21.8
GroAgri 4626	30	193.9	97.2	0.0	1.4	34.4	.	21.3
GroAgri 4627	31	185.2	95.8	0.0	1.4	29.2	.	22.8
Hoegemeyer 1125W	32	196.6	100.0	0.0	1.4	35.7	.	25.8
Hoegemeyer 1131W	33	177.2	93.1	0.0	3.0	39.0	.	23.6
Hoegemeyer 1142W	34	178.9	100.0	0.0	0.7	33.1	.	21.5
ICI Seeds 8320W	35	193.7	100.0	0.0	0.7	37.7	.	23.5
ICI Seeds 8122W	36	214.1	99.3	0.0	0.0	36.4	.	20.0
ICI Seeds N9163W	37	206.5	100.0	0.0	1.4	40.9	.	20.6
ICI Seeds N9300W	38	178.7	96.5	0.0	0.0	38.3	.	22.6
IFSI 88-6	39	181.5	100.0	0.0	0.7	33.8	.	23.3
IFSI 90-2	40	161.8	100.0	0.0	4.2	26.6	.	21.9
IFSI 90-3	41	170.5	99.3	0.0	2.8	35.1	.	20.4
IFSI 91-3	42	163.2	100.0	0.0	2.1	33.8	.	23.7
IFSI 91-4	43	200.8	97.9	0.0	0.7	36.4	.	23.2
IFSI 92-1	44	159.7	97.2	0.0	2.8	35.7	.	21.1
Jacques EXP 0114W	45	190.5	95.8	0.0	3.6	32.5	.	21.6

Table 10. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	185.9	93.1	0.0	2.9	39.6	.	24.5
Jacques EXP 213W	47	180.4	95.1	2.9	3.7	41.6	.	21.8
Jacques EXP 214W	48	175.7	99.3	0.0	1.4	39.0	.	25.1
Jacques EXP 215W	49	169.6	96.5	0.0	3.6	29.9	.	23.2
Jacques EXP 216W	50	186.6	95.8	0.0	2.1	33.8	.	18.9
NC+ 7161W	51	190.7	93.7	0.0	0.8	38.3	.	23.2
NC+ 8141W	52	192.4	100.0	0.0	3.5	39.0	.	23.3
NC+ X7663W	53	227.0	100.0	0.0	1.4	41.6	.	21.2
NobleBear NB710W	54	182.9	100.0	0.7	2.1	33.1	.	21.0
NobleBear NB739W	55	152.0	95.1	2.1	3.8	25.3	.	24.0
NobleBear NB742W	56	166.1	100.0	0.0	2.8	26.6	.	23.2
NobleBear NB747W	57	164.9	98.6	0.0	4.3	27.9	.	24.0
NobleBear NBX1320W	58	161.9	100.0	0.0	0.7	25.3	.	20.0
Northrup King N8110W	59	204.3	100.0	0.0	4.2	39.6	.	22.4
Northrup King N8565W	60	178.3	92.4	1.6	0.8	33.8	.	22.7
Northrup King X780W	61	181.9	89.6	0.0	2.3	38.3	.	23.9
Ohlde EX168W	62	196.3	100.0	0.0	2.8	32.5	.	21.5
Ohlde EX181W	63	210.6	100.0	0.0	0.7	37.7	.	20.1
Ohlde EX198W	64	186.7	99.3	0.0	1.4	38.3	.	23.4
ORO 200W	65	179.8	97.9	0.0	4.9	35.1	.	23.8
ORO EXP 209	66	185.8	98.6	0.0	2.1	39.6	.	24.0
ORO 206W [EXP 1013]	67	207.4	95.1	0.0	0.7	33.1	.	18.5
Pioneer Brand 3281W	68	185.6	97.9	0.0	1.4	33.8	.	25.0
Pioneer Brand 3287W	69	157.9	100.0	1.4	2.1	28.6	.	22.3
Seed Source USN 471	70	158.8	94.4	1.5	5.1	39.6	.	19.5
Seed Source USP 575	71	190.2	100.0	2.8	0.0	44.8	.	26.6
Sturdy Grow SG798W	72	195.5	99.3	1.4	1.4	37.7	.	22.7
Sturdy Grow SG909W	73	154.5	93.7	0.7	4.4	37.0	.	23.8
Sturdy Grow SG930W	74	187.2	93.7	0.0	0.7	37.0	.	24.3
Sturdy Grow EXP 28W	75	185.4	97.9	0.0	5.0	35.7	.	23.4
Sturdy Grow EXP 84W	76	158.5	100.0	0.0	2.8	29.2	.	24.9
Sturdy Grow EXP 169W	77	182.5	99.3	0.0	0.7	37.0	.	23.0
Taylor-Evans T-E 1166W	78	209.7	95.1	0.0	3.6	42.2	.	22.0
Taylor-Evans T-E 9007W	79	200.5	97.2	0.0	3.6	37.0	.	22.1
Taylor-Evans T-E EXP 2909W	80	191.8	99.3	0.0	2.8	35.1	.	21.8
Triumph 1910W	81	188.6	99.3	0.0	0.7	33.8	.	23.2
Triumph 1990W	82	218.0	99.3	0.0	2.1	39.6	.	21.0
Triumph TRX1829	83	161.9	100.0	0.0	0.0	40.9	.	24.0
Vineyard V58W	84	189.7	98.6	0.0	2.8	38.3	.	23.8
Vineyard V68W	85	212.4	98.6	0.7	2.1	37.7	.	22.6
Vineyard V424W	86	153.3	98.6	0.0	1.4	36.4	.	24.0
Vineyard V449W	87	175.8	97.9	0.0	1.4	36.4	.	25.5
Vineyard Vx4721W	88	199.3	99.3	9.8	0.0	45.5	.	23.3
Vineyard Vx4781W	89	217.4	99.3	0.0	3.5	39.6	.	20.6
Whisnand 51AW	90	184.5	99.3	0.0	0.7	38.3	.	22.8

Table 10. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	215.8	98.6	0.0	3.5	39.0	.	19.7
Whisnand 73W	92	212.5	99.3	0.0	1.4	40.3	.	21.2
Whisnand 74W	93	188.9	93.1	0.0	0.8	37.0	.	19.5
Whisnand 90AW	94	190.6	93.1	0.0	2.8	35.1	.	19.9
Whisnand 92AW	95	190.4	99.3	0.0	0.0	35.1	.	22.4
Wilson E4364	96	177.5	96.5	0.0	2.1	27.3	.	19.9
Wilson E14289	97	200.9	100.0	0.0	2.8	40.3	.	22.6
Wilson E14290	98	170.8	98.6	0.7	0.7	35.1	.	23.3
Wilson E14292	99	195.0	93.1	0.7	6.0	42.2	.	21.3
Wilson E14293	100	145.8	91.7	0.0	4.5	32.5	.	23.1
Wilson E14294	101	193.7	97.2	0.0	0.7	37.7	.	25.3
Zimmerman Z14W	102	216.5	98.6	0.7	3.5	42.2	.	21.7
Zimmerman Z16W	103	193.5	97.9	0.0	0.7	37.7	.	22.8
Zimmerman Z17W	104	163.6	100.0	0.0	0.0	39.0	.	24.5
Zimmerman Z54W	105	201.3	100.0	0.7	4.2	45.5	.	24.3
Zimmerman Z61W	106	208.5	98.6	0.7	0.7	39.6	.	20.8
Zimmerman Z63W	107	224.7	97.9	0.0	1.4	41.6	.	23.4
White check (K55×CI66)FR802W	108	187.2	98.6	0.0	3.6	40.9	.	22.2
Yellow check B73×Mo17	109	164.5	95.1	0.0	1.4	37.7	.	24.3
Yellow check Pioneer Brand 3320	110	173.2	95.1	0.0	2.3	35.1	.	24.1
Yellow check Pioneer Brand 3245	111	203.3	97.2	0.0	0.0	29.9	.	22.3
Mean		187.6	97.7	0.3	2.1	36.7	.	22.5
LSD 0.05		26.1	ns	1.5	ns	4.4		3.5
CV%		8.5		296.8		7.4		9.6

† Data from two replications.

Table 11. Yield and agronomic data from the 1992 White Food Corn Performance Test at Knoxville, TN.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower† (no)	Moist. (%)
AgriGold A6795W	1	208.7	94.7	0.0	0.0	49.3	80.0	23.7
AgriGold A6796W	2	210.7	96.7	0.0	0.0	47.6	79.7	23.3
AgriGold XA274W	3	192.5	94.7	0.0	0.7	45.8	79.0	23.0
AgriGold XA2201W	4	204.8	91.3	0.0	0.7	41.1	79.0	22.5
AgriGold XA3202W	5	217.1	92.0	0.0	0.0	46.4	82.0	23.7
AgriGold XA4004W	6	242.3	94.7	0.0	0.0	59.4	79.7	20.8
AgriPro AP543W	7	222.6	94.0	0.0	0.0	48.7	78.7	20.5
AgriPro AP728W	8	207.6	96.0	0.0	0.0	46.9	80.7	24.3
Asgrow RX956W	9	208.7	95.3	0.0	0.7	45.8	80.0	22.9
Asgrow RX959W	10	205.5	94.7	0.0	0.0	45.2	84.0	24.3
Asgrow RX943W	11	230.8	97.3	0.0	0.0	51.7	79.0	23.0
Asgrow X9651W	12	191.6	90.7	0.0	0.0	47.6	83.7	24.0
Asgrow RX795W	13	227.3	96.7	0.0	0.7	48.7	79.7	20.3
Asgrow XP9431W	14	221.1	95.3	0.0	0.0	44.1	78.7	22.6
Cargill 9100W	15	200.2	84.7	0.0	0.0	44.6	79.7	24.2
Cargill 9400W	16	216.8	84.7	0.0	2.0	45.8	79.7	23.0
Cargill 9402W	17	211.7	94.0	0.0	2.2	46.4	81.0	23.1
Cargill EXP 59300	18	225.7	95.3	0.0	0.0	52.3	79.7	20.7
Cargill EXP 59301	19	221.7	94.7	0.0	0.7	39.9	78.7	21.8
DeKalb Plant Genetics DK703W	20	205.7	96.0	0.0	0.0	45.8	79.7	21.8
DeKalb Plant Genetics EX1130338	21	202.4	86.0	0.0	0.7	48.7	79.7	22.2
Funk's G Brand 4592W	22	237.4	93.3	0.0	0.0	49.3	80.0	23.2
Funk's G Brand 4644W	23	204.7	99.3	0.0	0.0	47.6	80.0	23.6
Funk's G Brand 4652W	24	245.6	93.3	0.0	0.0	47.6	79.0	22.7
Funk's G Brand 4660W	25	217.6	95.3	0.0	0.0	47.6	80.0	23.7
Funk's G Brand EXP 5148W	26	222.8	96.0	0.0	0.0	52.3	79.7	20.4
Funk's G Brand EXP 6168W	27	209.4	92.7	0.0	0.0	42.2	79.0	22.3
ICI Seeds 8101W	28	223.2	96.7	0.0	0.7	48.7	79.0	22.9
ICI Seeds SC707W	29	218.2	92.0	0.0	0.0	48.7	79.0	23.4
GroAgri 4626	30	214.7	94.7	0.0	0.7	45.8	79.0	22.7
GroAgri 4627	31	204.8	96.0	0.0	0.0	44.6	78.7	24.1
Hoegemeyer 1125W	32	184.4	93.3	0.0	0.0	42.9	80.7	21.7
Hoegemeyer 1131W	33	223.5	94.0	0.0	0.0	51.7	79.0	21.2
Hoegemeyer 1142W	34	209.1	88.0	0.0	0.0	38.6	81.0	24.3
ICI Seeds 8320W	35	224.6	92.0	0.0	0.0	49.9	79.7	19.9
ICI Seeds 8122W	36	205.5	93.3	0.0	0.0	47.6	80.0	22.9
ICI Seeds N9163W	37	235.2	95.3	0.0	0.0	46.9	80.7	23.3
ICI Seeds N9300W	38	202.2	94.0	0.0	0.0	47.6	79.0	18.1
IFSI 88-6	39	210.5	99.3	0.0	0.0	42.2	79.7	24.2
IFSI 90-2	40	219.0	91.3	0.0	0.0	43.4	78.7	22.6
IFSI 90-3	41	214.8	102.0	0.0	0.0	45.8	79.7	23.0
IFSI 91-3	42	202.8	84.7	0.0	0.7	50.6	78.7	21.5
IFSI 91-4	43	232.0	97.3	0.0	0.0	51.1	80.0	21.8
IFSI 92-1	44	178.8	97.3	0.0	1.3	47.6	80.0	23.4
Jacques EXP 0114W	45	210.9	95.3	0.0	0.0	46.4	79.0	24.2

Table 11. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower† (no)	Moist. (%)
Jacques EXP 212W	46	222.7	94.0	0.0	0.0	50.6	79.7	21.2
Jacques EXP 213W	47	201.4	94.7	0.0	2.1	48.1	79.0	21.2
Jacques EXP 214W	48	197.5	94.7	0.0	0.0	48.1	78.7	20.7
Jacques EXP 215W	49	168.6	85.3	0.0	0.0	43.4	79.0	21.6
Jacques EXP 216W	50	195.6	96.0	0.0	0.0	46.4	79.7	23.7
NC+ 7161W	51	232.3	97.3	0.0	0.0	51.1	78.7	22.2
NC+ 8141W	52	215.6	93.3	0.0	0.0	48.7	80.0	23.4
NC+ X7663W	53	246.2	98.7	0.0	0.0	46.9	80.0	21.6
NobleBear NB710W	54	207.3	94.7	0.0	0.7	44.6	79.0	18.6
NobleBear NB739W	55	196.0	94.7	0.0	0.0	38.7	76.0	21.2
NobleBear NB742W	56	143.5	94.7	0.0	0.0	29.6	80.0	22.5
NobleBear NB747W	57	206.1	94.7	0.0	0.0	42.8	79.7	21.2
NobleBear NBX1320W	58	194.9	96.0	0.0	0.0	39.4	79.0	18.4
Northrup King N8110W	59	193.8	94.7	0.0	0.0	47.6	80.3	23.1
Northrup King N8565W	60	216.8	95.3	0.0	0.0	45.8	80.0	24.3
Northrup King X780W	61	213.6	94.7	0.0	1.4	49.9	79.0	22.4
Ohlde EX168W	62	201.7	93.3	0.0	0.7	45.8	79.0	24.2
Ohlde EX181W	63	201.8	94.0	0.0	1.4	49.3	80.0	22.7
Ohlde EX198W	64	227.2	94.7	0.0	0.7	51.1	79.7	20.4
ORO 200W	65	170.7	93.3	0.0	0.0	46.4	79.0	20.1
ORO EXP 209	66	225.0	96.7	0.0	0.0	51.1	79.0	20.6
ORO 206W [EXP 1013]	67	193.0	89.3	0.0	2.4	45.2	79.0	22.7
Pioneer Brand 3281W	68	230.8	95.3	0.0	0.0	48.7	81.0	22.3
Pioneer Brand 3287W	69	185.5	97.3	0.0	0.0	45.2	77.0	20.2
Seed Source USN 471	70	202.6	95.3	0.0	0.7	49.3	80.0	23.9
Seed Source USP 575	71	198.4	94.0	0.0	0.0	48.1	87.0	24.5
Sturdy Grow SG798W	72	218.6†	93.3	0.0	1.4	47.6	79.0	21.9†
Sturdy Grow SG909W	73	195.8	95.3	0.0	1.4	45.8	79.0	20.1
Sturdy Grow SG930W	74	198.2	96.0	0.0	0.0	46.4	80.0	24.0
Sturdy Grow EXP 28W	75	185.0	92.7	0.0	1.4	45.8	78.0	22.0
Sturdy Grow EXP 84W	76	196.8	96.7	0.0	0.0	42.9	79.7	23.8
Sturdy Grow EXP 169W	77	233.4	91.3	0.0	0.0	46.9	80.3	23.3
Taylor-Evans T-E 1166W	78	205.7	96.0	0.0	0.7	52.3	81.0	22.4
Taylor-Evans T-E 9007W	79	202.5	96.0	0.0	0.0	50.6	79.7	23.0
Taylor-Evans T-E EXP 2909W	80	198.6	94.7	0.0	0.0	43.4	79.7	23.9
Triumph 1910W	81	227.1	94.7	0.0	0.0	45.2	78.3	24.2
Triumph 1990W	82	212.1	96.0	0.0	0.0	45.2	80.3	23.7
Triumph TRX1829	83	220.0	97.3	0.0	0.0	46.4	78.3	19.6
Vineyard V58W	84	198.5	96.0	0.0	0.0	44.6	80.3	22.4
Vineyard V68W	85	209.3	98.0	0.0	0.0	52.3	79.7	23.3
Vineyard V424W	86	195.6	100.0	0.0	0.0	41.7	80.0	21.3
Vineyard V449W	87	219.5	91.3	0.0	1.4	42.9	79.7	20.6
Vineyard Vx4721W	88	229.9	90.7	0.0	0.0	51.7	80.3	23.1
Vineyard Vx4781W	89	200.6	93.3	0.0	1.4	49.3	79.7	24.0
Whisnand 51AW	90	221.8	91.3	0.0	0.0	49.9	80.0	20.8

Table 11. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower† (no)	Moist. (%)
Whisnand 73AW	91	216.6	95.3	0.0	0.0	49.3	80.0	23.4
Whisnand 73W	92	223.2	94.7	0.0	0.0	54.1	80.3	22.9
Whisnand 74W	93	220.5	92.0	0.0	0.0	46.9	81.7	23.5
Whisnand 90AW	94	188.3	95.3	0.0	0.0	48.1	79.0	23.2
Whisnand 92AW	95	197.1	96.0	0.0	0.0	39.8	81.0	24.2
Wilson E4364	96	219.5	95.3	0.0	0.0	41.7	78.0	21.9
Wilson E14289	97	195.8	97.3	0.0	0.0	48.7	79.7	21.1
Wilson E14290	98	163.3	93.3	0.0	0.0	45.8	79.7	21.6
Wilson E14292	99	168.9	96.7	0.0	2.0	50.6	78.0	19.5
Wilson E14293	100	142.9	92.0	0.0	2.9	44.6	79.0	19.4
Wilson E14294	101	195.3	91.3	0.0	2.0	45.8	78.0	22.3
Zimmerman Z14W	102	198.2	97.3	0.0	2.1	43.4	82.7	23.6
Zimmerman Z16W	103	195.6	96.0	0.0	1.3	45.8	81.0	23.4
Zimmerman Z17W	104	218.4	94.0	0.0	0.7	51.1	81.7	21.2
Zimmerman Z54W	105	209.2	97.3	0.0	0.0	47.6	81.7	22.6
Zimmerman Z61W	106	236.5	93.3	0.0	0.0	48.1	81.0	23.2
Zimmerman Z63W	107	233.9	92.7	0.0	0.0	48.7	81.7	22.0
White check (K55×CI66)FR802W	108	207.0	97.3	0.0	0.7	52.3	82.7	22.0
Yellow check B73×Mo17	109	181.9	92.7	0.0	0.0	45.2	79.0	19.1
Yellow check Pioneer Brand 3320	110	221.6	95.3	0.0	0.0	44.1	78.7	21.0
Yellow check Pioneer Brand 3245	111	235.6	95.3	0.0	0.0	44.6	79.0	21.3
Mean		208.6	94.4	0.0	0.4	46.8	79.8	22.3
LSD 0.05		24.4	ns	ns	ns	6.5	1.8	1.3
CV%		7.2				6.9	1.1	3.5

† Data from two replications.

Table 12. Yield and agronomic data from the 1992 White Food Corn Performance Test at Union City, TN.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	170.5	91.7	.	1.5	.	.	19.1
AgriGold A6796W	2	176.7	97.7	.	1.4	.	.	19.1
AgriGold XA274W	3	193.5	90.7	.	0.5	.	.	19.4
AgriGold XA2201W	4	175.7	94.4	.	1.4	.	.	18.7
AgriGold XA3202W	5	192.4	97.2	.	1.4	.	.	18.0
AgriGold XA4004W	6	179.0	93.1	.	2.1	.	.	17.2
AgriPro AP543W	7	201.6	86.1	.	1.2	.	.	17.1
AgriPro AP728W	8	187.3	93.5	.	0.5	.	.	21.4
Asgrow RX956W	9	173.7	92.6	.	1.0	.	.	18.7
Asgrow RX959W	10	173.3	93.1	.	1.0	.	.	20.6
Asgrow RX943W	11	181.7	96.3	.	1.4	.	.	17.9
Asgrow X9651W	12	168.3	93.5	.	1.9	.	.	20.2
Asgrow RX795W	13	178.9	94.0	.	3.5	.	.	17.1
Asgrow XP9431W	14	190.1	98.1	.	0.9	.	.	18.8
Cargill 9100W	15	165.0	86.1	.	0.5	.	.	20.8
Cargill 9400W	16	182.9	90.7	.	3.1	.	.	18.9
Cargill 9402W	17	187.2	91.7	.	3.1	.	.	19.6
Cargill EXP 59300	18	178.4	92.6	.	2.9	.	.	17.1
Cargill EXP 59301	19	178.9	93.1	.	0.5	.	.	18.7
DeKalb Plant Genetics DK703W	20	192.8	92.1	.	1.0	.	.	17.9
DeKalb Plant Genetics EX1130338	21	203.8	96.3	.	2.9	.	.	17.1
Funk's G Brand 4592W	22	202.6	86.6	.	1.1	.	.	17.4
Funk's G Brand 4644W	23	196.1	84.3	.	0.6	.	.	19.0
Funk's G Brand 4652W	24	179.7	91.7	.	3.6	.	.	17.8
Funk's G Brand 4660W	25	183.4	94.4	.	1.4	.	.	18.9
Funk's G Brand EXP 5148W	26	179.6	94.0	.	2.0	.	.	17.4
Funk's G Brand EXP 6168W	27	191.1	95.8	.	0.5	.	.	19.3
ICI Seeds 8101W	28	185.7	86.6	.	0.5	.	.	19.1
ICI Seeds SC707W	29	172.9	96.3	.	2.2	.	.	18.8
GroAgri 4626	30	183.9	92.1	.	2.0	.	.	19.3
GroAgri 4627	31	175.3	89.4	.	1.1	.	.	21.0
Hoegemeyer 1125W	32	183.6	95.8	.	0.0	.	.	17.9
Hoegemeyer 1131W	33	192.5	103.2	.	0.9	.	.	17.0
Hoegemeyer 1142W	34	178.0	93.1	.	0.0	.	.	21.3
ICI Seeds 8320W	35	197.4	89.8	.	0.0	.	.	17.1
ICI Seeds 8122W	36	193.7	97.2	.	1.5	.	.	19.5
ICI Seeds N9163W	37	189.3	93.1	.	1.0	.	.	17.7
ICI Seeds N9300W	38	179.5	94.4	.	5.5	.	.	16.2
IFSI 88-6	39	172.0	86.1	.	1.5	.	.	21.0
IFSI 90-2	40	177.1	90.3	.	1.1	.	.	18.6
IFSI 90-3	41	191.9	95.8	.	0.9	.	.	17.8
IFSI 91-3	42	175.2	100.9	.	0.5	.	.	17.3
IFSI 91-4	43	190.9	93.1	.	0.5	.	.	17.6
IFSI 92-1	44	168.0	98.6	.	0.5	.	.	19.3
Jacques EXP 0114W	45	174.8	95.4	.	0.5	.	.	20.7

Table 12. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	186.2	93.5	.	1.0	.	.	16.6
Jacques EXP 213W	47	175.6	99.5	.	2.8	.	.	17.8
Jacques EXP 214W	48	150.0	96.8	.	2.8	.	.	17.0
Jacques EXP 215W	49	166.2	92.6	.	0.5	.	.	18.2
Jacques EXP 216W	50	171.2	91.2	.	2.0	.	.	19.7
NC+ 7161W	51	183.8	93.1	.	1.9	.	.	16.6
NC+ 8141W	52	183.4	94.0	.	2.0	.	.	19.2
NC+ X7663W	53	216.1	97.7	.	1.4	.	.	18.2
NobleBear NB710W	54	170.9	97.7	.	2.8	.	.	15.7
NobleBear NB739W	55	157.7	89.8	.	0.0	.	.	17.8
NobleBear NB742W	56	162.3	92.6	.	0.5	.	.	17.7
NobleBear NB747W	57	162.5	92.6	.	0.5	.	.	17.3
NobleBear NBX1320W	58	153.1	90.3	.	0.0	.	.	16.1
Northrup King N8110W	59	191.9	95.4	.	2.0	.	.	19.0
Northrup King N8565W	60	184.5	93.1	.	0.9	.	.	21.4
Northrup King X780W	61	174.9	101.9	.	0.5	.	.	17.5
Ohlde EX168W	62	168.6	96.3	.	0.5	.	.	20.8
Ohlde EX181W	63	183.4	93.1	.	0.0	.	.	20.1
Ohlde EX198W	64	212.5	94.9	.	0.0	.	.	17.2
ORO 200W	65	168.3	89.8	.	2.1	.	.	16.8
ORO EXP 209	66	184.0	95.4	.	1.0	.	.	16.9
ORO 206W [EXP 1013]	67	188.3	94.0	.	0.0	.	.	18.7
Pioneer Brand 3281W	68	159.8	94.4	.	0.9	.	.	16.8
Pioneer Brand 3287W	69	174.6	95.4	.	0.0	.	.	17.4
Seed Source USN 471	70	162.9	97.2	.	1.9	.	.	19.8
Seed Source USP 575	71	190.3	91.2	.	0.5	.	.	21.3
Sturdy Grow SG798W	72	187.3	92.6	.	0.5	.	.	17.9
Sturdy Grow SG909W	73	172.2	92.1	.	1.0	.	.	17.6
Sturdy Grow SG930W	74	177.3	95.4	.	1.0	.	.	20.8
Sturdy Grow EXP 28W	75	175.5	93.1	.	1.0	.	.	19.0
Sturdy Grow EXP 84W	76	144.6	91.7	.	2.0	.	.	18.5
Sturdy Grow EXP 169W	77	189.8	98.6	.	0.0	.	.	18.1
Taylor-Evans T-E 1166W	78	180.6	95.4	.	2.4	.	.	19.0
Taylor-Evans T-E 9007W	79	179.3	96.3	.	1.9	.	.	19.4
Taylor-Evans T-E EXP 2909W	80	168.1	95.8	.	1.0	.	.	20.0
Triumph 1910W	81	170.4	95.8	.	0.9	.	.	20.5
Triumph 1990W	82	192.9	94.9	.	1.1	.	.	19.6
Triumph TRX1829	83	190.9	94.9	.	2.4	.	.	16.8
Vineyard V58W	84	185.4	93.5	.	0.5	.	.	18.0
Vineyard V68W	85	189.2	95.8	.	1.0	.	.	18.8
Vineyard V424W	86	162.1	90.7	.	2.0	.	.	16.9
Vineyard V449W	87	164.4	93.5	.	2.5	.	.	17.3
Vineyard Vx4721W	88	167.4	96.3	.	3.9	.	.	17.4
Vineyard Vx4781W	89	198.1	99.1	.	2.3	.	.	20.0
Whisnand 51AW	90	198.6	98.1	.	1.0	.	.	17.6

Table 12. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	195.3	95.8	.	2.8	.	.	19.4
Whisnand 73W	92	160.7	97.2	.	0.9	.	.	18.7
Whisnand 74W	93	186.7	95.4	.	1.0	.	.	17.9
Whisnand 90AW	94	182.4	95.4	.	1.9	.	.	19.5
Whisnand 92AW	95	175.4	94.9	.	2.0	.	.	21.4
Wilson E4364	96	172.6	93.1	.	1.0	.	.	18.9
Wilson E14289	97	121.4	92.6	.	2.5	.	.	16.4
Wilson E14290	98	148.2	97.7	.	0.5	.	.	16.7
Wilson E14292	99	136.3	88.9	.	10.0	.	.	17.3
Wilson E14293	100	142.9	96.3	.	3.4	.	.	16.6
Wilson E14294	101	165.7	96.8	.	0.9	.	.	16.8
Zimmerman Z14W	102	188.8	100.5	.	2.4	.	.	19.1
Zimmerman Z16W	103	190.8	100.9	.	0.0	.	.	19.0
Zimmerman Z17W	104	187.2	100.9	.	3.2	.	.	17.6
Zimmerman Z54W	105	201.9	90.3	.	1.1	.	.	18.0
Zimmerman Z61W	106	202.4	93.1	.	0.0	.	.	17.0
Zimmerman Z63W	107	200.5	95.8	.	1.4	.	.	17.8
White check (K55 × CI66)FR802W	108	172.4	89.4	.	5.2	.	.	19.0
Yellow check B73 × Mo17	109	177.9	88.4	.	0.5	.	.	16.4
Yellow check Pioneer Brand 3320	110	181.3	88.4	.	0.0	.	.	17.2
Yellow check Pioneer Brand 3245	111	215.9	92.6	.	0.5	.	.	16.8
Mean		179.5	94.0	.	1.5	.	.	18.4
LSD 0.05		19.3	8.5		2.7			0.9
CV%		6.6	5.5		115.6			3.1

Table 13. Yield and agronomic data from the 1992 White Food Corn Performance Test at College Station, TX.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	90.3	71.3	0.0	13.5	40.0	80.3	13.9
AgriGold A6796W	2	110.6	90.8	0.0	2.0	36.7	80.0	13.9
AgriGold XA274W	3	119.7	85.1	0.0	0.0	36.3	78.3	14.1
AgriGold XA2201W	4	109.6	91.4	0.0	0.0	34.0	77.7	15.0
AgriGold XA3202W	5	118.0	91.4	0.0	0.0	39.0	81.3	13.9
AgriGold XA4004W	6	116.7	74.7	0.0	0.0	44.3	79.7	13.1
AgriPro AP543W	7	114.0	73.0	0.0	0.0	42.0	78.7	13.6
AgriPro AP728W	8	112.8	90.8	0.5	1.6	37.7	79.3	15.1
Asgrow RX956W	9	109.9	78.2	0.6	2.9	38.7	81.3	14.4
Asgrow RX959W	10	118.9	83.3	0.0	0.0	42.0	81.7	15.1
Asgrow RX943W	11	134.6†	61.5	0.0	0.7	38.0	79.0	14.1†
Asgrow X9651W	12	112.4	78.7	0.0	0.9	41.3	81.7	14.5
Asgrow RX795W	13	125.8	72.4	0.0	1.5	45.3	78.7	13.2
Asgrow XP9431W	14	105.5	83.9	0.0	0.6	35.3	78.3	14.4
Cargill 9100W	15	129.8	71.8	0.0	0.0	35.0	79.7	15.3
Cargill 9400W	16	123.3	81.6	0.0	2.0	41.7	80.7	14.0
Cargill 9402W	17	124.0	81.6	0.0	4.1	38.7	80.0	14.4
Cargill EXP 59300	18	106.1†	75.9	0.0	1.9	41.3	79.3	13.5†
Cargill EXP 59301	19	102.2	70.1	0.0	0.0	31.0	78.3	14.7
DeKalb Plant Genetics DK703W	20	101.2	82.2	0.0	1.4	37.3	78.3	14.1
DeKalb Plant Genetics EX1130338	21	127.2	98.3	0.0	0.0	43.3	79.3	13.6
Funk's G Brand 4592W	22	118.4	88.5	0.0	0.0	45.7	81.7	13.8
Funk's G Brand 4644W	23	125.6	73.6	0.0	3.8	35.7	79.7	13.9
Funk's G Brand 4652W	24	115.8	76.4	0.0	0.0	37.0	79.3	13.5
Funk's G Brand 4660W	25	116.0	81.6	0.0	2.1	39.3	80.3	13.9
Funk's G Brand EXP 5148W	26	125.4	80.5	0.0	0.0	42.3	78.7	13.2
Funk's G Brand EXP 6168W	27	103.6	72.4	0.0	0.0	37.3	78.0	14.8
ICI Seeds 8101W	28	111.1	81.0	0.0	2.8	39.0	81.3	14.2
ICI Seeds SC707W	29	114.2	83.3	0.0	1.3	37.7	78.3	14.3
GroAgri 4626	30	125.9	85.1	0.0	3.5	37.7	79.0	14.4
GroAgri 4627	31	117.5	74.7	0.0	0.0	33.0	77.3	15.2
Hoegemeyer 1125W	32	115.5	87.4	0.0	0.0	34.0	79.3	13.8
Hoegemeyer 1131W	33	112.3†	69.0	0.0	0.0	44.3	78.3	13.4†
Hoegemeyer 1142W	34	110.2	94.3	0.0	0.0	40.3	78.7	15.4
ICI Seeds 8320W	35	106.7	59.2	0.0	0.0	40.3	77.7	13.6
ICI Seeds 8122W	36	128.8	73.6	0.0	0.6	40.3	77.0	13.9
ICI Seeds N9163W	37	110.8	82.2	0.0	1.4	34.3	81.0	13.4
ICI Seeds N9300W	38	119.3	86.8	0.0	1.3	33.3	75.3	12.6
IFSI 88-6	39	118.7	87.4	0.0	0.6	33.3	78.3	15.3
IFSI 90-2	40	109.6	72.4	0.0	0.0	30.3	77.3	14.5
IFSI 90-3	41	101.9	72.4	0.0	0.0	35.0	81.0	14.1
IFSI 91-3	42	94.1	73.6	0.0	0.0	40.0	79.0	13.7
IFSI 91-4	43	109.9	82.2	1.4	6.3	39.3	79.3	13.9
IFSI 92-1	44	100.4	79.9	0.0	1.3	37.7	77.3	14.9
Jacques EXP 0114W	45	113.8	81.0	0.0	0.0	37.7	78.3	15.7

Table 13. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	120.8	82.2	0.0	0.6	43.3	78.3	13.1
Jacques EXP 213W	47	127.1	90.8	0.0	3.6	37.7	78.7	13.6
Jacques EXP 214W	48	100.9	80.5	0.0	2.5	33.3	78.7	13.8
Jacques EXP 215W	49	113.7	69.5	0.0	0.9	29.3	77.3	14.4
Jacques EXP 216W	50	97.6	73.6	0.0	0.8	36.3	78.0	14.1
NC+ 7161W	51	112.8	81.0	0.9	3.7	43.0	79.7	14.3
NC+ 8141W	52	107.6	75.3	0.0	6.9	38.0	80.3	13.9
NC+ X7663W	53	138.0	75.9	0.0	0.7	42.3	78.7	13.9
NobleBear NB710W	54	108.4	86.2	0.0	1.9	34.0	76.0	11.6
NobleBear NB739W	55	99.3	83.9	0.0	0.0	34.7	78.0	12.8
NobleBear NB742W	56	106.7	75.9	0.0	0.0	24.7	77.7	13.3
NobleBear NB747W	57	92.8†	87.9	0.0	0.0	21.7	77.7	13.1†
NobleBear NBX1320W	58	109.6†	64.4	0.0	0.0	25.3	76.3	13.2†
Northrup King N8110W	59	120.5	83.9	0.0	2.4	42.0	80.3	13.9
Northrup King N8565W	60	118.4	75.3	0.0	0.0	40.0	80.0	15.5
Northrup King X780W	61	120.7	87.4	0.0	0.0	40.3	80.7	12.9
Ohlde EX168W	62	114.1	79.9	0.0	0.0	33.0	78.3	14.8
Ohlde EX181W	63	93.8	75.9	0.0	0.8	35.7	78.3	14.3
Ohlde EX198W	64	120.6	81.0	0.0	0.0	43.3	78.7	13.1
ORO 200W	65	105.9	81.0	0.0	4.1	38.0	79.3	13.4
ORO EXP 209	66	128.5†	78.7	0.0	0.6	43.0	77.7	12.9†
ORO 206W [EXP 1013]	67	124.9	83.3	0.0	0.0	41.0	78.0	14.6
Pioneer Brand 3281W	68	118.7	84.5	0.0	0.0	39.7	81.0	13.6
Pioneer Brand 3287W	69	113.2	78.7	0.0	0.0	31.7	75.0	14.0
Seed Source USN 471	70	91.5	79.9	0.0	1.4	34.0	78.3	12.2
Seed Source USP 575	71	100.9	73.6	0.0	0.0	48.3	82.3	15.1
Sturdy Grow SG798W	72	128.5	83.9	0.9	2.6	38.7	80.0	14.1
Sturdy Grow SG909W	73	91.7	82.2	0.0	2.4	34.7	79.7	13.3
Sturdy Grow SG930W	74	125.3	82.8	0.0	0.0	42.3	79.3	15.6
Sturdy Grow EXP 28W	75	99.6	74.1	0.0	1.6	33.3	77.7	13.3
Sturdy Grow EXP 84W	76	90.1	75.3	0.0	0.0	25.3	76.7	13.0
Sturdy Grow EXP 169W	77	113.8	91.4	0.0	0.7	35.7	81.0	13.8
Taylor-Evans T-E 1166W	78	110.6	81.6	0.0	1.6	42.0	80.7	13.3
Taylor-Evans T-E 9007W	79	108.1	90.2	0.0	3.8	39.0	77.7	14.1
Taylor-Evans T-E EXP 2909W	80	127.3	85.6	0.0	0.6	36.0	78.0	14.6
Triumph 1910W	81	126.8	86.8	0.0	0.0	37.7	79.3	15.1
Triumph 1990W	82	106.4	79.9	0.0	8.9	39.7	81.0	14.2
Triumph TRX1829	83	134.1	77.0	0.0	1.7	36.7	78.3	12.9
Vineyard V58W	84	135.8	74.1	0.0	0.0	41.0	78.7	13.4
Vineyard V68W	85	115.9	81.6	0.0	0.0	39.7	79.3	14.1
Vineyard V424W	86	114.8	77.0	0.0	0.0	38.7	78.3	14.2
Vineyard V449W	87	89.9†	73.6	0.0	0.7	30.3	78.3	13.7†
Vineyard Vx4721W	88	128.3	69.5†	0.0	2.5†	42.7	78.3	13.9
Vineyard Vx4781W	89	124.2	82.8	0.0	0.0	42.0	80.0	14.5
Whisnand 51AW	90	111.4	67.2	0.0	0.0	42.3	79.7	13.4

Table 13. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	103.3	73.0	0.0	11.1[†]	42.0	81.7	14.9
Whisnand 73W	92	112.6	74.7	0.8	3.9	40.3	80.0	14.4
Whisnand 74W	93	114.9	77.0	0.7	0.0	39.3	81.0	13.7
Whisnand 90AW	94	116.8	81.0	0.6	1.3	34.3	78.0	13.7
Whisnand 92AW	95	114.7	83.3	0.0	0.0	40.7	79.3	15.3
Wilson E4364	96	120.9	82.8	0.0	0.7	34.7	77.7	14.3
Wilson E14289	97	92.7	86.8	0.0	0.0	29.3	77.0	13.5
Wilson E14290	98	95.8	75.3	0.0	1.0	31.3	77.3	13.3
Wilson E14292	99	79.6[†]	66.1	0.8	4.5	36.3	77.0	14.4[†]
Wilson E14293	100	85.8	64.4	0.0	5.9	32.7	79.3	13.1
Wilson E14294	101	109.5	78.7	0.0	1.3	36.3	76.7	12.9
Zimmerman Z14W	102	107.5	82.2	0.0	4.2	37.7	79.3	14.9
Zimmerman Z16W	103	114.7	77.0	0.0	0.0	38.7	78.3	14.0
Zimmerman Z17W	104	113.1	77.0	0.0	0.7	41.0	80.7	13.7
Zimmerman Z54W	105	120.4	83.9	0.0	4.7	43.7	81.0	13.5
Zimmerman Z61W	106	123.8	84.5	0.0	1.3	40.0	80.0	13.8
Zimmerman Z63W	107	126.5	79.3	0.0	0.0	40.7	79.7	13.5
White check (K55×CI66)FR802W	108	98.2	82.8	0.0	0.0	37.3	80.3	14.5
Yellow check B73×Mo17	109	118.9	87.4	0.0	0.0	33.0	78.3	12.1
Yellow check Pioneer Brand 3320	110	109.5	78.2	0.0	0.6	31.0	77.7	13.1
Yellow check Pioneer Brand 3245	111	135.9	81.0	0.0	0.0	28.3	78.0	13.4
Mean		113.0	79.5	0.1	1.4	37.5	79.0	13.9
LSD 0.05		20.5	ns	ns	3.9	6.3	1.9	0.8
CV%		11.1			168.5	10.2	1.5	3.7

[†] Data from two replications.

Table 14. Yield and agronomic data from the 1992 White Food Corn Performance Test at Halfway, TX.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	1	174.4†	86.1	.	.	38.0	75.0	16.4†
AgriGold A6796W	2	165.6	104.6	.	.	40.7	77.0	16.0
AgriGold XA274W	3	165.5	98.1	.	.	36.0	76.0	14.8
AgriGold XA2201W	4	157.8	89.8	.	.	33.3	73.3	15.9
AgriGold XA3202W	5	139.4	98.1	.	.	39.7	76.7	16.8
AgriGold XA4004W	6	150.9	97.2	.	.	41.7	76.0	15.0
AgriPro AP543W	7	170.4	103.7	.	.	38.3	75.0	15.5
AgriPro AP728W	8	189.9	94.4	.	.	37.7	75.3	17.5
Asgrow RX956W	9	153.5†	99.1	.	.	40.3	75.3	14.2†
Asgrow RX959W	10	182.1	94.4	.	.	41.0	77.7	16.1
Asgrow RX943W	11	157.3	104.6	.	.	40.7	76.3	16.9
Asgrow X9651W	12	154.2	103.7	.	.	38.7	77.3	13.8
Asgrow RX795W	13	142.1	95.4	.	.	42.3	76.0	16.9
Asgrow XP9431W	14	185.7	100.0	.	.	39.3	74.7	17.3
Cargill 9100W	15	152.5	100.0	.	.	40.7	75.3	15.7
Cargill 9400W	16	149.7	106.5	.	.	40.3	75.0	15.1
Cargill 9402W	17	165.1	89.8	.	.	40.7	75.7	15.9
Cargill EXP 59300	18	170.2	99.1	.	.	42.7	75.0	16.0
Cargill EXP 59301	19	177.7	99.1	.	.	33.0	74.3	15.6
DeKalb Plant Genetics DK703W	20	168.9	104.6	.	.	38.0	75.3	15.1
DeKalb Plant Genetics EX1130338	21	143.9	85.2	.	.	42.3	75.7	14.2
Funk's G Brand 4592W	22	154.2	103.7	.	.	38.7	76.7	15.5
Funk's G Brand 4644W	23	158.5	99.1	.	.	37.7	75.7	14.9
Funk's G Brand 4652W	24	121.4	104.6	.	.	41.3	78.3	13.4
Funk's G Brand 4660W	25	170.4	89.8	.	.	37.0	74.7	15.3
Funk's G Brand EXP 5148W	26	165.6	87.0	.	.	40.7	75.7	14.5
Funk's G Brand EXP 6168W	27	184.0	103.7	.	.	35.3	73.7	17.6
ICI Seeds 8101W	28	168.3	102.8	.	.	37.0	76.0	15.6
ICI Seeds SC707W	29	141.9	102.8	.	.	40.0	76.0	16.3
GroAgri 4626	30	181.0	102.8	.	.	39.7	76.3	15.4
GroAgri 4627	31	129.6	104.6	.	.	35.7	75.7	15.8
Hoegemeyer 1125W	32	134.3	91.7	.	.	38.7	75.7	16.1
Hoegemeyer 1131W	33	169.4	88.9	.	.	41.3	75.7	17.4
Hoegemeyer 1142W	34	117.6	106.5	.	.	38.7	76.0	15.0
ICI Seeds 8320W	35	154.5	88.9	.	.	38.7	75.3	16.3
ICI Seeds 8122W	36	192.2	100.9	.	.	37.7	76.0	20.4
ICI Seeds N9163W	37	162.1	97.2	.	.	40.3	75.7	15.9
ICI Seeds N9300W	38	180.3	91.7	.	.	41.7	74.7	17.8
IFSI 88-6	39	136.0	97.2	.	.	38.7	75.0	14.1
IFSI 90-2	40	145.3	99.1	.	.	35.0	73.0	15.0
IFSI 90-3	41	124.8	95.4	.	.	43.0	76.0	15.6
IFSI 91-3	42	137.2	102.8	.	.	38.3	74.0	16.3†
IFSI 91-4	43	161.0	101.9	.	.	41.0	76.3	14.5
IFSI 92-1	44	180.0	90.7	.	.	38.3	75.7	17.9
Jacques EXP 0114W	45	154.4	99.1	.	.	38.7	76.3	14.9

Table 14. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Jacques EXP 212W	46	152.9†	92.6	.	.	40.0	75.3	15.3†
Jacques EXP 213W	47	157.3	94.4	.	.	40.3	75.0	18.1
Jacques EXP 214W	48	163.1	100.0	.	.	38.3	75.3	17.1
Jacques EXP 215W	49	154.5	97.2	.	.	33.7	74.0	14.9
Jacques EXP 216W	50	127.9	107.4	.	.	38.3	75.3	15.0
NC+ 7161W	51	123.6	87.0	.	.	37.3	77.0	14.3
NC+ 8141W	52	135.6	106.5	.	.	42.7	77.0	14.5
NC+ X7663W	53	129.9	91.7	.	.	41.7	77.7	16.0
NobleBear NB710W	54	174.0	94.4	.	.	39.0	75.0	14.8†
NobleBear NB739W	55	170.0	101.9	.	.	33.0	74.3	17.9
NobleBear NB742W	56	165.6	95.4	.	.	34.0	75.0	15.7
NobleBear NB747W	57	161.6	100.0	.	.	32.3	75.0	15.3
NobleBear NBX1320W	58	165.4	101.9	.	.	36.0	76.0	13.7
Northrup King N8110W	59	182.6	99.1	.	.	44.0	75.7	17.7
Northrup King N8565W	60	181.3	98.1	.	.	39.0	76.7	16.9†
Northrup King X780W	61	178.0	97.2	.	.	39.3	76.0	15.8
Ohlde EX168W	62	145.9	99.1	.	.	34.7	75.0	16.9
Ohlde EX181W	63	138.3	103.7	.	.	40.0	75.3	15.9
Ohlde EX198W	64	127.2	102.8	.	.	42.0	75.0	14.7
ORO 200W	65	132.8	92.6	.	.	37.7	75.7	15.2
ORO EXP 209	66	138.6	91.7	.	.	39.3	74.3	16.0
ORO 206W [EXP 1013]	67	164.6	100.9	.	.	39.7	75.0	19.8
Pioneer Brand 3281W	68	147.8	104.6	.	.	33.0	77.0	15.2
Pioneer Brand 3287W	69	147.9	105.6	.	.	36.7	75.0	17.2
Seed Source USN 471	70	150.6	91.7	.	.	41.3	77.0	14.9
Seed Source USP 575	71	180.1	90.7	.	.	40.7	78.3	17.2
Sturdy Grow SG798W	72	127.1	92.6	.	.	40.3	75.3	15.6
Sturdy Grow SG909W	73	148.1	94.4	.	.	41.7	75.3	15.1
Sturdy Grow SG930W	74	111.2	88.9	.	.	38.7	75.7	14.2
Sturdy Grow EXP 28W	75	126.8	108.3	.	.	41.0	74.7	13.5
Sturdy Grow EXP 84W	76	136.3	103.7	.	.	36.7	76.0	16.3
Sturdy Grow EXP 169W	77	165.1	92.6	.	.	38.7	76.7	14.3
Taylor-Evans T-E 1166W	78	142.7	96.3	.	.	40.0	77.0	15.9
Taylor-Evans T-E 9007W	79	173.8	91.7	.	.	38.0	75.3	17.3
Taylor-Evans T-E EXP 2909W	80	151.2	94.4	.	.	40.0	74.3	14.5
Triumph 1910W	81	148.8	114.8	.	.	36.3	75.3	17.2
Triumph 1990W	82	146.0	105.6	.	.	42.0	77.0	14.4
Triumph TRX1829	83	167.9	104.6	.	.	38.0	74.3	13.8
Vineyard V58W	84	168.5	95.4	.	.	39.7	75.0	16.4
Vineyard V68W	85	162.8	99.1	.	.	39.0	77.0	14.3
Vineyard V424W	86	164.2	110.2	.	.	35.7	75.0	16.1†
Vineyard V449W	87	173.6	97.2	.	.	39.0	74.7	17.6
Vineyard Vx4721W	88	158.3	95.4	.	.	40.7	75.0	15.0
Vineyard Vx4781W	89	165.5	95.4	.	.	40.0	77.7	18.9
Whisnand 51AW	90	167.6	85.2	.	.	40.0	76.7	15.7

Table 14. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Whisnand 73AW	91	145.5	101.9	.	.	42.0	76.3	18.4
Whisnand 73W	92	147.7	112.0	.	.	42.0	77.0	19.1†
Whisnand 74W	93	146.8†	97.2	.	.	36.0	75.7	15.4†
Whisnand 90AW	94	139.3	94.4	.	.	36.0	74.0	15.5
Whisnand 92AW	95	192.7	111.1	.	.	37.0	76.3	16.9
Wilson E4364	96	173.5	97.2	.	.	34.3	73.7	15.9
Wilson E14289	97	156.1	100.0	.	.	36.3	75.7	15.4
Wilson E14290	98	151.6	85.2	.	.	36.0	74.3	14.5
Wilson E14292	99	162.8	104.6	.	.	37.7	75.0	17.5
Wilson E14293	100	146.8	90.7	.	.	34.3	75.7	15.7
Wilson E14294	101	157.6	107.4	.	.	37.3	75.0	14.8
Zimmerman Z14W	102	149.9	94.4	.	.	38.0	77.7	16.2
Zimmerman Z16W	103	161.4	94.4	.	.	40.0	74.3	14.3
Zimmerman Z17W	104	137.2†	100.9	.	.	34.0	77.0	19.5†
Zimmerman Z54W	105	141.9	93.5	.	.	40.0	77.0	15.5
Zimmerman Z61W	106	109.1	94.4	.	.	37.7	76.3	13.8
Zimmerman Z63W	107	135.6	106.5	.	.	40.7	77.3	14.0
White check (K55×CI66)FR802W	108	150.4	86.1	.	.	43.7	77.0	14.1
Yellow check B73×Mo17	109	149.1	108.3	.	.	40.7	74.3	17.9
Yellow check Pioneer Brand 3320	110	164.3	93.5	.	.	36.7	73.7	15.5
Yellow check Pioneer Brand 3245	111	121.8	90.7	.	.	35.7	74.7	14.2
Mean		154.8	98.1	.	.	38.7	75.6	15.8
LSD 0.05		ns	15.2			5.1	2.3	ns
CV%			9.5			8.0	1.8	

† Data from two replications.

Table 15. Combined yield and agronomic data from 12 locations of the 1992 White Food Corn Performance Test.

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)
AgriGold A6795W	1	177.8	93.5	0.4	6.7	45.4	76.2	21.4	1.19	12.0
AgriGold A6796W	2	178.8	97.6	1.6	4.4	44.9	76.8	21.4	0.99	7.2
AgriGold XA274W	3	175.8	94.9	1.4	2.1	41.4	75.0	20.9	1.03	17.0
AgriGold XA2201W	4	168.7	94.6	0.8	1.9	37.1	73.9	21.2	0.81	15.0
AgriGold XA3202W	5	175.7	97.4	0.5	2.2	44.9	77.3	20.8	0.99	10.9
AgriGold XA4004W	6	181.1	93.8	1.6	2.9	47.6	75.9	19.4	1.11	12.2
AgriPro AP543W	7	182.5	94.2	2.3	2.9	45.1	75.1	19.3	1.07	8.7
AgriPro AP728W	8	174.9	95.9	0.7	2.3	42.7	75.7	22.9	0.91	12.8
Asgrow RX956W	9	174.5	94.9	0.8	5.0	44.4	76.6	21.0	1.03	6.8
Asgrow RX959W	10	178.8	94.8	1.5	1.8	45.9	80.2	23.5	0.94	26.9
Asgrow RX943W	11	185.2	95.4	0.3	2.5	46.6	75.8	20.9	0.94	10.4
Asgrow X9651W	12	169.0	95.4	1.2	2.6	44.6	78.7	22.1	0.99	15.6
Asgrow RX795W	13	181.1	93.2	2.2	2.3	46.0	75.3	19.6	1.20	16.0
Asgrow XP9431W	14	174.3	95.5	1.0	3.2	37.9	74.3	21.6	0.97	19.0
Cargill 9100W	15	171.2	92.7	1.1	1.2	41.3	75.4	22.8	0.84	8.9
Cargill 9400W	16	178.4	94.2	0.6	5.4	45.7	76.4	21.4	1.04	5.7
Cargill 9402W	17	184.0	94.6	0.4	7.5	44.7	76.4	21.5	0.99	8.9
Cargill EXP 59300	18	177.7	94.6	2.6	2.8	45.7	75.0	19.4	1.19	11.5
Cargill EXP 59301	19	168.5	94.4	1.0	2.1	37.1	74.3	21.2	0.94	15.6
DeKalb Plant Genetics DK703W	20	178.1	96.3	2.9	1.9	41.9	75.1	20.0	1.06	10.1
DeKalb Plant Genetics EX1130338	21	182.5	94.9	2.0	2.6	47.4	75.0	19.7	0.97	14.2
Funk's G Brand 4592W	22	179.7	93.3	0.6	2.0	45.9	77.1	20.1	1.22	13.0
Funk's G Brand 4644W	23	180.9	92.7	0.6	4.7	44.0	76.2	21.5	0.97	10.1
Funk's G Brand 4652W	24	183.1	94.8	1.3	2.8	46.5	76.6	20.8	1.37	19.0
Funk's G Brand 4660W	25	180.2	94.7	0.5	3.5	44.0	76.0	21.2	0.97	7.3
Funk's G Brand EXP 5148W	26	175.8	94.1	1.6	1.6	46.3	75.1	19.6	1.09	13.2
Funk's G Brand EXP 6168W	27	173.0	95.0	0.9	2.3	37.6	73.8	21.8	0.89	15.1
ICI Seeds 8101W	28	176.1	94.7	2.1	3.1	45.1	76.6	21.6	1.10	10.9
ICI Seeds SC707W	29	178.8	95.2	1.0	2.0	43.4	75.4	21.5	1.10	13.1
GroAgri 4626	30	175.6	95.9	0.4	3.8	42.3	75.1	21.3	0.82	17.1
GroAgri 4627	31	172.5	94.4	0.6	1.7	39.5	74.7	22.0	1.02	9.8
Hoegemeyer 1125W	32	175.6	95.8	1.5	2.9	43.6	76.0	20.6	0.95	15.8
Hoegemeyer 1131W	33	177.5	93.3	2.4	2.3	46.7	74.9	19.7	1.16	16.8
Hoegemeyer 1142W	34	170.4	97.0	0.9	2.0	41.4	76.0	22.5	1.10	13.9
ICI Seeds 8320W	35	185.0	93.0	2.3	2.0	45.6	75.2	19.3	1.29	12.6
ICI Seeds 8122W	36	180.0	95.0	0.7	3.0	42.5	74.7	22.1	0.87	17.2
ICI Seeds N9163W	37	181.8	96.1	0.5	1.4	44.5	76.7	20.8	1.16	9.4
ICI Seeds N9300W	38	173.6	94.7	1.6	2.7	43.8	73.6	18.6	0.87	14.5
IFSI 88-6	39	175.2	96.0	0.8	2.1	40.4	75.4	22.1	0.92	13.6
IFSI 90-2	40	170.1	94.2	1.1	2.4	36.1	73.6	21.2	1.02	10.8
IFSI 90-3	41	172.0	95.3	0.4	1.5	43.1	76.4	20.5	1.14	12.7
IFSI 91-3	42	166.0	95.3	0.2	3.8	42.5	74.7	20.4	1.20	10.8
IFSI 91-4	43	179.8	95.6	0.7	5.1	45.0	76.1	20.6	1.21	5.5
IFSI 92-1	44	157.9	93.5	0.7	3.2	43.1	75.2	21.8	0.73	13.7
Jacques EXP 0114W	45	172.2	95.3	1.2	2.5	41.5	75.3	22.3	0.97	9.8

Table 15. 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)
Jacques EXP 212W	46	179.0	93.4	1.6	3.5	45.1	75.2	19.4	1.04	11.4
Jacques EXP 213W	47	171.9	96.2	0.7	5.3	44.6	75.3	20.6	0.74	10.0
Jacques EXP 214W	48	163.1	96.2	0.7	4.9	42.9	74.9	20.7	0.93	14.4
Jacques EXP 215W	49	159.7	92.1	0.6	2.4	36.4	74.0	21.0	0.64	10.2
Jacques EXP 216W	50	165.7	95.7	1.2	2.8	41.8	75.2	21.6	1.08	8.8
NC+ 7161W	51	172.7	93.6	1.2	2.1	46.1	76.4	20.3	1.21	16.5
NC+ 8141W	52	177.5	96.5	1.0	4.9	44.8	76.5	21.8	1.17	10.4
NC+ X7663W	53	191.5	94.8	1.9	2.3	46.9	76.9	21.2	1.26	17.9
NobleBear NB710W	54	178.6	94.5	0.9	4.9	40.9	73.3	17.7	0.97	12.1
NobleBear NB739W	55	164.6	94.4	1.1	1.2	33.1	72.9	20.1	0.92	14.0
NobleBear NB742W	56	161.5	94.5	0.3	1.9	32.3	73.7	20.1	0.60	17.8
NobleBear NB747W	57	164.9	95.8	0.7	2.8	34.0	74.2	19.8	1.01	10.5
NobleBear NBX1320W	58	163.0	94.3	0.3	1.3	33.3	73.4	18.3	0.88	13.2
Northrup King N8110W	59	183.8	95.7	1.5	4.4	47.5	76.6	21.7	1.00	13.3
Northrup King N8565W	60	182.3	94.5	1.3	2.0	42.4	75.9	22.6	0.96	10.2
Northrup King X780W	61	179.4	96.2	1.1	2.8	45.1	76.0	20.1	0.99	10.2
Ohlde EX168W	62	169.9	96.0	0.4	2.5	40.8	75.4	22.4	1.01	8.1
Ohlde EX181W	63	170.3	95.1	1.3	2.8	42.8	74.8	21.8	1.17	14.4
Ohlde EX198W	64	176.0	96.4	2.4	3.3	46.2	75.1	19.6	1.17	19.4
ORO 200W	65	160.2	93.3	2.0	2.6	41.6	75.9	19.6	0.91	13.2
ORO EXP 209	66	176.7	94.7	2.3	1.6	45.0	74.9	19.6	1.04	13.3
ORO 206W [EXP 1013]	67	174.0	95.3	1.3	3.6	42.5	74.1	21.5	0.84	12.9
Pioneer Brand 3281W	68	178.5	96.9	1.4	1.7	40.9	76.4	20.0	0.97	13.7
Pioneer Brand 3287W	69	160.4	96.9	1.6	1.2	37.6	72.3	19.4	0.72	8.9
Seed Source USN 471	70	160.6	95.6	1.0	9.8	44.5	76.3	21.4	1.03	8.6
Seed Source USP 575	71	169.9	93.9	3.8	1.3	49.3	80.6	22.9	0.82	29.6
Sturdy Grow SG798W	72	180.1	95.1	1.4	2.8	44.4	75.4	20.1	0.98	14.7
Sturdy Grow SG909W	73	160.4	93.5	1.5	3.2	43.8	76.0	19.2	0.92	13.8
Sturdy Grow SG930W	74	173.0	94.6	0.8	2.5	43.1	76.2	22.1	0.97	16.8
Sturdy Grow EXP 28W	75	161.3	94.2	1.6	4.2	41.6	74.3	20.8	1.03	8.6
Sturdy Grow EXP 84W	76	158.2	96.0	0.3	1.8	36.6	74.2	21.0	1.07	12.0
Sturdy Grow EXP 169W	77	180.0	97.3	0.3	1.8	42.9	76.3	20.8	1.07	9.2
Taylor-Evans T-E 1166W	78	170.8	94.8	2.3	4.2	46.7	77.1	20.2	1.03	9.6
Taylor-Evans T-E 9007W	79	174.9	96.0	0.9	3.3	42.3	75.0	21.5	0.97	14.1
Taylor-Evans T-E EXP 2909W	80	170.4	96.0	0.8	2.4	41.4	74.8	21.8	0.88	7.8
Triumph 1910W	81	173.2	97.4	0.5	1.7	40.6	75.0	22.4	0.99	10.3
Triumph 1990W	82	179.5	95.8	0.8	4.6	44.5	76.8	21.5	1.15	11.7
Triumph TRX1829	83	178.0	96.3	3.3	1.5	44.4	74.2	19.1	0.94	18.6
Vineyard V58W	84	183.6	94.2	1.5	3.5	44.8	75.7	20.5	0.76	8.6
Vineyard V68W	85	184.9	96.8	2.2	2.9	46.1	76.4	21.0	1.09	8.7
Vineyard V424W	86	166.8	96.2	0.9	1.1	42.6	75.1	19.8	0.75	10.5
Vineyard V449W	87	176.1	94.4	0.7	2.2	39.9	74.8	20.1	1.07	15.3
Vineyard Vx4721W	88	179.0	95.0	9.0	2.8	48.2	75.9	20.8	1.02	11.7
Vineyard Vx4781W	89	181.2	96.9	2.8	4.6	45.9	76.7	22.0	0.84	14.9
Whisnand 51AW	90	180.0	93.2	2.5	3.0	45.2	75.4	19.4	1.12	11.3

Table 15. 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)
Whisnand 73AW	91	180.3	95.5	0.5	5.7	45.9	77.2	21.7	1.20	13.6
Whisnand 73W	92	175.1	96.9	0.9	5.0	46.6	76.8	21.4	0.98	13.9
Whisnand 74W	93	172.2	95.4	0.7	1.0	43.3	76.8	20.7	1.05	14.2
Whisnand 90AW	94	171.7	94.6	1.2	3.7	41.9	74.7	21.5	0.95	11.9
Whisnand 92AW	95	175.3	97.0	1.6	1.8	41.9	76.0	22.3	0.78	12.8
Wilson E4364	96	174.3	95.7	0.6	1.9	37.5	73.7	21.1	0.95	11.7
Wilson E14289	97	158.4	95.7	1.2	2.1	42.7	75.6	20.2	0.90	19.9
Wilson E14290	98	151.1	92.5	1.3	1.1	39.8	75.3	19.4	0.64	12.3
Wilson E14292	99	152.5	92.0	2.3	11.8	44.8	75.5	20.4	1.04	24.2
Wilson E14293	100	129.4	92.0	2.0	6.1	40.4	75.6	19.4	0.73	17.3
Wilson E14294	101	173.3	95.6	2.3	3.5	43.8	74.6	20.0	0.94	11.7
Zimmerman Z14W	102	173.6	96.5	2.7	5.7	44.4	78.1	21.9	1.10	15.6
Zimmerman Z16W	103	177.5	95.3	0.6	2.0	44.0	75.7	21.5	0.92	11.4
Zimmerman Z17W	104	163.6	96.3	0.5	2.7	44.6	77.9	20.7	1.06	15.2
Zimmerman Z54W	105	175.5	95.0	2.4	3.4	46.0	78.2	21.5	1.14	17.4
Zimmerman Z61W	106	178.3	95.2	0.7	1.9	45.9	77.1	20.1	1.20	20.3
Zimmerman Z63W	107	185.4	94.8	2.2	2.1	46.9	77.3	20.8	1.18	16.4
White check (K55×CI66)FR802W	108	165.2	93.0	1.4	6.7	46.4	78.3	21.5	1.21	14.4
Yellow check B73×Mo17	109	166.5	95.7	4.6	2.6	41.3	74.2	19.1	0.81	18.6
Yellow check Pioneer Brand 3320	110	171.7	92.9	1.7	4.9	40.5	75.1	19.6	1.02	11.1
Yellow check Pioneer Brand 3245	111	188.3	94.4	0.3	0.8	36.1	74.7	19.0	1.16	17.1
Mean		173.5	95.0	1.4	3.1	43.0	75.6	20.8	1.00	13.2
LSD 0.05		11.6	2.9	2.5	2.3	1.9	1.1	1.0	0.09	
CV%		9.6	6.0	196.4	121.2	6.9	1.5	5.9		
Location means: Champaign, IL		182.4	99.1	0.3	2.6	50.6	.	24.0		
Paris, IL		195.5	99.6	1.0	2.5	43.4	.	23.2		
Princeton, IN		159.0	99.7	3.0	4.6	41.8	.	18.5		
West Lafayette, IN		135.7	91.7	8.4	12.2	40.5	.	25.6		
Rossville, KS†		187.8	93.2	0.0	0.8	44.9	72.7	21.6		
Lexington, KY		201.6	100.0	0.0	1.7	45.3	71.5	21.3		
Columbia, MO		176.4	93.1	0.6	4.0	46.5	75.2	22.6		
Novelty, MO		187.6	97.7	0.3	2.1	36.7	.	22.5		
Knoxville, TN		208.6	94.4	0.0	0.4	46.8	79.8	22.3		
Union City, TN		179.5	94.0	.	1.5	.	.	18.4		
College Station, TX†		113.0	79.5	0.1	1.4	37.5	79.0	13.9		
Halfway, TX†		154.8	98.1	.	.	38.7	75.6	15.8		

† Irrigated location.

Table 16. Yield data (bu/a) from 12 locations of the 1992 White Food Corn Performance Test.

Entry	No.	Champaign, IL	Paris, IL	Princeton, IN	W. Lafayette, IN	Rossville, KS[†]	Lexington, KY	Columbia, MO	Novelty, MO	Knoxville, TN	Union City, TN	College Station, TX[†]	Halfway, TX[†]	Combined
AgriGold A6795W	1	193.3	196.3	157.4	140.1	188.4	215.6	187.5	211.0	208.7	170.5	90.3[‡]	174.4	177.8
AgriGold A6796W	2	189.3	207.3	164.6	144.9	189.1	195.2	191.0	200.2	210.7	176.7	110.6	165.6	178.8
AgriGold XA274W	3	186.4	215.8	119.4	139.4	192.1	205.9	174.7	205.2	192.5	193.5	119.7	165.5	175.8
AgriGold XA2201W	4	153.9	162.9	180.3	137.5	184.9	200.2	187.0	169.3	204.8	175.7	109.6	157.8	168.7
AgriGold XA3202W	5	183.5	201.2	163.7	140.2	183.9	183.6	180.9	205.1	217.1	192.4	118.0	139.4	175.7
AgriGold XA4004W	6	201.3	192.6	169.2	145.9	192.2	216.9	190.0	176.8	242.3	179.0	116.7	150.9	181.1
AgriPro AP543W	7	201.1	211.4	156.9	148.7	189.5	209.6	176.0	188.1	222.6	201.6	114.0	170.4	182.5
AgriPro AP728W	8	171.1	191.1	168.5	127.6	192.6	198.5	166.7	185.3	207.6	187.3	112.8	189.9	174.9
Asgrow RX956W	9	175.6	206.2	160.9	143.8	191.4	204.3	167.5	198.0	208.7	173.7	109.9[‡]	153.5	174.5
Asgrow RX959W	10	161.1	170.3	203.2	105.5	184.0	220.3	225.1	196.4	205.5	173.3	118.9	182.1	178.8
Asgrow RX943W	11	188.4	208.9	176.6	153.7	218.2	206.1	176.1	190.5	230.8	181.7	134.6	157.3	185.2
Asgrow X9651W	12	176.5	191.4	187.0	100.4	192.2	190.3	172.3	191.2	191.6	168.3	112.4	154.2	169.0
Asgrow RX795W	13	206.8	227.3	146.6	142.6	197.8	230.2	173.0	174.2[‡]	227.3	178.9	125.8	142.1	181.1
Asgrow XP9431W	14	184.1	163.2	161.3	132.7	203.1	208.6	180.0	156.2	221.1	190.1	105.5	185.7	174.3
Cargill 9100W	15	192.8	192.1	163.9	127.2	190.8	196.3	172.6	171.7	200.2	165.0	129.8	152.5	171.2
Cargill 9400W	16	182.9	206.0	166.2	134.2	200.3	202.5	179.1	197.4	216.8	182.9	123.3	149.7	178.4
Cargill 9402W	17	177.3	194.6	173.0	144.1	207.5	224.3	194.7	204.2	211.7	187.2	124.0	165.1	184.0
Cargill EXP 59300	18	196.4	206.8	131.5	141.9	197.4	209.4	178.0	190.5	225.7	178.4	106.1	170.2	177.7
Cargill EXP 59301	19	181.5	159.2	143.1	137.4	182.0	191.7	175.1	172.3	221.7	178.9	102.2	177.7	168.5
DeKalb Plant Genetics DK703W	20	181.0	211.2	167.3	146.1	189.0	214.2	184.1	176.1	205.7	192.8	101.2	168.9	178.1
DeKalb Plant Genetics EX1130338	21	217.7	215.1	173.4	144.5	194.6	209.7	171.1	187.0	202.4	203.8	127.2	143.9	182.5
Funk's G Brand 4592W	22	187.1	209.7	175.8	112.6	186.7	198.7	174.5	198.4	237.4	202.6	118.4	154.2	179.7
Funk's G Brand 4644W	23	200.0	182.9	169.0	136.6	186.9	214.4	192.2	204.3	204.7	196.1	125.6	158.5	180.9
Funk's G Brand 4652W	24	186.1	204.0	185.6	121.4	199.3	211.8	197.1	229.5	245.6	179.7	115.8	121.4	183.1
Funk's G Brand 4660W	25	194.0	191.9	161.5	147.4	206.3	199.2	177.1	197.5	217.6	183.4	116.0	170.4	180.2
Funk's G Brand EXP 5148W	26	191.6	216.3	131.1	127.9	188.9	204.6	173.8	182.1	222.8	179.6	125.4	165.6	175.8
Funk's G Brand EXP 6168W	27	166.8	180.7	174.3	137.4	177.8	206.7	178.6	165.5	209.4	191.1	103.6	184.0	173.0
ICI Seeds 8101W	28	189.1	192.5	178.8	117.7	184.1	205.1	165.7	192.2	223.2	185.7	111.1	168.3	176.1
ICI Seeds SC707W	29	209.5	198.0	180.6	135.8	177.9	212.4	176.6	207.8	218.2	172.9	114.2	141.9	178.8
GroAgri 4626	30	181.5	189.4	124.7	161.1	197.3	196.9	157.3	193.9	214.7	183.9	125.9	181.0	175.6

Table 16. Continued.

Entry	No.	Champaign, IL	Paris, IL	Princeton, IN	W. Lafayette, IN	Rossville, KS†	Lexington, KY	Columbia, MO	Novelty, MO	Knoxville, TN	Union City, TN	College Station, TX†	Halfway, TX†	Combined
GroAgri 4627	31	181.5	195.3	172.8	130.1	192.7	205.1	180.3	185.2	204.8	175.3	117.5	129.6	172.5
Hoegemeyer 1125W	32	203.2	178.6	170.6	135.5	202.5	207.2	194.9	196.6	184.4	183.6	115.5	134.3	175.6
Hoegemeyer 1131W	33	204.2	202.6	118.3	138.7	204.9	204.2	182.5	177.2	223.5	192.5	112.3	169.4	177.5
Hoegemeyer 1142W	34	175.6	197.2	175.9	127.9	203.1	197.5	173.3	178.9	209.1	178.0	110.2	117.6	170.4
ICI Seeds 8320W	35	217.4	228.0	148.9	149.9	205.4	220.7	172.6	193.7	224.6	197.4	106.7	154.5	185.0
ICI Seeds 8122W	36	201.9	195.2	138.8	135.9	195.2	187.4	171.5	214.1	205.5	193.7	128.8	192.2	180.0
ICI Seeds N9163W	37	184.6	216.7	170.1	139.0	181.1	201.1	185.2	206.5	235.2	189.3	110.8	162.1	181.8
ICI Seeds N9300W	38	191.2	189.6	125.2	147.2	194.8	199.3	176.1	178.7	202.2	179.5	119.3	180.3	173.6
IFSI 88-6	39	176.7	196.9	177.2	141.9	192.6	191.9	206.8	181.5	210.5	172.0	118.7	136.0	175.2
IFSI 90-2	40	187.4	177.8	157.8	133.4	183.1	206.5	182.6	161.8	219.0	177.1	109.6	145.3	170.1
IFSI 90-3	41	179.9	206.9	168.1	140.5	181.0	207.2	177.0	170.5	214.8	191.9	101.9	124.8	172.0
IFSI 91-3	42	180.4	193.4	133.5	132.6	192.1	214.6	173.3	163.2	202.8	175.2	94.1	137.2	166.0
IFSI 91-4	43	182.6	201.3	162.0	130.6	190.0	213.9	182.7	200.8	232.0	190.9	109.9	161.0	179.8
IFSI 92-1	44	157.6	171.2	134.6	132.1	164.3	185.1	162.8	159.7	178.8	168.0	100.4	180.0	157.9
Jacques EXP 0114W	45	184.0	188.5	174.9	120.6	190.6	181.8	181.3	190.5	210.9	174.8	113.8	154.4	172.2
Jacques EXP 212W	46	194.2	199.2	141.3	156.6	194.0	221.4	172.3	185.9	222.7	186.2	120.8‡	152.9	179.0
Jacques EXP 213W	47	169.4	173.7	155.8	148.2	207.9	192.3	173.2	180.4	201.4	175.6	127.1	157.3	171.9
Jacques EXP 214W	48	191.4	154.9	152.7	121.8	185.8	193.7	169.1	175.7	197.5	150.0	100.9	163.1	163.1
Jacques EXP 215W	49	167.0	155.2	150.9	136.7	175.5	196.4	162.2	169.6	168.6	166.2	113.7	154.5	159.7
Jacques EXP 216W	50	165.6	189.9	162.3	131.4	187.5	201.0	171.9	186.6	195.6	171.2	97.6	127.9	165.7
NC+ 7161W	51	164.0	207.6	168.2	119.8	175.9	195.3	199.0	190.7	232.3	183.8	112.8	123.6	172.7
NC+ 8141W	52	203.7	207.6	177.4	135.7	187.1	210.5	173.7	192.4	215.6	183.4	107.6	135.6	177.5
NC+ X7663W	53	203.5	210.5	183.8	130.5	198.1	225.6	188.9	227.0	246.2	216.1	138.0	129.9	191.5
NobleBear NB710W	54	204.2	217.7	162.6	151.0	194.9	197.1	172.7	182.9	207.3	170.9	108.4	174.0	178.6
NobleBear NB739W	55	179.1	199.0	141.0	140.2	173.5	199.9	167.3	152.0	196.0	157.7	99.3	170.0	164.6
NobleBear NB742W	56	175.3	200.1	144.2	150.3	169.2	188.0	166.4	166.1	143.5	162.3	106.7	165.6	161.5
NobleBear NB747W	57	188.2	183.4	156.0	133.4	180.7	192.8	156.1	164.9	206.1	162.5	92.8	161.6	164.9
NobleBear NBX1320W	58	175.1	193.1	125.0	133.4	181.8	185.4	177.6	161.9	194.9	153.1	109.6	165.4	163.0
Northrup King N8110W	59	181.1	202.6	174.5	128.9	209.9	225.2	190.1	204.3	193.8	191.9	120.5	182.6	183.8
Northrup King N8565W	60	181.6	205.8	176.7	138.8	206.2	205.3	193.5	178.3	216.8	184.5	118.4	181.3	182.3

Table 16. Continued.

Entry	No.	Champaign, IL	Paris, IL	Princeton, IN	W. Lafayette, IN	Rossville, KS†	Lexington, KY	Columbia, MO	Novelty, MO	Knoxville, TN	Union City, TN	College Station, TX†	Halfway, TX†	Combined
Northrup King X780W	61	193.6	215.9	155.5	142.1	195.5	211.2	169.9	181.9	213.6	174.9	120.7	178.0	179.4
Ohlde EX168W	62	171.7	184.0	164.0	121.7	191.6	201.0	178.7	196.3	201.7	168.6	114.1	145.9	169.9
Ohlde EX181W	63	175.4	216.2	139.6	145.5	182.4	192.0	164.7	210.6	201.8	183.4	93.8	138.3	170.3
Ohlde EX198W	64	193.6	195.3	149.0	142.4	191.4	223.2	143.3	186.7	227.2	212.5	120.6	127.2	176.0
ORO 200W	65	179.3	188.3	126.7	135.9	162.5	200.7	171.3	179.8	170.7	168.3	105.9	132.8	160.2
ORO EXP 209	66	199.5	183.4	145.8	142.2	204.6	212.9	169.8	185.8	225.0	184.0	128.5	138.6	176.7
ORO 206W [EXP 1013]	67	178.1	206.7	140.5	144.5	189.1	185.9	164.9	207.4	193.0	188.3	124.9	164.6	174.0
Pioneer Brand 3281W	68	200.5	186.8	179.3	151.7	199.7	204.5	176.4	185.6	230.8	159.8	118.7	147.8	178.5
Pioneer Brand 3287W	69	179.0	173.0	139.1	139.5	182.5	175.0	157.0	157.9	185.5	174.6	113.2	147.9	160.4
Seed Source USN 471	70	176.1	181.5	160.0	118.5	174.7	184.0	166.5	158.8	202.6	162.9	91.5	150.6	160.6
Seed Source USP 575	71	146.1	169.6	213.7	104.4	167.1	171.1	206.3	190.2	198.4	190.3	100.9	180.1	169.9
Sturdy Grow SG798W	72	194.1	205.4	161.3	163.3	180.1	221.5	178.9	195.5	218.6‡	187.3	128.5	127.1	180.1
Sturdy Grow SG909W	73	140.7	182.2	150.8	143.5	179.2	197.0	169.6	154.5	195.8	172.2	91.7	148.1	160.4
Sturdy Grow SG930W	74	176.4	207.3	169.9	136.8	194.5	198.1	193.7	187.2	198.2	177.3	125.3	111.2	173.0
Sturdy Grow EXP 28W	75	174.5	184.8	151.5	118.0	180.6	182.4	172.0	185.4	185.0	175.5	99.6	126.8	161.3
Sturdy Grow EXP 84W	76	152.8	191.3	153.5	126.8	188.8	196.5	162.1	158.5	196.8	144.6	90.1	136.3	158.2
Sturdy Grow EXP 169W	77	190.0	212.6	162.2	141.8	183.6	197.8	187.3	182.5	233.4	189.8	113.8	165.1	180.0
Taylor-Evans T-E 1166W	78	169.3	192.2	158.4	134.8	181.8	199.4	164.2	209.7	205.7	180.6	110.6	142.7	170.8
Taylor-Evans T-E 9007W	79	192.6	215.1	138.4	148.4	185.8	184.3	170.0	200.5	202.5	179.3	108.1	173.8	174.9
Taylor-Evans T-E EXP 2909W	80	175.0	202.8	155.4	126.1	186.0	188.6	173.8	191.8	198.6	168.1	127.3	151.2	170.4
Triumph 1910W	81	174.4	180.4	163.7	125.7	187.3	204.3	180.5	188.6	227.1	170.4	126.8	148.8	173.2
Triumph 1990W	82	178.9	189.1	177.2	137.3	198.7	217.9	179.9	218.0	212.1	192.9	106.4	146.0	179.5
Triumph TRX1829	83	203.2	213.6	124.7	146.5	182.6	213.0	177.7	161.9	220.0	190.9	134.1	167.9	178.0
Vineyard V58W	84	205.8	198.9	172.4	155.7	206.6	211.4	174.0	189.7	198.5	185.4	135.8	168.5	183.6
Vineyard V68W	85	205.7	207.9	182.5	135.9	197.4	216.2	182.9	212.4	209.3	189.2	115.9	162.8	184.9
Vineyard V424W	86	182.4	185.7	150.3	146.7	182.7	194.2	169.9	153.3	195.6	162.1	114.8	164.2	166.8
Vineyard V449W	87	207.0	201.4	170.5	150.9	192.6	192.9	174.7	175.8	219.5	164.4	89.9	173.6	176.1
Vineyard Vx4721W	88	179.7	205.6	180.1	131.8	189.1	211.8	166.9	199.3	229.9	167.4	128.3	158.3	179.0
Vineyard Vx4781W	89	193.2	213.7	178.9	150.9	183.6	193.3	155.2	217.4	200.6	198.1	124.2	165.5	181.2
Whisnand 51AW	90	205.9	209.0	142.2	143.8	184.1	209.9	181.6	184.5	221.8	198.6	111.4	167.6	180.0

Table 16. Continued.

Entry	No.	Champaign, IL	Paris, IL	Princeton, IN	W. Lafayette, IN	Rossville, KS†	Lexington, KY	Columbia, MO	Novelty, MO	Knoxville, TN	Union City, TN	College Station, TX†	Halfway, TX†	Combined
Whisnand 73AW	91	164.1	196.6	180.8	135.5	203.2	216.7	190.2	215.8	216.6	195.3	103.3	145.5	180.3
Whisnand 73W	92	188.8	183.8	153.6	157.3	185.3	196.5	179.7	212.5	223.2	160.7	112.6	147.7	175.1
Whisnand 74W	93	154.8	188.4	167.9	128.8	165.6	219.1	183.5	188.9	220.5	186.7	114.9‡	146.8	172.2
Whisnand 90AW	94	181.8	216.9	150.1	144.9	183.1	201.6	164.1	190.6	188.3	182.4	116.8	139.3	171.7
Whisnand 92AW	95	185.1	190.2	170.4	134.8	188.1	183.8	181.1	190.4	197.1	175.4	114.7	192.7	175.3
Wilson E4364	96	162.4	192.5	164.2	133.8	191.8	215.3	168.0	177.5	219.5	172.6	120.9	173.5	174.3
Wilson E14289	97	171.8	188.0	154.2	130.4	150.8	170.2	169.1	200.9	195.8	121.4	92.7	156.1	158.4
Wilson E14290	98	168.7	158.7	141.9	135.2	140.8	171.8	166.0	170.8	163.3	148.2	95.8	151.6	151.1
Wilson E14292	99	150.8	208.5	100.8	121.7	171.0	164.0	170.4	195.0	168.9	136.3	79.6	162.8	152.5
Wilson E14293	100	106.0	159.4	96.5	91.4	142.1	154.1	138.7	145.8	142.9	142.9	85.8	146.8	129.4
Wilson E14294	101	189.0	198.4	138.1	157.1	193.1	203.2	178.9	193.7	195.3	165.7	109.5	157.6	173.3
Zimmerman Z14W	102	160.9	192.5	180.8	120.1	187.0	214.0	167.2‡	216.5	198.2	188.8	107.5	149.9	173.6
Zimmerman Z16W	103	192.6	213.5	183.4	136.0	187.3	193.1	168.0	193.5	195.6	190.8	114.7	161.4	177.5
Zimmerman Z17W	104	151.7	183.9	151.9	106.8	172.0	190.4	187.5	163.6	218.4	187.2	113.1‡	137.2	163.6
Zimmerman Z54W	105	146.9	216.8	165.8	115.4	194.0	205.4	187.6	201.3	209.2	201.9	120.4	141.9	175.5
Zimmerman Z61W	106	182.6	200.5	184.1	127.2	181.3	208.1	174.8	208.5	236.5	202.4	123.8	109.1	178.3
Zimmerman Z63W	107	193.5	207.1	193.2	129.0	185.5	214.6	181.1	224.7	233.9	200.5	126.5	135.6	185.4
White check (K55 × CI66)FR802W	108	160.6	183.4	168.3	89.2	185.6	194.4	185.4	187.2	207.0	172.4	98.2	150.4	165.2
Yellow check B73 × Mo17	109	203.3	200.4	120.0	154.4	171.1	201.5	155.5	164.5	181.9	177.9	118.9	149.1	166.5
Yellow check Pioneer Brand 3320	110	171.6	178.4	143.6	141.3	188.7	212.3	174.8	173.2	221.6	181.3	109.5	164.3	171.7
Yellow check Pioneer Brand 3245	111	205.2	208.6	168.4	147.0	209.1	220.6	188.2	203.3	235.6	215.9	135.9	121.8	188.3
Mean		182.4	195.5	159.0	135.7	187.8	201.6	176.4	187.6	208.6	179.5	113.0	154.8	173.5
LSD 0.05		31.9	33.0	27.5	20.1	22.8	20.7	24.2	26.1	24.4	19.3	20.5	ns	11.6
CV%		10.7	10.3	10.6	9.1	7.4	6.3	8.4	8.5	7.2	6.6	11.1		9.6

† Irrigated location.
‡ Data from two replications.

Table 17. Combined European corn borer whorl-leaf feeding and stalk tunneling data from Columbia and Novelty, MO, for the 1992 White Food Corn Performance Test.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
AgriGold A6795W	1	2.3	0.3	0.4
AgriGold A6796W	2	2.7	0.6	0.8
AgriGold XA274W	3	2.5	0.5	0.9
AgriGold XA2201W	4	2.3	0.8	1.1
AgriGold XA3202W	5	3.0	0.7	0.9
AgriGold XA4004W	6	2.7	0.7	0.9
AgriPro AP543W	7	2.7	0.9	1.1
AgriPro AP728W	8	2.2	0.6	0.8
Asgrow RX956W	9	2.7	0.8	1.1
Asgrow RX959W	10	3.3	0.4	0.5
Asgrow RX943W	11	2.2	0.6	0.7
Asgrow X9651W	12	2.7	0.4	0.5
Asgrow RX795W	13	3.0	0.8	1.0
Asgrow XP9431W	14	2.5	0.8	1.1
Cargill 9100W	15	1.5	0.4	0.5
Cargill 9400W	16	2.0	0.7	0.9
Cargill 9402W	17	2.2	0.6	0.6
Cargill EXP 59300	18	3.0	1.1	1.7
Cargill EXP 59301	19	2.5	0.6	0.7
DeKalb Plant Genetics DK703W	20	3.3	0.6	0.9
DeKalb Plant Genetics EX1130338	21	3.5	1.2	1.9
Funk's G Brand 4592W	22	1.7	0.9	1.3
Funk's G Brand 4644W	23	2.7	0.7	1.0
Funk's G Brand 4652W	24	1.8	0.7	0.8
Funk's G Brand 4660W	25	2.2	0.5	0.6
Funk's G Brand EXP 5148W	26	2.8	0.9	1.2
Funk's G Brand EXP 6168W	27	2.0	0.9	1.1
ICI Seeds 8101W	28	2.5	0.6	0.8
ICI Seeds SC707W	29	2.3	0.6	0.6
GroAgri 4626	30	2.5	0.5	0.8
GroAgri 4627	31	2.5	0.5	0.7
Hoegemeyer 1125W	32	2.5	0.5	0.6
Hoegemeyer 1131W	33	3.2	0.8	1.3
Hoegemeyer 1142W	34	2.0	0.2	0.2
ICI Seeds 8320W	35	2.8	0.6	0.9
ICI Seeds 8122W	36	2.0	0.7	0.7
ICI Seeds N9163W	37	2.8	0.5	0.7
ICI Seeds N9300W	38	3.7	1.2	1.8
IFSI 88-6	39	2.3	0.7	0.9
IFSI 90-2	40	2.0	0.8	1.0
IFSI 90-3	41	2.8	0.8	1.0
IFSI 91-3	42	2.7	0.6	0.7
IFSI 91-4	43	2.5	0.8	1.0
IFSI 92-1	44	2.5	0.5	0.5
Jacques EXP 0114W	45	2.5	0.5	0.6

Table 17. Continued.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
Jacques EXP 212W	46	3.0	0.8	1.0
Jacques EXP 213W	47	2.8	0.6	0.9
Jacques EXP 214W	48	3.2	1.0	1.1
Jacques EXP 215W	49	1.8	0.9	1.1
Jacques EXP 216W	50	2.2	0.6	0.6
NC+ 7161W	51	1.7	0.9	1.5
NC+ 8141W	52	2.3	0.7	0.7
NC+ X7663W	53	2.0	0.8	0.9
NobleBear NB710W	54	3.8	1.0	1.7
NobleBear NB739W	55	3.5	1.1	1.6
NobleBear NB742W	56	3.5	0.8	0.9
NobleBear NB747W	57	4.2	0.8	1.1
NobleBear NBX1320W	58	2.3	0.4	0.4
Northrup King N8110W	59	2.2	0.6	0.7
Northrup King N8565W	60	2.3	0.6	0.9
Northrup King X780W	61	2.5	0.6	0.9
Ohlde EX168W	62	2.3	0.5	0.8
Ohlde EX181W	63	2.0	0.5	0.5
Ohlde EX198W	64	2.8	1.0	1.3
ORO 200W	65	2.7	0.6	1.0
ORO EXP 209	66	3.0	1.0	1.6
ORO 206W [EXP 1013]	67	2.2	0.5	0.5
Pioneer Brand 3281W	68	1.5	0.4	0.5
Pioneer Brand 3287W	69	2.5	0.5	0.6
Seed Source USN 471	70	2.5	0.8	1.1
Seed Source USP 575	71	1.8	0.7	0.9
Sturdy Grow SG798W	72	2.5	0.7	0.9
Sturdy Grow SG909W	73	2.5	0.5	0.7
Sturdy Grow SG930W	74	2.3	0.6	0.8
Sturdy Grow EXP 28W	75	3.0	0.5	0.7
Sturdy Grow EXP 84W	76	1.7	0.7	1.1
Sturdy Grow EXP 169W	77	3.3	0.6	0.7
Taylor-Evans T-E 1166W	78	3.0	1.2	1.6
Taylor-Evans T-E 9007W	79	2.2	0.9	1.0
Taylor-Evans T-E EXP 2909W	80	2.3	0.9	1.4
Triumph 1910W	81	2.0	0.6	0.8
Triumph 1990W	82	2.7	0.6	0.8
Triumph TRX1829	83	3.5	1.2	1.6
Vineyard V58W	84	2.2	0.9	1.5
Vineyard V68W	85	2.5	0.6	0.9
Vineyard V424W	86	2.5	0.8	1.1
Vineyard V449W	87	2.2	0.4	0.6
Vineyard Vx4721W	88	2.3	0.7	0.9
Vineyard Vx4781W	89	2.7	1.1	1.6
Whisnand 51AW	90	2.5	0.6	1.0

Table 17. Continued.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
Whisnand 73AW	91	2.3	0.8	1.2
Whisnand 73W	92	2.8	0.7	1.0
Whisnand 74W	93	2.7	0.7	0.9
Whisnand 90AW	94	2.5	0.7	0.7
Whisnand 92AW	95	1.8	0.7	0.9
Wilson E4364	96	2.2	0.9	1.5
Wilson E14289	97	3.0	0.7	0.9
Wilson E14290	98	3.0	0.5	0.6
Wilson E14292	99	3.5	0.9	1.2
Wilson E14293	100	5.0	0.8	1.1
Wilson E14294	101	2.3	1.0	1.1
Zimmerman Z14W	102	2.5	0.4	0.6
Zimmerman Z16W	103	2.2	0.7	1.0
Zimmerman Z17W	104	1.5	0.8	1.1
Zimmerman Z54W	105	2.2	0.6	0.8
Zimmerman Z61W	106	1.7	0.8	0.8
Zimmerman Z63W	107	2.0	0.6	0.7
White check (K55×CI66)FR802W	108	2.7	0.7	2.0
Yellow check B73×Mo17	109	2.8	1.1	1.3
Yellow check Pioneer Brand 3320	110	3.0	0.5	0.5
Yellow check Pioneer Brand 3245	111	3.3	0.9	1.0
Susceptible check (Ki3)		6.7	0.8	1.0
Susceptible check (WF9×W182E)		4.7	1.2	1.6
Resistant check (Pioneer Brand 3184)		2.3	0.3	0.3
Mean		2.6	0.7	0.9
LSD 0.05		0.9	0.5	0.9
CV%		28.6	64.2	80.4

Table 18. Yield and agronomic data from common entries in the 1991-1992 White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	2	155.8	94.9	0.3	8.9	45.8	72.5	21.3
AgriGold A6796W	2	156.1	96.0	1.4	6.9	45.2	73.1	21.4
AgriGold XA274W	2	158.5	94.3	1.6	3.5	42.2	71.0	20.7
Asgrow RX795W	2	159.0	94.2	2.7	4.0	45.9	71.4	19.2
Asgrow RX956W	2	156.0	95.2	1.1	6.4	45.6	72.6	21.0
Asgrow RX959W	2	154.4	95.0	1.6	5.7	46.8	76.2	22.6
Asgrow XP9431W	2	161.5	95.0	0.8	4.1	38.2	70.1	21.0
Cargill EXP 59301	2	157.4	94.1	0.8	3.6	38.4	69.8	20.9
Cargill 9100W	2	150.8	93.4	1.7	3.7	42.3	71.7	22.0
Cargill 9400W	2	158.5	95.0	0.7	7.2	46.0	72.7	21.2
Cargill 9402W	2	163.1	94.3	0.6	7.3	45.7	72.6	21.3
DeKalb Plant Genetics DK703W	2	156.8	90.8	3.4	3.2	42.9	71.5	19.5
Funk's G Brand 4592W	2	155.0	92.4	1.8	3.3	47.7	73.6	18.9
Funk's G Brand 4644W	2	160.6	94.3	0.9	7.8	45.3	72.5	21.1
Funk's G Brand 4652W	2	159.0	95.3	1.8	5.4	46.9	73.0	20.1
Funk's G Brand 4660W	2	159.9	93.9	0.6	5.3	44.9	72.3	21.0
GroAgri 4626	2	154.7	94.7	1.3	4.5	42.1	71.4	21.0
GroAgri 4627	2	154.4	93.7	1.4	3.0	40.4	70.9	21.7
Hoegemeyer 1142W	2	154.9	96.3	2.0	3.5	42.3	72.2	22.0
ICI Seeds SC707W	2	155.0	95.1	1.2	4.2	43.7	72.0	20.9
ICI Seeds 8101W	2	156.7	94.8	1.6	6.0	46.0	72.7	21.3
IFSI 88-6	2	155.0	96.0	1.2	4.3	41.8	71.8	21.9
IFSI 90-2	2	158.8	94.4	0.8	4.0	37.7	69.9	20.8
IFSI 90-3	2	155.8	96.6	0.7	3.2	43.9	72.8	20.2
IFSI 91-3	2	153.3	94.3	0.5	3.6	43.2	70.7	20.2
IFSI 91-4	2	157.1	95.2	0.9	6.8	46.0	72.3	20.5
NobleBear NB710W	2	159.6	92.4	2.0	5.9	40.9	69.2	17.6
NobleBear NB739W	2	150.2	94.6	1.2	2.9	33.1	69.4	19.4
NobleBear NB747W	2	146.7	95.5	1.3	4.6	35.2	70.5	19.3
Northrup King N8110W	2	160.3	95.6	1.1	5.9	46.7	73.0	21.5
Northrup King N8565W	2	159.4	95.1	1.8	4.4	42.6	71.9	22.4
Northrup King X780W	2	159.7	96.8	1.8	3.5	45.4	72.0	19.6
NC+ 7161W	2	152.8	94.6	1.6	4.0	47.2	73.1	19.5
NC+ 8141W	2	158.2	96.2	0.9	6.9	45.3	72.6	21.5
Ohlde EX168W	2	153.4	94.9	1.8	4.6	42.3	71.9	21.7
Ohlde EX198W	2	163.2	96.2	2.8	3.8	45.8	71.0	19.0
ORO 200W	2	148.4	93.3	1.3	6.2	43.8	72.6	20.4
ORO 206W [EXP 1013]	2	157.6	95.8	1.0	4.4	42.1	70.7	21.0
Pioneer Brand 3281W	2	159.6	94.6	0.9	2.5	41.6	72.3	19.2
Sturdy Grow SG798W	2	158.4	96.6	1.5	3.4	45.4	71.6	19.5
Triumph 1910W	2	153.7	96.2	1.5	3.4	41.7	71.5	21.9
Triumph 1990W	2	157.2	96.2	1.1	7.0	45.7	72.9	21.3
Vineyard V424W	2	148.7	96.1	1.5	3.4	43.5	71.7	19.2
Vineyard V449W	2	157.3	95.0	2.3	3.0	40.1	71.0	19.6
Vineyard V58W	2	159.3	95.4	3.1	4.1	44.7	71.7	19.9

Table 18. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V68W	2	162.4	97.2	2.4	5.2	46.2	72.5	20.5
Whisnand 73AW	2	156.6	96.1	1.1	6.9	46.5	73.3	21.5
Whisnand 73W	2	156.8	96.8	1.1	8.0	46.8	73.0	21.4
Whisnand 90AW	2	157.6	95.1	1.8	4.4	42.0	71.0	21.0
Whisnand 92AW	2	154.9	96.1	2.0	4.7	42.3	71.7	21.9
Wilson E4364	2	160.6	95.2	0.5	3.5	38.3	70.4	20.5
Zimmerman Z14W	2	150.5	95.6	2.7	9.3	44.8	74.0	21.1
Zimmerman Z16W	2	155.0	95.3	0.8	3.8	44.1	71.9	20.9
Zimmerman Z17W	2	144.6	95.7	1.1	5.1	45.1	74.4	19.7
Zimmerman Z54W	2	149.1	95.3	1.8	6.7	45.8	74.4	20.7
Zimmerman Z61W	2	156.1	95.2	1.4	4.2	46.4	73.3	19.3
Zimmerman Z63W	2	160.0	95.8	2.0	4.7	46.6	73.5	20.1
White check (K55×I66)FR802W	2	138.3	90.6	3.4	9.0	47.4	74.8	21.2
Yellow check B73×o17	2	149.8	95.9	4.4	4.9	42.7	70.6	18.6
Yellow check Pioneer Brand 3245	2	171.8	92.4	0.8	2.0	37.6	71.0	18.3
Yellow check Pioneer Brand 3320	2	159.9	93.3	1.5	5.0	40.9	71.2	19.1
Mean	.	156.1	94.9	1.5	4.9	43.5	72.0	20.5

Table 19. Yield and agronomic data from common entries in the 1990-1992 White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold A6795W	3	148.5	94.5	0.4	11.5	45.1	75.1	21.6
AgriGold A6796W	3	148.8	96.3	1.1	9.7	44.8	75.5	21.6
AgriGold XA274W	3	153.8	94.6	1.2	6.0	41.3	73.3	21.0
Asgrow RX956W	3	149.1	95.3	0.8	8.8	45.1	75.1	21.2
Asgrow RX959W	3	147.9	94.5	1.1	6.7	46.4	78.5	22.8
DeKalb Plant Genetics DK703W	3	151.6	92.7	2.5	5.1	43.4	73.6	19.4
Funk's G Brand 4644W	3	151.7	94.1	0.7	11.4	44.9	74.9	21.5
Funk's G Brand 4660W	3	152.2	94.1	0.5	9.3	44.8	74.8	21.3
ICI Seeds 8101W	3	151.3	94.3	1.2	9.0	45.7	74.9	21.3
IFSI 88-6	3	149.7	95.6	1.2	7.3	41.3	74.1	22.2
IFSI 90-2	3	151.7	93.6	0.5	5.6	36.5	72.0	21.0
IFSI 90-3	3	151.4	97.4	0.5	4.2	43.9	75.0	20.3
NobleBear NB710W	3	153.5	92.4	2.1	7.2	40.3	71.6	17.4
Northrup King N8110W	3	152.8	94.6	0.8	8.7	46.0	75.1	21.5
Northrup King N8565W	3	151.8	95.6	1.3	7.3	41.4	73.9	22.3
NC+ 8141W	3	152.0	96.8	0.7	9.2	44.9	74.9	21.7
ORO 200W	3	145.2	94.6	0.9	10.1	43.8	74.8	20.9
ORO 206W [EXP 1013]	3	151.5	94.2	0.7	5.6	40.6	73.1	21.0
Triumph 1910W	3	148.8	95.6	1.0	5.4	41.5	73.8	22.2
Triumph 1990W	3	147.5	95.8	0.8	10.5	45.4	75.3	21.3
Vineyard V424W	3	143.2	95.1	1.1	4.6	42.6	73.6	19.2
Vineyard V58W	3	152.0	96.1	2.2	5.5	44.2	74.0	19.9
Vineyard V68W	3	155.6	96.1	1.7	7.5	45.4	74.8	20.5
Whisnand 73AW	3	148.7	96.6	0.9	10.0	45.9	75.5	21.6
Whisnand 73W	3	151.7	96.2	0.9	11.0	45.8	75.3	21.5
Whisnand 92AW	3	147.0	95.8	1.6	7.0	41.1	74.1	22.1
Zimmerman Z14W	3	144.3	96.1	2.0	10.6	45.3	76.6	21.2
Zimmerman Z16W	3	150.0	95.4	1.1	5.6	42.8	74.2	21.1
Zimmerman Z17W	3	138.7	96.2	0.7	6.3	44.7	76.9	19.7
Zimmerman Z54W	3	147.2	94.2	2.2	7.4	44.9	76.6	20.9
Zimmerman Z61W	3	150.7	94.6	1.0	4.9	46.6	75.9	19.5
Zimmerman Z63W	3	157.7	95.9	1.5	5.5	46.6	75.7	20.4
White check (K55×CI66)FR802W	3	134.8	88.7	2.6	11.7	47.7	77.3	21.7
Yellow check B73×Mo17	3	146.4	94.4	3.1	6.6	42.6	72.8	18.4
Yellow check Pioneer Brand 3320	3	155.0	93.0	1.2	5.5	40.9	73.7	19.2
Mean	.	149.5	94.9	1.3	7.7	43.8	74.8	20.9

Table 20. Yield and agronomic data from common entries in the 1989-1992 White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Asgrow RX956W	4	151.7	96.2	1.3	8.2	45.6	75.7	21.5
DeKalb Plant Genetics DK703W	4	151.4	93.0	3.0	4.9	44.1	74.5	19.8
Funk's G Brand 4644W	4	153.3	95.6	1.0	11.0	45.7	75.6	21.7
IFSI 88-6	4	149.2	96.3	1.3	6.7	42.2	74.7	22.7
NobleBear NB710W	4	155.0	92.5	3.2	6.6	41.1	72.0	17.6
ORO 200W	4	147.1	95.1	1.3	10.3	45.0	75.5	21.5
Triumph 1910W	4	149.9	96.0	1.2	5.0	42.5	74.6	22.5
Triumph 1990W	4	148.3	95.9	1.1	9.7	45.8	75.9	21.6
Vineyard V424W	4	144.5	95.6	1.1	4.6	43.4	73.9	19.3
Vineyard V58W	4	153.7	96.0	2.6	5.0	45.1	74.7	20.2
Vineyard V68W	4	154.2	96.7	2.4	7.4	45.8	75.6	20.9
Whisnand 73AW	4	150.2	96.3	1.5	9.3	46.1	76.1	21.8
Whisnand 73W	4	153.6	96.7	1.2	10.6	46.4	76.0	22.0
Whisnand 92AW	4	148.7	96.6	1.4	6.3	42.0	74.6	22.5
Zimmerman Z14W	4	146.5	96.7	3.2	9.2	46.6	77.4	21.7
Zimmerman Z16W	4	151.0	96.1	1.2	5.5	43.9	75.1	21.7
Zimmerman Z17W	4	142.0	97.1	1.0	5.6	46.0	77.6	20.0
Zimmerman Z54W	4	150.5	94.8	3.4	6.8	45.9	77.2	21.2
Zimmerman Z61W	4	154.0	94.8	1.1	4.8	47.3	76.6	19.9
Zimmerman Z63W	4	159.4	96.9	2.7	5.3	47.6	76.4	20.8
White check (K55×CI66)FR802W	4	135.9	88.7	4.4	10.7	48.3	77.9	22.1
Yellow check B73×Mo17	4	146.3	95.4	3.6	6.0	43.2	73.5	18.6
Yellow check Pioneer Brand 3320	4	156.6	93.9	2.7	5.1	41.8	74.7	19.5
Mean	.	150.1	95.3	2.0	7.1	44.8	75.4	20.9

Table 21. Yield and agronomic data from common entries in the 1988-1992 White Food Corn Performance Tests.

Entry	Years (no)	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Asgrow RX956W	5	150.5	96.7	1.3	8.5	44.5	76.7	21.7
Funk's G Brand 4644W	5	150.2	96.1	1.1	11.9	44.8	76.7	21.9
IFSI 88-6	5	148.9	96.0	1.2	7.2	41.3	75.4	22.6
NobleBear NB710W	5	152.7	92.2	4.4	6.4	40.6	72.9	17.8
Triumph 1990W	5	145.7	95.2	1.2	10.7	44.9	76.8	21.8
Vineyard V424W	5	142.6	94.8	1.0	4.9	42.7	74.8	19.3
Vineyard V58W	5	152.1	96.3	2.6	5.6	44.0	75.5	20.2
Vineyard V68W	5	153.8	96.1	2.3	7.2	44.9	76.6	21.1
Whisnand 73W	5	152.1	96.8	1.3	11.4	45.2	77.0	22.0
Zimmerman Z14W	5	146.7	95.9	4.0	10.2	45.6	78.3	21.9
Zimmerman Z16W	5	150.7	96.3	2.4	5.9	43.0	76.1	21.9
Zimmerman Z17W	5	142.0	97.3	1.2	5.9	45.1	78.5	20.4
Zimmerman Z54W	5	150.3	94.9	4.1	7.1	45.6	78.1	21.4
White check (K55×CI66)FR802W	5	135.6	89.2	5.1	10.6	47.6	79.1	22.4
Yellow check B73×Mo17	5	146.9	94.5	4.4	6.8	43.0	74.4	18.6
Yellow check Pioneer Brand 3320	5	156.4	94.1	3.2	4.9	41.5	75.5	19.5
Mean	.	148.6	95.1	2.5	7.8	44.0	76.4	20.9

Table 22. Combined grain quality data from the 1992 White Food Corn Performance Test grown at Lexington, KY; Columbia, MO; and Knoxville, TN. For pericarp removal data, grain from Columbia, MO; Knoxville, TN; and College Station, TX, was used.

Entry	No.	Test weight[†] (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Kernel density (g/cc)	Horneous endosperm (%)	Pericarp removal[‡] (1-5)
AgriGold A6795W	1	63.6	35.3	0.26	1.35	88.3	3.2
AgriGold A6796W	2	64.0	33.9	0.25	1.34	86.7	3.0
AgriGold XA274W	3	62.4	36.9	0.28	1.32	81.7	4.2
AgriGold XA2201W	4	63.0	36.6	0.28	1.32	83.3	2.5
AgriGold XA3202W	5	63.7	37.8	0.28	1.34	83.3	2.7
AgriGold XA4004W	6	64.3	38.0	0.28	1.35	85.0	3.0
AgriPro AP543W	7	63.9	37.1	0.28	1.35	85.0	2.3
AgriPro AP728W	8	64.2	37.3	0.28	1.34	83.3	3.7
Asgrow RX956W	9	63.6	34.4	0.26	1.35	85.0	3.7
Asgrow RX959W	10	64.2	41.6	0.31	1.35	83.3	1.8
Asgrow RX943W	11	64.2	33.7	0.25	1.34	83.3	2.8
Asgrow X9651W	12	64.3	36.4	0.27	1.36	85.0	3.0
Asgrow RX795W	13	64.2	39.6	0.29	1.36	80.0	3.2
Asgrow XP9431W	14	63.7	36.8	0.28	1.33	85.0	2.5
Cargill 9100W	15	65.0	37.8	0.28	1.35	88.3	3.2
Cargill 9400W	16	63.9	35.3	0.26	1.35	85.0	3.3
Cargill 9402W	17	63.8	36.6	0.27	1.36	85.0	3.5[†]
Cargill EXP 59300	18	63.7	39.0	0.29	1.36	80.0	3.3
Cargill EXP 59301	19	62.6	37.4	0.28	1.33	83.3	2.8
DeKalb Plant Genetics DK703W	20	64.1	40.9	0.30	1.35	83.3	2.2
DeKalb Plant Genetics EX1130338	21	62.3	43.9	0.33	1.32	76.7	2.7
Funk's G Brand 4592W	22	62.8	39.3	0.29	1.34	86.7	2.8
Funk's G Brand 4644W	23	64.0	35.3	0.26	1.35	85.0	3.3
Funk's G Brand 4652W	24	63.6	38.0	0.28	1.35	81.7	2.8
Funk's G Brand 4660W	25	64.1	35.5	0.26	1.36	83.3	3.3
Funk's G Brand EXP 5148W	26	64.5	37.1	0.27	1.36	85.0	2.8
Funk's G Brand EXP 6168W	27	63.3	37.0	0.28	1.34	83.3	3.3
ICI Seeds 8101W	28	64.5	36.1	0.27	1.35	85.0	3.5
ICI Seeds SC707W	29	62.8	36.1	0.27	1.34	83.3	3.0
GroAgri 4626	30	62.8	38.3	0.29	1.33	81.7	3.5
GroAgri 4627	31	64.9	37.8	0.28	1.35	86.7	3.2
Hoegemeyer 1125W	32	64.4	35.3	0.26	1.36	80.0	3.2
Hoegemeyer 1131W	33	64.5	37.5	0.28	1.36	85.0	2.8
Hoegemeyer 1142W	34	65.2	37.2	0.28	1.32	86.7	3.0
ICI Seeds 8320W	35	64.5	38.4	0.28	1.36	81.7	3.2
ICI Seeds 8122W	36	62.3	38.0	0.29	1.32	80.0	3.8
ICI Seeds N9163W	37	63.5	37.8	0.28	1.34	83.3	2.3
ICI Seeds N9300W	38	60.2	37.2	0.25	1.33	78.3	3.7
IFSI 88-6	39	65.0	37.8	0.28	1.35	85.0	2.8[†]
IFSI 90-2	40	63.3	37.2	0.28	1.33	81.7	2.2
IFSI 90-3	41	63.3	37.7	0.28	1.34	83.3	2.3
IFSI 91-3	42	63.4	36.1	0.27	1.33	85.0	3.0
IFSI 91-4	43	65.5	38.2	0.28	1.35	86.7	3.0
IFSI 92-1	44	63.6	37.7	0.28	1.33	81.7	3.2
Jacques EXP 0114W	45	65.0	37.8	0.28	1.34	86.7	3.2

Table 22. Continued.

Entry	No.	Test weight[†] (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Kernel density (g/cc)	Horneous endosperm (%)	Pericarp removal[‡] (1-5)
Jacques EXP 212W	46	61.5	37.6	0.28	1.33	76.7	3.3[†]
Jacques EXP 213W	47	63.0	37.1	0.28	1.33	83.3	4.0
Jacques EXP 214W	48	64.8	36.1	0.27	1.36	88.3	3.0
Jacques EXP 215W	49	62.8	37.4	0.28	1.32	78.3	2.2
Jacques EXP 216W	50	65.2	37.1	0.28	1.35	85.0	3.6
NC+ 7161W	51	63.0	38.3	0.29	1.34	86.7	2.5
NC+ 8141W	52	64.2	36.2	0.27	1.35	85.0	3.5
NC+ X7663W	53	62.4	36.9	0.28	1.34	83.3	2.2
NobleBear NB710W	54	57.4	36.3	0.28	1.30	73.3	2.7
NobleBear NB739W	55	60.5	35.0	0.26	1.32	80.0	3.2
NobleBear NB742W	56	61.4	36.3	0.27	1.33	78.3	3.2
NobleBear NB747W	57	60.5	36.1	0.27	1.33	76.7	2.3
NobleBear NBX1320W	58	61.9	35.2	0.27	1.31	80.0	2.7
Northrup King N8110W	59	63.9	35.2	0.26	1.34	85.0	3.0
Northrup King N8565W	60	64.9	36.9	0.28	1.34	83.3	3.7
Northrup King X780W	61	64.1	34.7	0.26	1.35	80.0	3.0
Ohlde EX168W	62	64.7	36.4	0.27	1.34	86.7	3.3
Ohlde EX181W	63	62.6	37.5	0.28	1.32	85.0	3.3
Ohlde EX198W	64	64.5	39.0	0.29	1.35	83.3	2.0
ORO 200W	65	63.5	38.1	0.28	1.34	85.0	2.0
ORO EXP 209	66	63.8	38.2	0.28	1.35	81.7	2.3
ORO 206W [EXP 1013]	67	62.9	37.0	0.28	1.32	83.3	3.3
Pioneer Brand 3281W	68	64.8	38.4	0.28	1.35	85.0	2.7
Pioneer Brand 3287W	69	62.5	35.2	0.26	1.35	83.3	3.5
Seed Source USN 471	70	59.3	32.0	0.24	1.32	75.0	3.3[§]
Seed Source USP 575	71	62.0	41.9	0.31	1.35	83.3	2.2
Sturdy Grow SG798W	72	62.9	34.5	0.26	1.34	80.0	3.2
Sturdy Grow SG909W	73	63.1	38.8	0.29	1.35	85.0	2.5
Sturdy Grow SG930W	74	65.3	36.6	0.27	1.35	85.0	2.8
Sturdy Grow EXP 28W	75	63.4	40.6	0.30	1.35	83.3	3.0
Sturdy Grow EXP 84W	76	60.1	33.4	0.25	1.32	75.0	3.7
Sturdy Grow EXP 169W	77	64.0	38.2	0.29	1.34	80.0	1.7
Taylor-Evans T-E 1166W	78	63.3	40.3	0.30	1.34	85.0	2.3
Taylor-Evans T-E 9007W	79	62.3	37.8	0.29	1.32	81.7	3.5
Taylor-Evans T-E EXP 2909W	80	64.6[¶]	35.2	0.26	1.35	88.3	2.8
Triumph 1910W	81	65.6[¶]	37.4	0.28	1.34	85.0	3.5
Triumph 1990W	82	64.8	35.9	0.27	1.35	85.0	2.5
Triumph TRX1829	83	63.4	37.2	0.28	1.34	80.0	2.7
Vineyard V58W	84	64.0	37.2	0.28	1.33	76.7	3.0
Vineyard V68W	85	64.0	35.9	0.27	1.34	86.7	2.5
Vineyard V424W	86	63.6	35.2	0.26	1.37	81.7	2.2
Vineyard V449W	87	64.9	35.5	0.26	1.36	90.0	3.2
Vineyard Vx4721W	88	63.2	37.6	0.28	1.35	83.3	3.5
Vineyard Vx4781W	89	61.7	31.8	0.24	1.34	86.7	2.8
Whisnand 51AW	90	64.6	38.9	0.29	1.35	83.3	3.0

Table 22. Continued.

Entry	No.	Test weight[†] (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Kernel density (g/cc)	Horneous endosperm (%)	Pericarp removal[‡] (1-5)
Whisnand 73AW	91	64.0	36.4	0.27	1.34	85.0	3.5
Whisnand 73W	92	64.4	35.8	0.27	1.34	86.7	3.2
Whisnand 74W	93	63.9	38.0	0.29	1.33	85.0	2.6
Whisnand 90AW	94	62.3	37.6	0.29	1.32	80.0	3.7
Whisnand 92AW	95	65.4	37.3	0.28	1.34	85.0	2.7
Wilson E4364	96	63.7	38.9	0.29	1.33	83.3	2.0
Wilson E14289	97	63.4	38.3	0.28	1.35	85.0	4.0
Wilson E14290	98	62.9	42.0	0.32	1.33	80.0	3.7
Wilson E14292	99	62.9	37.7	0.28	1.35	81.7	2.8
Wilson E14293	100	62.4	35.7	0.27	1.32	80.0	3.0
Wilson E14294	101	60.6	35.7	0.27	1.31	75.0	3.8
Zimmerman Z14W	102	62.6	37.1	0.28	1.33	83.3	2.5
Zimmerman Z16W	103	63.0	36.9	0.28	1.32	83.3	2.5
Zimmerman Z17W	104	62.5	37.6	0.28	1.34	83.3	2.3
Zimmerman Z54W	105	61.9	36.2	0.27	1.33	80.0	2.5
Zimmerman Z61W	106	63.3	38.9	0.29	1.34	85.0	2.3
Zimmerman Z63W	107	63.5	36.8	0.28	1.33	83.3	2.7
White check (K55×CI66)FR802W	108	63.0	39.1	0.29	1.35	85.0	2.5
Yellow check B73×Mo17	109	60.1	34.9	0.27	1.30	75.0	4.0
Yellow check Pioneer Brand 3320	110	63.3	37.4	0.28	1.32	83.3	3.3
Yellow check Pioneer Brand 3245	111	64.4	42.2	0.31	1.35	86.7	2.5
Mean		63.4	37.2	0.28	1.34	83.0	3.0
LSD 0.05		1.6	2.5	0.02	0.02	4.4	0.9

[†] Data on grain from Columbia, MO, and Knoxville, TN.
[‡] Rated on a scale in which 1 represents complete removal and 5 represents no removal.
[§] Data on grain from Knoxville, TN, and College Station, TX.
[¶] Data on grain from Columbia, MO, only.

Table 23. Yield and agronomic data from the 1992 Early White Food Corn Performance Test at Champaign, IL.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold 3202W	1	179.9	100.0	0.0	0.0	54.7	.	23.3
AgriGold XA274W	2	192.2	96.4	0.0	1.3	48.0	.	24.8
AgriGold XA2201W	3	184.2	99.4	0.6	2.4	44.3	.	25.3
AgriGold XA3201W	4	178.8	100.0	0.0	1.8	50.0	.	23.4
AgriGold XA4004W	5	213.1	100.0	0.0	1.2	53.0	.	21.3
AgriGold XA4113W	6	187.1	98.2	1.8	0.6	51.7	.	21.1
AgriPro AP543W	7	200.5	100.0	1.2	1.2	52.7	.	20.6
Asgrow X9371	8	172.3	98.8	0.0	2.4	46.3	.	21.8
Asgrow RX795W	9	197.0	100.0	0.0	7.1	52.7	.	20.7
Cargill EXP 59300	10	211.3	96.4	0.0	0.6	52.3	.	20.7
Cargill EXP 59301	11	165.3	98.2	0.6	2.4	48.3	.	24.1
DeKalb Plant Genetics DK703W	12	199.6	100.0	1.2	0.0	51.3	.	21.6
DeKalb Plant Genetics EX1130338	13	215.2	100.0	0.6	2.4	51.7	.	21.0
Funk's G Brand 4592W	14	187.3	95.8	0.0	0.0	54.0	.	21.7
Funk's G Brand EXP 5148W	15	163.5	97.6	0.0	1.2	54.0	.	22.1
Hoegemeyer 1125W	16	202.3	99.4	0.0	4.8	48.7	.	22.6
Hoegemeyer 1131W	17	203.6	99.4	0.0	1.2	54.0	.	20.8
Hoegemeyer 1142W	18	184.1	99.4	0.0	0.6	50.0	.	26.6
ICI Seeds 8320W	19	209.1	100.0	0.0	3.0	52.7	.	21.1
ICI Seeds N9300W	20	192.5	100.0	2.4	1.8	51.3	.	19.7
IFSI 90-1	21	207.5	95.8	0.0	1.9	52.3	.	20.5
IFSI 90-3	22	180.2	100.0	0.0	1.8	51.7	.	22.9
IFSI 91-1	23	191.0	100.0	0.0	0.6	48.3	.	21.3
IFSI 91-3	24	178.3	100.0	0.0	0.6	46.0	.	24.1
Jacques EXP 0112W	25	201.7	100.0	0.0	0.6	54.0	.	21.5
Jacques EXP 212W	26	188.2	92.3	0.6	1.3	55.0	.	21.1
NC+ 6555W	27	200.0	100.0	0.0	1.8	50.7	.	22.4
NobleBear NB563W	28	172.3	100.0	0.0	4.8	44.7	.	18.3
NobleBear NB571W	29	146.8	100.0	0.0	11.3	39.0	.	18.2
NobleBear NB710W	30	187.9	98.8	1.2	5.4	44.0	.	18.6
NobleBear NB742W	31	170.4	96.4	0.0	6.0	39.0	.	21.9
NobleBear NBX0330W	32	161.4	96.4	0.0	0.6	41.7	.	18.7
NobleBear NBX1320W	33	163.8	100.0	0.0	5.4	38.0	.	19.2
Pioneer Brand 3281W	34	194.0	100.0	0.0	0.6	50.0	.	20.7
Pioneer Brand 3287W	35	183.4	100.0	0.0	0.0	46.3	.	20.1
Pioneer Brand 3463W	36	169.4	92.3	0.0	0.0	45.7	.	18.7
Sturdy Grow SG796W	37	207.6	99.4	0.0	4.8	49.7	.	22.4
Sturdy Grow SG797W	38	206.7	100.0	0.0	2.4	50.3	.	22.6
Sturdy Grow SG798W	39	191.6	100.0	0.0	0.0	51.3	.	22.7
Sturdy Grow EXP 33W	40	186.9	97.6	0.6	1.2	51.3	.	24.9
Sturdy Grow EXP 74W	41	196.1	100.0	0.0	0.6	39.7	.	20.6
Sturdy Grow EXP 145W	42	191.8	100.0	0.0	1.2	51.0	.	20.8
Vineyard V417W	43	174.5	100.0	0.0	0.0	49.0	.	19.9
Vineyard V424W	44	191.4	97.6	1.2	0.6	43.3	.	21.5
Vineyard V427W	45	172.1	100.0	0.0	3.0	45.7	.	20.9

Table 23. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V449W	46	201.4	100.0	0.0	0.6	47.7	.	21.7
Vineyard V452W	47	190.4	100.0	0.0	1.2	44.0	.	19.6
Vineyard Vx91254W	48	197.7	97.6	0.6	0.6	49.7	.	20.2
Vineyard Vx91257W	49	200.9	100.0	0.0	0.0	54.3	.	20.3
Whisnand 51AAW	50	177.6	100.0	0.0	1.8	54.7	.	21.2
Whisnand 51AW	51	209.1	100.0	0.0	1.8	48.7	.	21.3
Whisnand 73AW	52	183.6	99.4	0.0	1.2	52.0	.	24.2
Whisnand 73W	53	200.5	97.6	0.6	2.4	51.0	.	24.4
Whisnand 74W	54	182.9	100.0	0.0	0.6	48.3	.	24.1
Whisnand 92AW	55	184.6	100.0	0.0	0.0	51.7	.	25.9
Wilson 1740W	56	195.6	98.2	0.6	2.4	48.7	.	22.5
Wilson E4361	57	180.3	100.0	0.0	0.0	43.3	.	21.2
Wilson E4394	58	198.3	100.0	0.0	1.2	48.7	.	23.3
Zimmerman Z17W	59	141.5	94.6	0.0	1.2	49.0	.	21.2
Zimmerman Z61W	60	176.0	95.2	0.7	4.4	52.3	.	22.0
Yellow check B73×Mo17	61	207.7	100.0	0.0	1.2	50.0	.	20.8
Mean		188.2	98.8	0.2	1.8	49.1	.	21.7
LSD 0.05		21.0	ns	ns	4.0	6.4		1.5
CV%		6.8			133.1	8.0		4.2

Table 24. Yield and agronomic data from the 1992 Early White Food Corn Performance Test at Galesburg, IL.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold 3202W	1	168.8	100.0	0.0	0.6	47.0	.	37.0
AgriGold XA274W	2	171.8	100.0	0.0	2.4	48.7	.	33.3
AgriGold XA2201W	3	176.9	100.0	0.0	1.2	43.0	.	33.7
AgriGold XA3201W	4	175.4	100.0	0.0	1.8	48.3	.	30.5
AgriGold XA4004W	5	194.6	100.0	0.0	0.6	52.0	.	28.4
AgriGold XA4113W	6	196.5	99.4	0.0	1.8	56.3	.	29.3
AgriPro AP543W	7	198.6	100.0	0.0	4.2	53.7	.	29.8
Asgrow X9371	8	151.9	97.0	0.0	1.2	48.7	.	31.9
Asgrow RX795W	9	194.9	100.0	0.0	1.8	53.7	.	28.8
Cargill EXP 59300	10	170.3	95.2	0.0	3.4	48.0	.	27.8
Cargill EXP 59301	11	183.7	92.9	0.0	4.7	44.3	.	32.6
DeKalb Plant Genetics DK703W	12	196.5	100.0	0.0	2.4	50.3	.	29.3
DeKalb Plant Genetics EX1130338	13	188.9	100.0	0.0	4.2	54.7	.	28.5
Funk's G Brand 4592W	14	190.5	100.0	0.0	1.8	51.3	.	28.4
Funk's G Brand EXP 5148W	15	163.7	98.2	0.0	1.2	47.7	.	34.4
Hoegemeyer 1125W	16	186.8	99.4	0.0	2.4	48.0	.	31.8
Hoegemeyer 1131W	17	194.7	98.8	0.0	2.4	52.3	.	29.1
Hoegemeyer 1142W	18	158.9	100.0	0.0	1.8	49.3	.	36.3
ICI Seeds 8320W	19	191.7	100.0	0.0	1.2	47.7	.	29.7
ICI Seeds N9300W	20	170.5	79.8	0.0	3.0	50.3	.	29.8
IFSI 90-1	21	181.6	100.0	0.0	3.6	54.3	.	28.2
IFSI 90-3	22	175.2	100.0	0.0	1.2	49.7	.	35.8
IFSI 91-1	23	179.7	100.0	0.0	2.4	47.3	.	28.0
IFSI 91-3	24	155.6	99.4	0.0	3.0	44.0	.	32.8
Jacques EXP 0112W	25	189.4	100.0	0.0	3.6	46.7	.	28.5
Jacques EXP 212W	26	173.6	88.7	0.0	2.1	48.3	.	29.1
NC+ 6555W	27	203.6	100.0	0.6	2.4	47.7	.	31.0
NobleBear NB563W	28	179.8	100.0	0.0	2.4	39.3	.	24.4
NobleBear NB571W	29	167.5	100.0	0.0	5.4	41.7	.	23.3
NobleBear NB710W	30	183.7	98.8	0.0	4.2	42.7	.	26.0
NobleBear NB742W	31	163.9	100.0	0.0	4.8	35.0	.	31.4
NobleBear NBX0330W	32	173.0	100.0	0.0	1.2	39.0	.	23.3
NobleBear NBX1320W	33	170.7	100.0	0.0	2.4	34.3	.	25.4
Pioneer Brand 3281W	34	173.3	99.4	0.0	1.8	43.3	.	31.4
Pioneer Brand 3287W	35	163.8	100.0	0.0	1.8	43.3	.	29.0
Pioneer Brand 3463W	36	158.9	98.8	0.0	0.6	43.7	.	24.8
Sturdy Grow SG796W	37	207.0	98.8	0.0	3.0	53.0	.	31.4
Sturdy Grow SG797W	38	211.3	100.0	0.0	3.6	50.3	.	31.1
Sturdy Grow SG798W	39	192.8	100.0	0.0	3.0	50.0	.	31.6
Sturdy Grow EXP 33W	40	190.3	98.8	0.0	3.6	54.3	.	28.0
Sturdy Grow EXP 74W	41	151.8	100.0	0.0	4.2	37.0	.	28.3
Sturdy Grow EXP 145W	42	185.1	100.0	0.0	6.5	56.0	.	28.9
Vineyard V417W	43	173.3	100.0	0.0	2.4	44.3	.	28.1
Vineyard V424W	44	180.3	100.0	0.0	4.2	51.0	.	32.1
Vineyard V427W	45	149.1	100.0	0.0	3.6	42.0	.	30.2

Table 24. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V449W	46	176.5	100.0	0.0	1.2	43.7	.	30.4
Vineyard V452W	47	168.4	100.0	0.0	0.0	47.7	.	28.4
Vineyard Vx91254W	48	190.7	100.0	0.0	4.2	46.3	.	28.2
Vineyard Vx91257W	49	196.1	100.0	0.0	4.8	52.0	.	29.5
Whisnand 51AAW	50	167.3	100.0	0.0	1.2	53.7	.	29.7
Whisnand 51AW	51	182.3	100.0	0.0	2.4	50.7	.	29.7
Whisnand 73AW	52	175.6	100.0	0.0	6.0	53.3	.	34.8
Whisnand 73W	53	181.0	100.0	0.0	4.8	50.7	.	35.7
Whisnand 74W	54	154.8	100.0	0.0	0.6	52.0	.	36.5
Whisnand 92AW	55	160.2	100.0	0.0	0.0	49.3	.	36.8
Wilson 1740W	56	175.9	100.0	0.6	3.6	50.3	.	30.3
Wilson E4361	57	166.4	98.2	0.0	3.0	50.0	.	29.3
Wilson E4394	58	201.5	100.0	0.0	5.4	44.0	.	32.2
Zimmerman Z17W	59	129.2	99.4	0.0	1.2	53.0	.	33.7
Zimmerman Z61W	60	165.8	100.0	0.0	3.6	54.0	.	32.3
Yellow check B73×Mo17	61	183.3	100.0	0.0	2.4	45.7	.	28.3
Mean		177.6	99.0	0.0	2.7	48.0	.	30.3
LSD 0.05		17.7	6.7	ns	ns	5.0		1.6
CV%		6.1	4.2			6.4		3.2

Table 25. Yield and agronomic data from the 1992 Early White Food Corn Performance Test at Wanatah, IN.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower (no)	Moist. (%)
AgriGold 3202W	1	147.1	86.7	0.0	0.0	50.7	.	36.1
AgriGold XA274W	2	150.4	91.0	1.6	1.6	45.2	.	36.0
AgriGold XA2201W	3	146.6	86.7	0.6	1.7	39.0	.	36.9
AgriGold XA3201W	4	140.5	89.0	0.0	3.2	46.8	.	35.5
AgriGold XA4004W	5	162.3	82.4	0.0	0.0	48.4	.	34.6
AgriGold XA4113W	6	139.6	84.3	1.1	1.7	49.9	.	35.7
AgriPro AP543W	7	155.7	85.2	0.5	1.7	51.5	.	34.8
Asgrow X9371	8	141.6	83.3	1.7	1.1	44.5	.	36.1
Asgrow RX795W	9	153.3	82.4	0.5	2.3	54.6	.	34.5
Cargill EXP 59300	10	150.4	86.7	2.8	3.3	48.7	.	34.0
Cargill EXP 59301	11	149.3	86.2	0.0	1.7	37.8	.	37.6
DeKalb Plant Genetics DK703W	12	166.1	85.2	0.0	0.0	47.2	.	35.3
DeKalb Plant Genetics EX1130338	13	155.3	91.4	1.0	2.1	48.4	.	34.8
Funk's G Brand 4592W	14	137.3	87.1	1.6	2.2	47.2	.	35.9
Funk's G Brand EXP 5148W	15	148.2	80.5	1.3	1.8	54.6	.	36.9
Hoegemeyer 1125W	16	153.6	82.9	1.1	3.4	51.9	.	35.2
Hoegemeyer 1131W	17	143.7	86.2	1.0	2.3	53.4	.	33.9
Hoegemeyer 1142W	18	143.9	86.7	0.5	2.8	43.3	.	34.9
ICI Seeds 8320W	19	155.9	90.0	1.6	1.0	49.1	.	34.4
ICI Seeds N9300W	20	148.8	82.4	2.9	2.3	45.2	.	35.6
IFSI 90-1	21	146.7	87.1	1.1	2.7	47.2	.	34.3
IFSI 90-3	22	142.4	91.0	0.0	2.1	47.6	.	37.0
IFSI 91-1	23	138.1	85.2	0.5	2.2	48.0	.	35.5
IFSI 91-3	24	145.3	88.6	0.5	2.2	42.5	.	36.4
Jacques EXP 0112W	25	145.6	87.6	0.0	2.2	47.6	.	35.6
Jacques EXP 212W	26	147.6	91.0	0.5	0.0	56.9	.	34.6
NC+ 6555W	27	156.3	86.7	1.7	1.1	51.5	.	35.0
NobleBear NB563W	28	145.1	84.3	4.0	0.5	33.1	.	33.8
NobleBear NB571W	29	141.4	87.1	2.2	3.3	35.1	.	33.1
NobleBear NB710W	30	160.7	82.4	2.3	4.6	41.3	.	35.6
NobleBear NB742W	31	141.0	85.2	1.7	1.7	34.7	.	35.6
NobleBear NBX0330W	32	127.6	88.1	4.3	2.8	33.9	.	32.5
NobleBear NBX1320W	33	138.6	87.1	2.2	1.1	38.2	.	34.6
Pioneer Brand 3281W	34	138.6	87.6	3.2	2.7	43.7	.	36.2
Pioneer Brand 3287W	35	135.2	91.0	5.2	2.1	43.3	.	34.5
Pioneer Brand 3463W	36	123.7	80.5	4.1	1.2	40.9	.	32.7
Sturdy Grow SG796W	37	165.5	83.3	1.7	2.3	48.0	.	35.6
Sturdy Grow SG797W	38	159.8	86.7	1.1	2.2	50.3	.	35.5
Sturdy Grow SG798W	39	165.9	86.2	0.5	2.2	51.9	.	33.9
Sturdy Grow EXP 33W	40	144.9	88.1	1.0	3.8	47.6	.	34.3
Sturdy Grow EXP 74W	41	158.4	86.2	1.1	2.8	39.4	.	35.6
Sturdy Grow EXP 145W	42	136.7	85.2	0.0	2.3	48.7	.	36.6
Vineyard V417W	43	144.5	82.9	1.8	1.1	40.9	.	35.1
Vineyard V424W	44	142.0	83.3	0.6	0.0	42.1	.	35.9
Vineyard V427W	45	131.8	86.7	0.0	1.1	45.6	.	36.2

Table 25. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower (no)	Moist. (%)
Vineyard V449W	46	144.9	88.1	0.0	1.1	40.6	.	36.8
Vineyard V452W	47	135.0	90.5	2.2	4.7	39.8	.	34.2
Vineyard Vx91254W	48	141.0	88.6	0.0	4.3	41.3	.	33.2
Vineyard Vx91257W	49	142.2	89.0	0.5	3.7	56.9	.	33.5
Whisnand 51AAW	50	147.5	91.4	1.0	0.5	48.4	.	34.7
Whisnand 51AW	51	154.0	86.7	1.6	1.1	50.3	.	34.4
Whisnand 73AW	52	147.1	89.0	2.2	4.2	49.9	.	36.5
Whisnand 73W	53	148.6	89.0	0.5	3.3	53.0	.	36.3
Whisnand 74W	54	136.5	87.6	2.2	1.1	48.0	.	36.2
Whisnand 92AW	55	142.6	89.0	0.5	1.6	52.3	.	36.7
Wilson 1740W	56	150.0	85.7	5.4	1.7	50.7	.	35.7
Wilson E4361	57	144.2	87.1	0.5	0.6	47.6	.	33.8
Wilson E4394	58	149.8	87.1	1.1	2.8	50.7	.	36.1
Zimmerman Z17W	59	140.7	88.6	1.1	2.1	48.4	.	34.7
Zimmerman Z61W	60	144.2	84.3	0.0	1.7	56.5	.	35.7
Yellow check B73×Mo17	61	164.0	89.5	2.8	0.5	44.8	.	33.4
Mean		146.6	86.7	1.4	2.0	46.5	.	35.2
LSD 0.05		13.2	5.3	2.8	ns	.		1.6
CV%		5.5	3.8	125.0				2.9

† Data from one replication.

Table 26. Yield and agronomic data from the 1992 Early White Food Corn Performance Test at Marion, Iowa.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold 3202W	1	158.8	100.0	0.7	3.5	47.0	89.0	32.0
AgriGold XA274W	2	151.3	100.0	0.0	1.4	46.0	88.0	33.7
AgriGold XA2201W	3	141.0	100.0	0.0	7.6	40.0	85.0	32.7
AgriGold XA3201W	4	152.1	99.3	0.0	42.6	45.0	85.7	29.4
AgriGold XA4004W	5	158.9	100.0	0.0	22.9	50.7	89.0	27.3
AgriGold XA4113W	6	163.8	100.0	0.0	14.6	53.7	89.3	28.4
AgriPro AP543W	7	182.4	100.0	0.0	13.2	48.3	87.7	25.8
Asgrow X9371	8	140.8	99.3	0.0	43.4	43.7	87.0	27.8
Asgrow RX795W	9	171.8	100.0	0.0	6.9	49.3	88.7	26.7
Cargill EXP 59300	10	170.1	100.0	0.0	5.6	49.3	88.7	26.8
Cargill EXP 59301	11	157.7	100.0	0.0	4.2	42.3	86.3	31.7
DeKalb Plant Genetics DK703W	12	170.4	97.9	4.2	8.7	47.3	88.3	27.2
DeKalb Plant Genetics EX1130338	13	163.9	99.3	0.0	13.3	50.3	89.3	27.5
Funk's G Brand 4592W	14	174.0	99.3	0.0	11.2	49.0	88.3	26.6
Funk's G Brand EXP 5148W	15	130.7	100.0	0.0	4.2	47.7	91.3	28.9
Hoegemeyer 1125W	16	167.6	99.3	0.0	11.8	49.3	89.3	28.4
Hoegemeyer 1131W	17	183.0	100.0	0.0	9.7	51.0	88.3	26.4
Hoegemeyer 1142W	18	133.7	100.0	0.0	16.0	43.7	90.7	32.9
ICI Seeds 8320W	19	182.9	98.6	0.0	8.5	52.0	89.0	26.7
ICI Seeds N9300W	20	159.0	99.3	0.0	0.0	49.0	87.0	31.4
IFSI 90-1	21	177.7	98.6	0.0	4.9	53.7	88.7	25.8
IFSI 90-3	22	146.8	100.0	0.0	6.9	46.3	90.3	31.8
IFSI 91-1	23	154.6	99.3	0.0	0.7	53.0	91.0	31.3
IFSI 91-3	24	144.6	100.0	0.0	35.4	45.0	87.7	29.7
Jacques EXP 0112W	25	195.3	100.0	0.0	23.6	47.3	88.0	25.2
Jacques EXP 212W	26	171.4	99.3	0.0	14.2	53.7	89.3	29.4
NC+ 6555W	27	170.0	99.3	0.7	15.4	47.3	89.7	29.7
NobleBear NB563W	28	170.7	98.6	0.0	4.3	35.0	81.7	24.7
NobleBear NB571W	29	181.0	100.0	0.7	12.5	39.7	82.3	22.2
NobleBear NB710W	30	193.3	99.3	0.0	9.8	41.0	83.0	26.0
NobleBear NB742W	31	156.4	100.0	0.0	11.1	36.7	83.0	27.5
NobleBear NBX0330W	32	165.4	100.0	0.7	0.0	33.0	82.7	22.8
NobleBear NBX1320W	33	169.8	98.6	0.0	2.1	35.7	83.0	24.4
Pioneer Brand 3281W	34	141.9	98.6	0.0	0.0	43.0	88.3	26.2
Pioneer Brand 3287W	35	175.6	99.3	0.0	1.4	40.7	82.3	26.3
Pioneer Brand 3463W	36	135.6	99.3	0.0	0.0	36.0	81.0	22.5
Sturdy Grow SG796W	37	173.5	100.0	0.0	18.1	48.0	88.3	28.8
Sturdy Grow SG797W	38	155.6	98.6	0.0	15.4	45.0	90.0	30.5
Sturdy Grow SG798W	39	164.5	95.8	0.7	16.8	47.7	88.3	30.4
Sturdy Grow EXP 33W	40	171.8	100.0	0.0	9.0	47.3	88.7	26.5
Sturdy Grow EXP 74W	41	152.9	99.3	0.0	5.6	43.3	86.3	31.7
Sturdy Grow EXP 145W	42	156.7	100.0	0.7	3.5	56.0	89.7	29.4
Vineyard V417W	43	183.1	100.0	0.0	0.0	46.7	88.0	27.5
Vineyard V424W	44	160.0	99.3	0.0	2.1	46.7	86.7	29.4
Vineyard V427W	45	134.3	98.6	0.0	1.4	37.0	83.7	28.1

Table 26. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V449W	46	162.4	99.3	0.0	17.4	47.0	88.3	31.1
Vineyard V452W	47	155.5	99.3	0.7	8.4	46.3	88.0	28.6
Vineyard Vx91254W	48	180.2	99.3	0.0	2.8	46.7	86.7	26.3
Vineyard Vx91257W	49	185.3	100.0	0.0	6.9	56.7	89.7	27.6
Whisnand 51AAW	50	160.3	99.3	0.0	4.2	55.3	89.7	29.6
Whisnand 51AW	51	179.5	100.0	0.7	5.6	51.0	88.7	26.2
Whisnand 73AW	52	159.1	100.0	3.5	25.7	52.0	89.7	30.5
Whisnand 73W	53	161.7	98.6	0.0	20.8	54.0	92.0	32.1
Whisnand 74W	54	156.2	100.0	0.0	9.7	47.3	89.7	31.5
Whisnand 92AW	55	149.9	100.0	0.0	11.8	44.7	89.7	32.8
Wilson 1740W	56	163.5	99.3	2.1	11.2	53.0	89.3	30.9
Wilson E4361	57	154.9	99.3	0.0	9.8	49.3	88.7	26.8
Wilson E4394	58	153.7	99.3	0.0	7.7	50.0	90.3	29.9
Zimmerman Z17W	59	114.9	100.0	0.0	0.7	52.0	91.0	30.9
Zimmerman Z61W	60	138.1	95.1	0.0	7.1	55.0	91.3	28.2
Yellow check B73 × Mo17	61	168.7	99.3	0.7	8.4	50.0	88.7	28.7
Mean		161.6	99.4	0.3	10.2	47.0	87.9	28.5
LSD 0.05		19.2	ns	ns	19.1	4.4	2.3	1.9
CV%		7.3			115.0	5.7	1.6	4.1

Table 27. Yield and agronomic data from the 1992 Early White Food Corn Performance Test at Knoxville, TN.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower† (no)	Moist. (%)
AgriGold 3202W	1	204.9	96.7	0.0	0.0	45.8	81.7	21.9
AgriGold XA274W	2	188.7	94.0	0.0	0.0	43.4	79.0	21.8
AgriGold XA2201W	3	193.7	96.0	0.0	0.0	42.9	78.7	20.1
AgriGold XA3201W	4	191.1	94.0	0.0	0.0	45.2	79.0	20.0
AgriGold XA4004W	5	199.0	91.3	0.0	0.0	48.7	80.0	19.2
AgriGold XA4113W	6	211.8	92.0	0.0	0.0	48.7	80.0	18.9
AgriPro AP543W	7	198.0†	86.7	0.0	0.0	48.1	79.0	19.7†
Asgrow X9371	8	186.9	92.0	0.0	0.0	46.9	78.7	19.8
Asgrow RX795W	9	229.3	93.3	0.0	0.0	48.7	80.0	19.3
Cargill EXP 59300	10	189.5	92.7	0.0	0.7	48.7	79.0	18.8
Cargill EXP 59301	11	191.9	90.0	0.0	0.8	41.1	79.0	21.7
DeKalb Plant Genetics DK703W	12	193.4	90.0	0.0	0.0	42.9	80.0	20.0
DeKalb Plant Genetics EX1130338	13	225.7	95.3	0.0	1.4	52.9	79.0	19.8
Funk's G Brand 4592W	14	207.8	92.7	0.0	0.0	50.6	79.0	19.4
Funk's G Brand EXP 5148W	15	216.7	88.7	0.0	0.0	52.3	82.0	21.3
Hoegemeyer 1125W	16	188.9	96.0	0.0	0.0	44.6	79.7	21.6
Hoegemeyer 1131W	17	188.4	92.7	0.0	0.0	46.4	79.7	20.0
Hoegemeyer 1142W	18	186.3	90.7	0.0	0.7	44.6	81.7	23.8
ICI Seeds 8320W	19	197.0	97.3	0.0	0.0	48.1	79.0	19.2
ICI Seeds N9300W	20	188.8	95.3	0.0	0.0	49.3	78.7	17.7
IFSI 90-1	21	234.7†	88.7	0.0	0.8	48.7	79.7	19.6†
IFSI 90-3	22	207.0	92.7	0.0	0.0	45.2	82.0	21.9
IFSI 91-1	23	190.7	89.3	0.0	1.5	46.9	80.7	19.0
IFSI 91-3	24	170.8	88.7	0.0	0.0	43.4	80.0	20.8
Jacques EXP 0112W	25	199.9	95.3	0.0	0.0	47.6	79.0	19.1
Jacques EXP 212W	26	189.9	92.7	0.0	0.0	48.7	79.0	19.5
NC+ 6555W	27	191.2	95.3	0.0	0.0	44.6	79.0	20.2
NobleBear NB563W	28	172.3	92.7	0.0	0.0	36.8	79.7	16.9
NobleBear NB571W	29	164.5	93.3	0.0	2.3	38.6	79.0	16.6
NobleBear NB710W	30	188.1	94.7	0.0	2.1	47.6	78.7	17.2
NobleBear NB742W	31	180.3	92.7	0.0	0.0	35.0	79.7	20.3
NobleBear NBX0330W	32	168.5	88.0	0.0	1.3	36.8	79.0	17.8
NobleBear NBX1320W	33	186.5	92.7	0.0	0.0	46.9	79.7	18.4
Pioneer Brand 3281W	34	223.8	95.3	0.0	0.0	45.8	82.0	21.2
Pioneer Brand 3287W	35	183.2	92.0	0.0	0.7	41.7	79.0	19.8
Pioneer Brand 3463W	36	174.0	92.7	0.0	0.0	44.1	77.0	17.9
Sturdy Grow SG796W	37	174.4	96.0	0.0	0.0	47.6	80.7	21.0
Sturdy Grow SG797W	38	184.6	92.7	0.0	0.0	48.7	79.0	20.4
Sturdy Grow SG798W	39	182.3	92.0	0.0	0.0	46.9	80.0	20.5
Sturdy Grow EXP 33W	40	179.5	94.0	0.0	0.0	48.1	80.0	19.0
Sturdy Grow EXP 74W	41	167.0	92.7	0.0	2.2	41.7	81.0	20.1
Sturdy Grow EXP 145W	42	191.4	93.3	0.0	0.7	49.3	80.0	19.7
Vineyard V417W	43	154.9	93.3	0.0	0.7	41.1	79.7	19.0
Vineyard V424W	44	185.0	95.3	0.0	0.0	46.9	79.7	19.7
Vineyard V427W	45	162.6	86.7	0.0	0.0	37.4	78.7	19.6

Table 27. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height† (in)	Days to flower† (no)	Moist. (%)
Vineyard V449W	46	178.6	100.7	0.0	0.6	39.3	79.0	19.4
Vineyard V452W	47	160.8	94.7	0.0	0.0	42.9	79.0	18.5
Vineyard Vx91254W	48	183.1	96.7	0.0	0.7	42.9	79.0	18.8
Vineyard Vx91257W	49	180.4	91.3	0.0	0.0	52.9	79.0	20.1
Whisnand 51AAW	50	227.0	93.3	0.0	0.0	49.9	80.7	18.8
Whisnand 51AW	51	188.4	91.3	0.0	0.7	45.8	79.0	19.5
Whisnand 73AW	52	202.4	92.0	0.0	1.4	46.9	80.7	21.8
Whisnand 73W	53	194.5	91.3	0.0	2.2	48.7	82.7	22.8
Whisnand 74W	54	194.9	94.0	0.0	0.0	46.9	82.0	22.4
Whisnand 92AW	55	191.4	95.3	0.0	0.7	45.2	81.0	24.1
Wilson 1740W	56	211.6	89.3	0.0	2.2	44.6	80.0	21.6
Wilson E4361	57	196.9	83.3	0.0	0.0	46.9	78.7	19.8
Wilson E4394	58	185.5	98.0	0.0	0.0	45.8	81.0	20.6
Zimmerman Z17W	59	217.8	93.3	0.0	0.0	46.9	81.7	20.2
Zimmerman Z61W	60	213.3	94.7	0.0	0.0	51.1	81.7	21.6
Yellow check B73×Mo17	61	171.0	96.0	0.0	0.0	44.6	79.0	18.1
Mean		191.5	92.9	0.0	0.4	45.7	79.8	19.9
LSD 0.05		33.6	ns	ns	1.5	4.8	1.8	0.9
CV%		10.7			229.4	5.2	1.1	2.9

† Data from two replications.

Table 28. Yield and agronomic data from the 1992 Early White Food Corn Performance Test at Halfway, TX.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold 3202W	1	142.7	107.4	.	.	39.3	77.7	14.9
AgriGold XA274W	2	171.1	105.6	.	.	39.3	76.0	14.4
AgriGold XA2201W	3	201.3	100.9	.	.	33.7	73.3	15.6
AgriGold XA3201W	4	170.2	94.4	.	.	38.0	74.7	15.5†
AgriGold XA4004W	5	172.1	100.0	.	.	40.7	76.3	16.6
AgriGold XA4113W	6	157.6	101.9	.	.	41.3	75.7	17.5†
AgriPro AP543W	7	213.3	96.3	.	.	41.3	75.0	15.9
Asgrow X9371	8	161.5	104.6	.	.	39.3	73.3	16.1†
Asgrow RX795W	9	147.2	100.9	.	.	42.7	75.7	18.0
Cargill EXP 59300	10	144.4	88.9	.	.	42.0	75.0	15.6
Cargill EXP 59301	11	174.3	95.4	.	.	32.7	73.3	18.7†
DeKalb Plant Genetics DK703W	12	168.3	107.4	.	.	39.0	76.0	17.1
DeKalb Plant Genetics EX1130338	13	142.4	100.0	.	.	44.7	73.7	14.7
Funk's G Brand 4592W	14	168.9	101.9	.	.	45.0	74.7	14.8
Funk's G Brand EXP 5148W	15	156.9	100.9	.	.	41.7	76.7	16.7
Hoegemeyer 1125W	16	135.1	98.1	.	.	39.7	77.0	18.5
Hoegemeyer 1131W	17	148.1	93.5	.	.	42.7	76.0	17.0
Hoegemeyer 1142W	18	170.1	116.7	.	.	40.0	76.0	14.9†
ICI Seeds 8320W	19	149.8	98.1	.	.	41.3	75.3	15.2
ICI Seeds N9300W	20	147.9	97.2	.	.	42.0	74.0	12.6
IFSI 90-1	21	170.8	95.4	.	.	42.3	75.7	13.8
IFSI 90-3	22	176.8	97.2	.	.	40.0	76.7	14.4
IFSI 91-1	23	166.9	105.6	.	.	41.7	75.3	16.0
IFSI 91-3	24	158.0	96.3	.	.	39.0	73.0	14.5
Jacques EXP 0112W	25	183.7	98.1	.	.	41.3	75.7	16.6†
Jacques EXP 212W	26	163.9	100.9	.	.	42.3	75.3	15.9
NC+ 6555W	27	143.7	101.9	.	.	41.0	75.7	14.6
NobleBear NB563W	28	161.1	108.3	.	.	35.7	74.0	13.4
NobleBear NB571W	29	168.0	96.3	.	.	35.0	72.0	14.1
NobleBear NB710W	30	126.8	102.8	.	.	38.7	74.3	13.6
NobleBear NB742W	31	161.1	101.9	.	.	32.0	74.7	16.0
NobleBear NBX0330W	32	135.9	90.7	.	.	31.7	73.7	15.4
NobleBear NBX1320W	33	180.7	89.8	.	.	36.3	74.0	15.0
Pioneer Brand 3281W	34	165.0†	101.9	.	.	35.7	75.7	13.0†
Pioneer Brand 3287W	35	172.9	94.4	.	.	36.3	72.3	16.0
Pioneer Brand 3463W	36	171.1	94.4	.	.	38.0	72.0	15.9
Sturdy Grow SG796W	37	193.5	100.0	.	.	39.7	74.7	16.2
Sturdy Grow SG797W	38	145.5	92.6	.	.	41.3	75.3	14.1†
Sturdy Grow SG798W	39	143.3	100.9	.	.	42.3	76.0	14.8
Sturdy Grow EXP 33W	40	149.2	94.4	.	.	41.3	75.0	15.8
Sturdy Grow EXP 74W	41	138.4	98.1	.	.	32.0	75.0	14.3†
Sturdy Grow EXP 145W	42	106.7	98.1	.	.	40.3	75.3	14.1
Vineyard V417W	43	195.0	106.5	.	.	39.0	74.7	15.4
Vineyard V424W	44	165.2	100.9	.	.	38.7	74.3	19.6
Vineyard V427W	45	181.4	98.1	.	.	34.3	74.3	15.6

Table 28. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V449W	46	155.3	102.8	.	.	36.7	75.0	15.6
Vineyard V452W	47	178.8	104.6	.	.	38.0	74.3	17.2
Vineyard Vx91254W	48	107.8	108.3	.	.	38.0	73.7	15.2
Vineyard Vx91257W	49	125.3	100.0	.	.	42.3	74.3	14.9
Whisnand 51AAW	50	149.1	82.4	.	.	42.7	74.7	17.4
Whisnand 51AW	51	170.2	106.5	.	.	42.3	76.0	15.2
Whisnand 73AW	52	183.4	98.1	.	.	43.7	76.0	15.1
Whisnand 73W	53	169.4	111.1	.	.	43.0	76.0	15.6
Whisnand 74W	54	161.1	105.6	.	.	40.3	76.7	15.4
Whisnand 92AW	55	187.5	117.6	.	.	42.7	75.7	15.9
Wilson 1740W	56	142.8	102.8	.	.	39.0	76.0	14.7
Wilson E4361	57	155.6	88.0	.	.	40.7	75.0	14.5
Wilson E4394	58	183.5[†]	103.7	.	.	42.0	76.0	14.3[†]
Zimmerman Z17W	59	183.5	104.6	.	.	39.7	78.3	15.1
Zimmerman Z61W	60	145.0	100.9	.	.	40.0	77.7	14.6[†]
Yellow check B73×Mo17	61	143.2	101.9	.	.	40.0	74.0	16.5
Mean		160.8	100.2	.	.	39.6	75.1	15.5
LSD 0.05		ns	ns			4.0	1.8	ns
CV%						6.1	1.5	

[†] Data from two replications.

Table 29. Combined yield and agronomic data from four northern locations of the 1992 Early White Food Corn Performance Test.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
AgriGold 3202W	1	163.7	96.7	0.2	1.0	49.8	89.0	32.1
AgriGold XA274W	2	166.4	96.8	0.4	1.7	47.0	88.0	31.9
AgriGold XA2201W	3	162.2	96.5	0.3	3.2	41.6	85.0	32.2
AgriGold XA3201W	4	161.7	97.1	0.0	12.4	47.5	85.7	29.7
AgriGold XA4004W	5	182.3	95.6	0.0	6.2	51.0	89.0	27.9
AgriGold XA4113W	6	171.7	95.5	0.7	4.7	52.9	89.3	28.6
AgriPro AP543W	7	184.3	96.3	0.4	5.1	51.5	87.7	27.7
Asgrow X9371	8	151.7	94.6	0.4	12.1	45.8	87.0	29.4
Asgrow RX795W	9	179.2	95.6	0.1	4.5	52.6	88.7	27.7
Cargill EXP 59300	10	175.5	94.6	0.7	3.2	49.6	88.7	27.3
Cargill EXP 59301	11	164.0	94.3	0.2	3.2	43.2	86.3	31.5
DeKalb Plant Genetics DK703W	12	183.1	95.8	1.3	2.8	49.0	88.3	28.3
DeKalb Plant Genetics EX1130338	13	180.8	97.7	0.4	5.5	51.3	89.3	27.9
Funk's G Brand 4592W	14	172.3	95.6	0.4	3.8	50.4	88.3	28.2
Funk's G Brand EXP 5148W	15	151.5	94.1	0.3	2.1	51.0	91.3	30.6
Hoegemeyer 1125W	16	177.6	95.2	0.3	5.6	49.5	89.3	29.5
Hoegemeyer 1131W	17	181.3	96.1	0.3	3.9	52.7	88.3	27.5
Hoegemeyer 1142W	18	155.2	96.5	0.1	5.3	46.6	90.7	32.7
ICI Seeds 8320W	19	184.9	97.2	0.4	3.4	50.4	89.0	28.0
ICI Seeds N9300W	20	167.7	90.4	1.3	1.8	49.0	87.0	29.1
IFSI 90-1	21	178.4	95.4	0.3	3.3	51.9	88.7	27.2
IFSI 90-3	22	161.2	97.7	0.0	3.0	48.8	90.3	31.9
IFSI 91-1	23	165.9	96.1	0.1	1.5	49.2	91.0	29.0
IFSI 91-3	24	155.9	97.0	0.1	10.3	44.4	87.7	30.8
Jacques EXP 0112W	25	183.0	96.9	0.0	7.5	48.9	88.0	27.7
Jacques EXP 212W	26	170.2	92.8	0.3	4.4	53.5	89.3	28.6
NC+ 6555W	27	182.5	96.5	0.7	5.2	49.3	89.7	29.5
NobleBear NB563W	28	167.0	95.7	1.0	3.0	38.0	81.7	25.3
NobleBear NB571W	29	159.2	96.8	0.7	8.1	38.9	82.3	24.2
NobleBear NB710W	30	181.4	94.8	0.9	6.0	42.3	83.0	26.6
NobleBear NB742W	31	157.9	95.4	0.4	5.9	36.3	83.0	29.1
NobleBear NBX0330W	32	156.9	96.1	1.2	1.1	36.9	82.7	24.3
NobleBear NBX1320W	33	160.7	96.4	0.5	2.7	36.6	83.0	25.9
Pioneer Brand 3281W	34	161.9	96.4	0.8	1.3	45.0	88.3	28.6
Pioneer Brand 3287W	35	164.5	97.6	1.3	1.3	43.4	82.3	27.5
Pioneer Brand 3463W	36	146.9	92.7	1.0	0.4	41.6	81.0	24.7
Sturdy Grow SG796W	37	188.4	95.4	0.4	7.0	49.7	88.3	29.6
Sturdy Grow SG797W	38	183.3	96.3	0.3	5.9	49.0	90.0	29.9
Sturdy Grow SG798W	39	178.7	95.5	0.3	5.5	50.2	88.3	29.7
Sturdy Grow EXP 33W	40	173.5	96.1	0.4	4.4	50.1	88.7	28.4
Sturdy Grow EXP 74W	41	164.8	96.4	0.3	3.3	39.8	86.3	29.0
Sturdy Grow EXP 145W	42	167.6	96.3	0.2	3.4	52.9	89.7	28.9
Vineyard V417W	43	168.8	95.7	0.4	0.9	45.2	88.0	27.7
Vineyard V424W	44	168.4	95.1	0.5	1.7	45.8	86.7	29.7
Vineyard V427W	45	146.8	96.3	0.0	2.3	42.6	83.7	28.8

Table 29. Continued.

Entry	No.	Yield (bu/a)	Stand (%)	Root lodged (%)	Stalk lodged (%)	Ear height (in)	Days to flower (no)	Moist. (%)
Vineyard V449W	46	171.3	96.9	0.0	5.1	44.7	88.3	30.0
Vineyard V452W	47	162.3	97.4	0.7	3.6	44.4	88.0	27.7
Vineyard Vx91254W	48	177.4	96.4	0.2	3.0	46.0	86.7	27.0
Vineyard Vx91257W	49	181.1	97.3	0.1	3.9	55.0	89.7	27.7
Whisnand 51AAW	50	163.2	97.7	0.3	1.9	53.0	89.7	28.8
Whisnand 51AW	51	181.2	96.7	0.6	2.7	50.2	88.7	27.9
Whisnand 73AW	52	166.4	97.1	1.4	9.3	51.8	89.7	31.5
Whisnand 73W	53	172.9	96.3	0.3	7.8	52.2	92.0	32.1
Whisnand 74W	54	157.6	96.9	0.5	3.0	48.9	89.7	32.1
Whisnand 92AW	55	159.3	97.3	0.1	3.4	49.5	89.7	33.1
Wilson 1740W	56	171.2	95.8	2.2	4.7	50.7	89.3	29.9
Wilson E4361	57	161.5	96.2	0.1	3.4	47.6	88.7	27.8
Wilson E4394	58	175.8	96.6	0.3	4.3	48.3	90.3	30.4
Zimmerman Z17W	59	131.6	95.7	0.3	1.3	50.6	91.0	30.1
Zimmerman Z61W	60	156.0	93.7	0.2	4.2	54.5	91.3	29.5
Yellow check B73×Mo17	61	180.9	97.2	0.9	3.1	47.6	88.7	27.8
Mean		168.5	96.0	0.5	4.2	47.7	87.9	28.9
LSD 0.05		15.1	ns	ns	ns	3.7	2.3	2.0
CV%		6.5				6.0	1.6	3.5
Location means: Champaign, IL		188.2	98.8	0.2	1.8	49.1	.	21.7
Galesburg, IL		177.6	99.0	0.0	2.7	48.0	.	30.3
Wanatah, IN		146.6	86.7	1.4	2.0	46.5	.	35.2
Marion, IA		161.6	99.4	0.3	10.2	47.0	87.9	28.5

Table 30. Yield data (bu/a) from four northern locations of the 1992 Early White Food Corn Performance Test.

Entry	No.	Champaign, IL	Galesburg, IL	Wanatah, IN	Marion, IA	Combined
AgriGold 3202W	1	179.9	168.8	147.1	158.8	163.7
AgriGold XA274W	2	192.2	171.8	150.4	151.3	166.4
AgriGold XA2201W	3	184.2	176.9	146.6	141.0	162.2
AgriGold XA3201W	4	178.8	175.4	140.5	152.1	161.7
AgriGold XA4004W	5	213.1	194.6	162.3	158.9	182.3
AgriGold XA4113W	6	187.1	196.5	139.6	163.8	171.7
AgriPro AP543W	7	200.5	198.6	155.7	182.4	184.3
Asgrow X9371	8	172.3	151.9	141.6	140.8	151.7
Asgrow RX795W	9	197.0	194.9	153.3	171.8	179.2
Cargill EXP 59300	10	211.3	170.3	150.4	170.1	175.5
Cargill EXP 59301	11	165.3	183.7	149.3	157.7	164.0
DeKalb Plant Genetics DK703W	12	199.6	196.5	166.1	170.4	183.1
DeKalb Plant Genetics EX1130338	13	215.2	188.9	155.3	163.9	180.8
Funk's G Brand 4592W	14	187.3	190.5	137.3	174.0	172.3
Funk's G Brand EXP 5148W	15	163.5	163.7	148.2	130.7	151.5
Hoegemeyer 1125W	16	202.3	186.8	153.6	167.6	177.6
Hoegemeyer 1131W	17	203.6	194.7	143.7	183.0	181.3
Hoegemeyer 1142W	18	184.1	158.9	143.9	133.7	155.2
ICI Seeds 8320W	19	209.1	191.7	155.9	182.9	184.9
ICI Seeds N9300W	20	192.5	170.5	148.8	159.0	167.7
IFSI 90-1	21	207.5	181.6	146.7	177.7	178.4
IFSI 90-3	22	180.2	175.2	142.4	146.8	161.2
IFSI 91-1	23	191.0	179.7	138.1	154.6	165.9
IFSI 91-3	24	178.3	155.6	145.3	144.6	155.9
Jacques EXP 0112W	25	201.7	189.4	145.6	195.3	183.0
Jacques EXP 212W	26	188.2	173.6	147.6	171.4	170.2
NC+ 6555W	27	200.0	203.6	156.3	170.0	182.5
NobleBear NB563W	28	172.3	179.8	145.1	170.7	167.0
NobleBear NB571W	29	146.8	167.5	141.4	181.0	159.2
NobleBear NB710W	30	187.9	183.7	160.7	193.3	181.4
NobleBear NB742W	31	170.4	163.9	141.0	156.4	157.9
NobleBear NBX0330W	32	161.4	173.0	127.6	165.4	156.9
NobleBear NBX1320W	33	163.8	170.7	138.6	169.8	160.7
Pioneer Brand 3281W	34	194.0	173.3	138.6	141.9	161.9
Pioneer Brand 3287W	35	183.4	163.8	135.2	175.6	164.5
Pioneer Brand 3463W	36	169.4	158.9	123.7	135.6	146.9
Sturdy Grow SG796W	37	207.6	207.0	165.5	173.5	188.4
Sturdy Grow SG797W	38	206.7	211.3	159.8	155.6	183.3
Sturdy Grow SG798W	39	191.6	192.8	165.9	164.5	178.7
Sturdy Grow EXP 33W	40	186.9	190.3	144.9	171.8	173.5
Sturdy Grow EXP 74W	41	196.1	151.8	158.4	152.9	164.8
Sturdy Grow EXP 145W	42	191.8	185.1	136.7	156.7	167.6
Vineyard V417W	43	174.5	173.3	144.5	183.1	168.8
Vineyard V424W	44	191.4	180.3	142.0	160.0	168.4
Vineyard V427W	45	172.1	149.1	131.8	134.3	146.8

Table 30. Continued.

Entry	No.	Champaign, IL	Galesburg, IL	Wanatah, IN	Marion, IA	Combined
Vineyard V449W	46	201.4	176.5	144.9	162.4	171.3
Vineyard V452W	47	190.4	168.4	135.0	155.5	162.3
Vineyard Vx91254W	48	197.7	190.7	141.0	180.2	177.4
Vineyard Vx91257W	49	200.9	196.1	142.2	185.3	181.1
Whisnand 51AAW	50	177.6	167.3	147.5	160.3	163.2
Whisnand 51AW	51	209.1	182.3	154.0	179.5	181.2
Whisnand 73AW	52	183.6	175.6	147.1	159.1	166.4
Whisnand 73W	53	200.5	181.0	148.6	161.7	172.9
Whisnand 74W	54	182.9	154.8	136.5	156.2	157.6
Whisnand 92AW	55	184.6	160.2	142.6	149.9	159.3
Wilson 1740W	56	195.6	175.9	150.0	163.5	171.2
Wilson E4361	57	180.3	166.4	144.2	154.9	161.5
Wilson E4394	58	198.3	201.5	149.8	153.7	175.8
Zimmerman Z17W	59	141.5	129.2	140.7	114.9	131.6
Zimmerman Z61W	60	176.0	165.8	144.2	138.1	156.0
Yellow check B73×Mo17	61	207.7	183.3	164.0	168.7	180.9
Mean		188.2	177.6	146.6	161.6	168.5
LSD 0.05		21.0	17.7	13.2	19.2	15.1
CV%		6.8	6.1	5.5	7.3	6.5

Table 31. Combined European corn borer whorl-leaf feeding and stalk tunneling data from Columbia and Novelty, MO, for the 1992 Early White Food Corn Performance Test.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
AgriGold 3202W	1	3.8	0.7	0.9
AgriGold XA274W	2	2.7	0.6	0.6
AgriGold XA2201W	3	2.3	0.8	1.0
AgriGold XA3201W	4	1.8	0.5	0.5
AgriGold XA4004W	5	3.2	0.7	0.8
AgriGold XA4113W	6	3.5	0.8	0.9
AgriPro AP543W	7	2.5	0.8	0.8
Asgrow X9371	8	3.2	0.7	0.7
Asgrow RX795W	9	3.2	0.8	1.0
Cargill EXP 59300	10	3.7	0.7	0.8
Cargill EXP 59301	11	2.7	0.9	1.1
DeKalb Plant Genetics DK703W	12	4.3	0.9	1.0
DeKalb Plant Genetics EX1130338	13	5.5	0.4	0.4
Funk's G Brand 4592W	14	3.2	0.7	0.9
Funk's G Brand EXP 5148W	15	2.0	0.6	0.8
Hoegemeyer 1125W	16	2.7	1.3	1.6
Hoegemeyer 1131W	17	2.8	0.7	0.8
Hoegemeyer 1142W	18	2.8	0.4	0.5
ICI Seeds 8320W	19	3.3	0.9	1.1
ICI Seeds N9300W	20	4.5	0.9	1.0
IFSI 90-1	21	3.7	1.1	1.4
IFSI 90-3	22	3.3	0.6	0.6
IFSI 91-1	23	3.5	0.4	0.5
IFSI 91-3	24	2.3	0.3	0.4
Jacques EXP 0112W	25	3.5	0.7	0.8
Jacques EXP 212W	26	3.8	0.9	1.2
NC+ 6555W	27	3.3	1.0	1.1
NobleBear NB563W	28	2.7	0.8	0.8
NobleBear NB571W	29	2.5	0.7	0.8
NobleBear NB710W	30	3.8	0.6	0.9
NobleBear NB742W	31	4.3	0.8	1.0
NobleBear NBX0330W	32	2.0	0.6	0.7
NobleBear NBX1320W	33	2.3	0.7	0.9
Pioneer Brand 3281W	34	2.7	0.6	0.6
Pioneer Brand 3287W	35	3.8	0.7	0.7
Pioneer Brand 3463W	36	2.7	0.4	0.4
Sturdy Grow SG796W	37	3.2	0.6	0.7
Sturdy Grow SG797W	38	2.3	0.5	0.5
Sturdy Grow SG798W	39	2.7	0.7	0.7
Sturdy Grow EXP 33W	40	2.8	0.8	1.0
Sturdy Grow EXP 74W	41	1.7	0.5	0.5
Sturdy Grow EXP 145W	42	2.8	0.7	0.7
Vineyard V417W	43	4.5	0.9	1.1
Vineyard V424W	44	3.0	1.4	1.6
Vineyard V427W	45	1.8	0.4	0.6

Table 31. Continued.

Entry	No.	Leaf feeding (1-9)	No. of tunnels (no)	Tunnel length (in)
Vineyard V449W	46	2.5	0.7	0.8
Vineyard V452W	47	3.8	0.9	1.1
Vineyard Vx91254W	48	3.3	1.0	1.1
Vineyard Vx91257W	49	3.3	1.0	1.1
Whisnand 51AAW	50	3.5	0.9	1.1
Whisnand 51AW	51	3.3	0.8	1.2
Whisnand 73AW	52	2.7	0.4	0.5
Whisnand 73W	53	3.2	0.5	0.6
Whisnand 74W	54	3.3	0.3	0.3
Whisnand 92AW	55	2.3	0.5	0.6
Wilson 1740W	56	3.0	0.6	0.7
Wilson E4361	57	3.5	0.8	0.9
Wilson E4394	58	3.3	0.8	1.0
Zimmerman Z17W	59	1.7	0.7	0.7
Zimmerman Z61W	60	2.2	0.6	0.7
Yellow check B73×Mo17	61	3.3	0.7	0.7
Susceptible check (Ki3)		6.0	0.9	1.0
Susceptible check (WF9×W1 82E)		5.2	1.8	2.3
Resistant check (Pioneer Brand 3184)		3.5	0.4	0.4
Mean		3.2	0.7	0.8
LSD 0.05		1.0	0.6	0.8
CV%		26.2	69.3	78.8

Table 32. Yield and agronomic data from common entries in the 1991-1992 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. (%)
AgriGold XA4004W	2	162.9	98.2	0.4	7.5	50.0	79.2	24.6
Asgrow RX795W	2	161.1	96.7	0.7	4.8	49.8	79.4	24.5
Cargill EXP 59300	2	164.3	96.3	0.9	4.7	49.4	78.4	24.3
DeKalb Plant Genetics DK703W	2	156.9	91.1	1.2	4.5	47.1	78.5	24.9
Funk's G Brand 4592W	2	140.0	94.9	0.2	6.1	49.6	81.3	25.4
Hoegemeyer 1142W	2	144.7	96.1	0.6	4.4	44.8	80.5	28.5
IFSI 90-1	2	164.5	97.8	0.5	5.2	50.4	78.9	24.2
IFSI 90-3	2	148.0	98.7	0.2	3.6	46.8	80.5	27.6
IFSI 91-1	2	149.0	97.3	0.6	3.6	48.3	80.0	25.2
IFSI 91-3	2	147.5	95.8	0.1	7.9	44.9	78.0	26.6
NobleBear NB563W	2	158.8	96.8	1.3	4.8	38.1	73.7	21.8
NobleBear NB571W	2	148.0	97.2	0.5	7.5	38.9	74.0	21.2
NobleBear NB710W	2	165.6	94.2	1.9	7.5	42.2	74.0	23.1
NobleBear NB742W	2	152.1	96.9	0.8	7.3	35.9	74.5	25.1
NC+ 6555W	2	166.1	97.2	1.2	5.5	48.0	79.9	26.1
Pioneer Brand 3281W	2	149.8	97.2	0.5	2.9	44.6	79.5	24.6
Pioneer Brand 3463W	2	141.8	95.1	1.1	2.7	41.2	73.2	21.8
Sturdy Grow EXP 145W	2	153.4	97.8	0.6	4.8	50.2	79.2	24.8
Sturdy Grow SG798W	2	164.0	97.6	0.5	6.2	48.2	79.8	26.3
Vineyard V417W	2	147.3	97.5	1.0	2.3	45.0	78.4	23.7
Vineyard V424W	2	156.8	97.4	1.3	3.2	45.9	77.5	25.9
Vineyard V427W	2	139.0	97.6	0.0	3.9	41.2	76.2	24.9
Vineyard V449W	2	162.0	98.4	2.5	5.0	44.8	78.5	26.2
Vineyard V452W	2	142.8	97.3	1.1	4.3	43.4	77.7	23.8
Whisnand 51AW	2	163.8	97.9	0.6	4.3	48.6	78.5	24.9
Whisnand 73AW	2	149.9	97.2	0.8	10.6	49.8	80.9	27.8
Whisnand 73W	2	154.3	96.9	0.3	8.4	50.2	82.0	28.4
Whisnand 92AW	2	146.9	96.2	0.5	3.4	46.6	80.4	28.7
Wilson E4361	2	157.2	98.0	0.7	4.7	48.4	78.5	24.7
Zimmerman Z17W	2	113.0	97.1	0.2	4.5	48.6	82.9	26.3
Zimmerman Z61W	2	140.8	96.1	0.1	4.7	51.7	83.2	25.7
Yellow check B73×Mo17	2	159.1	97.5	0.9	5.4	45.9	78.9	24.1
Mean		152.2	96.8	0.7	5.2	46.2	78.6	25.2

Table 33. Yield and agronomic data from common entries in the 1990-1992 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. (%)
DeKalb Plant Genetics DK703W	3	157.1	93.4	1.7	5.4	48.1	79.1	24.0
IFSI 90-1	3	163.8	97.8	1.1	5.7	50.3	79.6	22.9
NobleBear NB563W	3	162.0	97.0	1.1	5.8	38.1	74.7	20.8
NobleBear NB571W	3	150.5	97.6	0.4	7.8	38.2	74.7	20.5
NobleBear NB710W	3	167.5	95.0	2.1	7.6	42.8	75.0	22.1
Pioneer Brand 3463W	3	142.4	94.1	0.8	2.8	41.6	74.2	20.8
Vineyard V424W	3	158.6	97.1	0.9	3.5	46.6	78.2	24.5
Vineyard V427W	3	140.9	97.8	0.0	5.2	42.0	77.6	24.1
Vineyard V452W	3	143.1	96.9	1.0	4.6	43.3	78.0	23.0
Whisnand 73AW	3	151.8	97.4	0.8	12.3	49.7	80.9	26.7
Whisnand 73W	3	154.8	97.4	0.4	11.4	50.3	80.9	27.3
Whisnand 92AW	3	150.3	96.8	0.7	5.0	46.3	80.9	28.0
Zimmerman Z17W	3	120.3	97.7	0.2	5.6	49.7	83.1	25.0
Zimmerman Z61W	3	140.8	96.2	0.1	5.1	52.3	83.8	24.3
Yellow check B73×Mo17	3	161.6	97.0	0.9	6.8	45.8	79.1	23.0
Mean	.	151.1	96.6	0.8	6.3	45.7	78.7	23.8

Table 34. Yield and agronomic data from common entries in the 1989-1992 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. (%)
DeKalb Plant Genetics DK703W	4	151.7	94.3	3.8	5.8	47.7	79.1	23.6
NobleBear NB563W	4	159.3	97.6	3.6	5.9	37.9	74.5	20.2
NobleBear NB571W	4	149.0	97.7	2.6	7.8	38.3	75.1	20.1
NobleBear NB710W	4	164.3	95.3	3.7	7.7	42.8	75.0	21.6
Pioneer Brand 3463W	4	137.3	92.5	1.6	3.3	41.1	74.4	20.4
Vineyard V424W	4	154.9	97.8	1.8	4.8	47.2	78.2	23.9
Vineyard V427W	4	138.5	98.5	2.4	7.0	41.4	77.1	23.3
Whisnand 73AW	4	147.6	97.1	2.5	11.8	48.8	80.9	26.4
Whisnand 73W	4	150.7	98.1	2.3	11.7	49.9	81.0	27.0
Yellow check B73 × Mo17	4	156.4	97.7	2.1	7.0	45.7	79.1	22.6
Mean	.	151.0	96.6	2.6	7.3	44.1	77.4	22.9

Table 35. Yield and agronomic data from common entries in the 1988-1992 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. (%)
NobleBear NB563W	5	154.8	97.3	3.1	5.3	37.2	74.7	19.7
NobleBear NB571W	5	145.4	96.7	2.4	7.3	37.1	75.2	19.6
NobleBear NB710W	5	161.0	95.3	4.8	7.7	42.4	75.4	21.4
Vineyard V424W	5	148.6	97.4	1.7	4.7	46.9	78.4	23.4
Whisnand 73W	5	144.6	97.7	2.3	10.4	50.2	81.2	26.6
Yellow check B73×Mo17	5	154.6	97.0	2.2	6.8	45.5	79.2	22.5
Mean	.	151.5	96.9	2.8	7.0	43.2	77.4	22.2

Table 36. Combined grain quality data from the 1992 Early White Food Corn Performance Test grown at Champaign, IL, and Marion, IA.

Entry	No.	Test weight (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Kernel density (g/cc)	Horneous endosperm (%)	Pericarp removal† (1-5)
AgriGold 3202W	1	61.6	36.9	0.28	1.33	85.0	2.5
AgriGold XA274W	2	58.8	35.2	0.27	1.30	82.5	3.5
AgriGold XA2201W	3	59.5	37.3	0.29	1.31	80.0	3.3
AgriGold XA3201W	4	61.3	33.3	0.25	1.33	82.5	4.0
AgriGold XA4004W	5	62.0	35.7	0.27	1.34	82.5	2.0
AgriGold XA4113W	6	59.5	34.6	0.26	1.31	77.5	3.0
AgriPro AP543W	7	62.1	35.2	0.26	1.34	80.0	2.8
Asgrow X9371	8	59.8	31.2	0.24	1.32	80.0	3.3
Asgrow RX795W	9	61.5	33.2	0.25	1.32	77.5	2.3
Cargill EXP 59300	10	62.0	34.4	0.26	1.34	82.5	2.8
Cargill EXP 59301	11	60.3	33.2	0.25	1.31	82.5	3.0
DeKalb Plant Genetics DK703W	12	61.7	37.0	0.28	1.32	80.0	2.0
DeKalb Plant Genetics EX1130338	13	58.8	36.3	0.28	1.28	75.0	2.8
Funk's G Brand 4592W	14	63.6	36.3	0.27	1.34	80.0	3.8
Funk's G Brand EXP 5148W	15	61.6	34.9	0.26	1.32	85.0	3.3
Hoegemeyer 1125W	16	60.5	31.0	0.24	1.31	77.5	3.5
Hoegemeyer 1131W	17	61.3	33.9	0.26	1.33	82.5	2.5
Hoegemeyer 1142W	18	61.8	32.6	0.25	1.32	87.5	3.3
ICI Seeds 8320W	19	61.8	32.9	0.25	1.33	77.5	3.0
ICI Seeds N9300W	20	56.1	31.7	0.25	1.29	75.0	3.8
IFSI 90-1	21	61.5	35.1	0.27	1.30	80.0	2.3
IFSI 90-3	22	60.2	34.3	0.26	1.32	82.5	2.0
IFSI 91-1	23	60.2	35.5	0.27	1.32	75.0	2.8
IFSI 91-3	24	59.4	29.9	0.23	1.31	82.5	3.3
Jacques EXP 0112W	25	61.5	33.5	0.25	1.32	77.5	2.0
Jacques EXP 212W	26	60.5	37.9	0.29	1.32	80.0	2.5
NC+ 6555W	27	60.4	33.9	0.26	1.32	77.5	2.3
NobleBear NB563W	28	59.3	39.4	0.31	1.28	75.0	2.3
NobleBear NB571W	29	59.8	38.8	0.30	1.29	75.0	3.5
NobleBear NB710W	30	56.2	34.6	0.27	1.27	70.0	3.0
NobleBear NB742W	31	58.2	32.7	0.25	1.30	77.5	3.0
NobleBear NBX0330W	32	60.3	34.6	0.27	1.27	80.0	3.0
NobleBear NBX1320W	33	60.7	35.8	0.28	1.29	75.0	2.8
Pioneer Brand 3281W	34	60.1	33.8	0.25	1.33	85.0	3.0
Pioneer Brand 3287W	35	61.8	31.1	0.23	1.33	85.0	3.5
Pioneer Brand 3463W	36	61.3	31.1	0.23	1.32	85.0	2.0
Sturdy Grow SG796W	37	60.7	32.4	0.24	1.33	77.5	2.8
Sturdy Grow SG797W	38	60.5	33.2	0.25	1.32	72.5	2.5
Sturdy Grow SG798W	39	61.2	32.9	0.25	1.33	75.0	1.8
Sturdy Grow EXP 33W	40	61.2	33.9	0.25	1.34	77.5	3.3
Sturdy Grow EXP 74W	41	57.0	29.1	0.22	1.29	72.5	3.0
Sturdy Grow EXP 145W	42	60.5	35.5	0.27	1.32	75.0	3.3
Vineyard V417W	43	61.3	30.1	0.23	1.34	87.5	2.3
Vineyard V424W	44	59.1	30.8	0.23	1.32	82.5	2.5
Vineyard V427W	45	61.2	29.3	0.22	1.35	85.0	2.3

Table 36. Continued.

Entry	No.	Test weight (lb/bu)	100-kernel weight (g)	Kernel size (cc)	Kernel density (g/cc)	Horneous endosperm (%)	Pericarp removal[†] (1-5)
Vineyard V449W	46	62.1	32.5	0.24	1.35	85.0	2.8
Vineyard V452W	47	60.1	29.9	0.22	1.33	85.0	3.0
Vineyard Vx91254W	48	59.9	31.2	0.24	1.31	77.5	2.0
Vineyard Vx91257W	49	61.0	29.7	0.22	1.34	85.0	3.0
Whisnand 51AAW	50	60.2	35.0	0.27	1.31	77.5	2.8
Whisnand 51AW	51	62.5	35.2	0.26	1.34	82.5	3.0
Whisnand 73AW	52	61.4	32.0	0.24	1.34	85.0	3.5
Whisnand 73W	53	60.2	31.5	0.24	1.33	85.0	3.0
Whisnand 74W	54	59.2	33.5	0.25	1.32	87.5	2.3
Whisnand 92AW	55	61.4	32.9	0.25	1.34	85.0	3.0
Wilson 1740W	56	60.0	31.2	0.23	1.33	80.0	2.5
Wilson E4361	57	62.4	35.7	0.27	1.33	82.5	3.3
Wilson E4394	58	61.5	33.6	0.25	1.33	82.5	2.5
Zimmerman Z17W	59	59.9	33.9	0.26	1.33	82.5	2.5
Zimmerman Z61W	60	61.5	34.3	0.26	1.33	77.5	2.5
Yellow check B73×Mo17	61	57.9	32.5	0.25	1.28	70.0	3.8
Mean		60.5	33.6	0.25	1.32	80.2	2.8
LSD 0.05		2.3	3.5	0.02	0.03	5.3	1.4

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

Table 37. Effects of nicosulfuron (Accent) and primisulfuron (Beacon) on yield, root lodging, ear height, and days to flowering for entries in the 1992 White Food Corn Performance Test grown at Lexington, KY. Data are based on three replications of nontreated plots and one replication of data for each herbicide.

Entry	No.	Yield (bu/a)			Root lodging (%)			Ear height (in)			Days to flower		
		Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.
AgriGold A6795W	1	215.6	205.9	204.5	0.0	12.5	2.8	50.0	44.8	48.7	72.0	72.0	72.0
AgriGold A6796W	2	195.2	187.7	210.4	0.0	22.2	0.0	45.5	46.8	39.0	74.0	72.0	72.0
AgriGold XA274W	3	205.9	188.6	181.2	0.0	0.0	12.5	40.9	42.9	39.0	70.7	70.0	70.0
AgriGold XA2201W	4	200.2	201.3	200.7	0.0	0.0	13.9	39.0	39.0	39.0	70.0	70.0	70.0
AgriGold XA3202W	5	183.6	206.8	216.3	0.0	0.0	9.7	47.4	47.6	42.9	73.3	72.0	74.0
AgriGold XA4004W	6	216.9	202.2	209.2	0.0	2.8	0.0	47.4	40.9	40.9	71.3	70.0	70.0
AgriPro AP543W	7	209.6	212.6	213.6	0.0	0.0	0.0	47.4	44.8	48.7	70.7	72.0	72.0
AgriPro AP728W	8	198.5	199.7	192.5	0.0	0.0	1.4	45.5	48.7	43.7	72.0	72.0	72.0
Asgrow RX956W	9	204.3	202.8	194.4	0.0	1.4	9.7	48.1	46.8	46.8	72.7	72.0	72.0
Asgrow RX959W	10	220.3	217.7	195.3	0.0	15.3	11.1	47.4	44.8	48.7	77.0	74.0	77.0
Asgrow RX943W	11	206.1	206.3	203.4	0.0	8.3	5.6	50.7	43.7	44.8	72.0	72.0	72.0
Asgrow X9651W	12	190.3	179.6	187.6	0.0	9.7	2.8	46.1	48.7	44.8	74.0	72.0	72.0
Asgrow RX795W	13	230.2	218.4	212.7	0.0	0.0	0.0	48.7	46.8	46.8	70.7	70.0	70.0
Asgrow XP9431W	14	208.6	193.8	199.0	0.0	12.5	0.0	38.3	33.1	40.9	70.0	70.0	70.0
Cargill 9100W	15	196.3	208.8	206.6	0.5	1.4	5.6	43.5	39.0	39.0	72.0	70.0	70.0
Cargill 9400W	16	202.5	204.8	210.9	0.5	0.0	4.2	44.8	40.9	43.7	72.7	72.0	72.0
Cargill 9402W	17	224.3	206.4	220.3	0.0	13.9	0.0	44.8	42.9	42.9	72.0	72.0	72.0
Cargill EXP 59300	18	209.4	228.5	208.5	0.0	0.0	0.0	50.0	46.0	44.8	71.3	72.0	70.0
Cargill EXP 59301	19	191.7	187.7	226.0	0.0	13.9	0.0	38.3	33.5	38.2	70.0	70.0	70.0
DeKalb Plant Genetics DK703W	20	214.2	198.4	213.6	0.0	0.0	0.0	43.5	48.7	45.6	72.0	72.0	72.0
DeKalb Plant Genetics EX1130338	21	209.7	201.2	193.8	0.0	0.0	0.0	48.1	51.9	48.7	70.7	70.0	70.0
Funk's G Brand 4592W	22	198.7	192.2	200.2	0.0	15.3	8.3	50.0	44.8	48.0	73.3	74.0	74.0
Funk's G Brand 4644W	23	214.4	208.8	222.2	0.0	1.4	0.0	45.5	45.6	50.7	72.0	72.0	72.0
Funk's G Brand 4652W	24	211.8	221.1	234.7	0.0	0.0	1.4	52.0	43.7	43.7	72.7	72.0	74.0
Funk's G Brand 4660W	25	199.2	207.1	226.5	0.0	0.0	2.8	46.1	46.8	44.8	72.0	72.0	72.0
Funk's G Brand EXP 5148W	26	204.6	199.8	207.0	0.0	0.0	0.0	50.0	50.7	44.8	70.0	70.0	70.0
Funk's G Brand EXP 6168W	27	206.7	202.2	201.0	0.0	0.0	18.1	38.3	42.1	36.3	70.0	70.0	70.0
ICI Seeds 8101W	28	205.1	215.7	198.6	0.0	1.4	0.0	46.8	44.8	42.1	73.7	72.0	72.0
ICI Seeds SC707W	29	212.4	222.5	183.6	0.0	23.6	6.9	46.8	40.9	39.0	71.3	72.0	70.0
GroAgri 4626	30	196.9	195.6	166.0	0.0	11.1	20.8	46.1	40.9	39.8	70.0	70.0	70.0

Table 37. Continued.

Entry	No.	Yield (bu/a)			Root lodging (%)			Ear height (in)			Days to flower		
		Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.
GroAgri 4627	31	205.1	177.8	185.8	0.0	11.1	0.0	41.6	40.9	40.9	71.3	72.0	70.0
Hoegemeyer 1125W	32	207.2	212.4	220.8	0.0	0.0	15.3	46.1	40.9	44.8	71.3	70.0	70.0
Hoegemeyer 1131W	33	204.2	204.8	186.4	0.0	8.3	2.8	49.4	44.8	45.6	71.3	70.0	72.0
Hoegemeyer 1142W	34	197.5	187.4	213.0	0.0	6.9	0.0	45.5	43.7	40.9	72.0	72.0	72.0
ICI Seeds 8320W	35	220.7	206.0	218.7	0.0	0.0	0.0	51.3	42.1	44.8	71.3	70.0	70.0
ICI Seeds 8122W	36	187.4	187.1	173.2	0.0	0.0	6.9	40.9	43.7	42.1	70.0	70.0	70.0
ICI Seeds N9163W	37	201.1	208.5	210.0	0.0	0.0	0.0	49.4	42.9	39.0	72.0	72.0	72.0
ICI Seeds N9300W	38	199.3	163.9	180.1	0.0	0.0	13.9	48.1	47.6	39.0	70.0	70.0	67.0
IFSI 88-6	39	191.9	201.3	192.5	0.0	0.0	0.0	41.6	40.9	44.8	71.3	72.0	70.0
IFSI 90-2	40	206.5	191.2	211.7	0.0	13.9	0.0	40.9	35.1	33.1	70.0	70.0	70.0
IFSI 90-3	41	207.2	149.5	190.7	0.0	51.4	1.4	46.8	42.9	46.8	72.0	72.0	72.0
IFSI 91-3	42	214.6	191.2	205.2	0.0	0.0	2.8	44.8	43.7	48.0	70.7	70.0	70.0
IFSI 91-4	43	213.9	191.8	214.2	0.0	12.5	0.0	49.4	44.8	42.9	72.0	72.0	72.0
IFSI 92-1	44	185.1	185.7	180.4	0.0	6.9	9.7	46.1	41.7	39.0	70.7	72.0	70.0
Jacques EXP 0114W	45	181.8	189.4	198.0	0.0	0.0	4.2	42.9	42.9	44.8	72.0	70.0	72.0
Jacques EXP 212W	46	221.4	214.3	208.5	0.0	5.6	0.0	44.2	43.7	52.6	70.7	70.0	70.0
Jacques EXP 213W	47	192.3	174.5	204.1	0.0	23.6	5.6	42.9	44.8	43.7	70.0	70.0	72.0
Jacques EXP 214W	48	193.7	186.5	197.9	0.0	4.2	2.8	44.2	46.8	46.8	71.3	70.0	70.0
Jacques EXP 215W	49	196.4	187.3	182.5	0.0	0.0	9.7	39.0	35.1	40.9	70.0	70.0	70.0
Jacques EXP 216W	50	201.0	198.4	202.3	0.0	0.0	0.0	44.2	40.9	35.1	70.7	72.0	70.0
NC+ 7161W	51	195.3	202.4	202.0	0.0	2.8	29.2	49.4	47.6	40.9	72.0	74.0	72.0
NC+ 8141W	52	210.5	202.2	219.4	0.0	0.0	9.7	46.8	46.8	50.7	72.0	72.0	72.0
NC+ X7663W	53	225.6	218.3	191.1	0.0	2.8	20.8	52.0	46.8	43.7	72.7	72.0	72.0
NobleBear NB710W	54	197.1	189.6	215.8	0.0	29.2	5.6	45.5	38.2	38.2	69.0	67.0	70.0
NobleBear NB739W	55	199.9	147.2	179.4	0.0	25.0	25.0	33.1	26.1	29.2	69.0	70.0	67.0
NobleBear NB742W	56	188.0	194.0	180.6	0.0	0.0	5.6	34.4	36.3	33.1	70.0	70.0	67.0
NobleBear NB747W	57	192.8	207.1	173.6	0.0	1.4	63.9	33.8	29.2	27.3	70.0	70.0	70.0
NobleBear NBX1320W	58	185.4	174.2	172.0	0.0	30.6	5.6	35.1	29.2	29.2	69.0	70.0	70.0
Northrup King N8110W	59	225.2	191.6	207.9	0.0	0.0	16.7	50.7	46.8	46.8	72.0	72.0	72.0
Northrup King N8565W	60	205.3	179.8	206.6	0.0	12.5	6.9	40.9	37.0	46.8	70.3	70.0	70.0

Table 37. Continued.

Entry	No.	Yield (bu/a)			Root lodging (%)			Ear height (in)			Days to flower		
		Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.
Northrup King X780W	61	211.2	213.1	211.6	0.0	0.0	5.6	46.8	40.9	40.9	72.0	70.0	70.0
Ohlde EX168W	62	201.0	203.5	214.1	0.0	2.8	0.0	40.9	48.7	40.9	72.0	72.0	72.0
Ohlde EX181W	63	192.0	176.3	211.0	0.0	2.8	0.0	45.5	40.6	40.9	70.0	70.0	70.0
Ohlde EX198W	64	223.2	228.2	212.7	0.0	0.0	2.8	48.4	42.9	44.8	72.0	70.0	70.0
ORO 200W	65	200.7	178.0	209.8	0.0	13.9	2.8	44.8	35.9	42.9	71.3	70.0	70.0
ORO EXP 209	66	212.9	231.1	227.7	0.0	0.0	0.0	44.8	46.8	52.6	71.3	72.0	72.0
ORO 206W [EXP 1013]	67	185.9	183.8	202.6	0.0	16.7	0.0	45.5	39.0	37.0	70.0	70.0	72.0
Pioneer Brand 3281W	68	204.5	192.9	201.6	0.0	0.0	0.0	42.2	35.9	35.1	72.0	70.0	72.0
Pioneer Brand 3287W	69	175.0	175.0	160.7	0.0	0.0	61.1	38.3	44.8	35.9	68.0	67.0	67.0
Seed Source USN 471	70	184.0	214.7	194.0	0.0	0.0	31.9	46.8	44.8	43.7	72.0	74.0	72.0
Seed Source USP 575	71	171.1	203.6	200.1	0.0	2.8	36.1	52.6	52.6	53.8	77.0	74.0	77.0
Sturdy Grow SG798W	72	221.5	212.4	187.6	0.0	25.0	8.3	46.8	37.0	41.7	70.0	72.0	72.0
Sturdy Grow SG909W	73	197.0	172.7	175.3	0.0	6.9	15.3	46.8	42.9	44.8	72.0	70.0	70.0
Sturdy Grow SG930W	74	198.1	192.5	190.6	0.0	11.1	2.8	47.4	42.1	37.0	72.7	72.0	72.0
Sturdy Grow EXP 28W	75	182.4	192.1	185.7	0.0	5.6	0.0	41.6	37.0	41.7	70.0	70.0	70.0
Sturdy Grow EXP 84W	76	196.5	181.4	147.8	0.0	2.8	44.4	40.9	39.0	38.2	69.0	70.0	67.0
Sturdy Grow EXP 169W	77	197.8	182.8	196.4	0.0	30.6	12.5	48.1	40.9	42.9	72.0	72.0	72.0
Taylor-Evans T-E 1166W	78	199.4	194.5	198.7	0.0	6.9	25.0	49.4	44.8	45.6	72.7	72.0	72.0
Taylor-Evans T-E 9007W	79	184.3	201.9	203.3	0.0	0.0	11.1	46.1	40.2	40.9	70.7	72.0	72.0
Taylor-Evans T-E EXP 2909W	80	188.6	177.9	212.6	0.0	0.0	0.0	44.8	44.8	44.8	70.7	70.0	70.0
Triumph 1910W	81	204.3	183.3	200.6	0.0	0.0	4.2	44.8	40.9	39.8	71.3	70.0	72.0
Triumph 1990W	82	217.9	214.3	203.5	0.0	0.0	0.0	47.4	48.7	46.8	72.7	72.0	72.0
Triumph TRX1829	83	213.0	187.7	201.3	0.0	12.5	0.0	44.2	44.8	46.0	70.0	70.0	70.0
Vineyard V58W	84	211.4	229.7	206.0	0.0	0.0	16.7	47.4	46.8	46.8	71.3	72.0	72.0
Vineyard V68W	85	216.2	205.4	214.6	0.0	4.2	38.9	47.7	44.8	44.8	72.0	72.0	72.0
Vineyard V424W	86	194.2	180.7	199.8	0.0	4.2	11.1	45.5	42.9	44.8	70.0	70.0	70.0
Vineyard V449W	87	192.9	181.6	187.7	0.0	4.2	0.0	44.2	35.1	40.9	70.0	72.0	70.0
Vineyard Vx4721W	88	211.8	221.1	217.7	0.9	1.4	12.5	45.5	40.9	46.8	72.7	70.0	72.0
Vineyard Vx4781W	89	193.3	169.4	178.5	0.0	26.4	29.2	50.7	42.9	46.8	72.0	72.0	70.0
Whisnand 51AW	90	209.9	217.1	180.3	0.0	0.0	26.4	48.1	50.7	46.8	70.7	72.0	70.0

Table 37. Continued.

Entry	No.	Yield (bu/a)			Root lodging (%)			Ear height (in)			Days to flower		
		Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.	Nontr.	Nicos.	Primis.
Whisnand 73AW	91	216.7	211.8	231.8	0.0	16.7	0.0	48.1	42.1	49.9	72.7	72.0	74.0
Whisnand 73W	92	196.5	174.3	194.2	0.0	8.3	0.0	48.1	44.8	54.6	72.7	72.0	72.0
Whisnand 74W	93	219.1	205.8	201.0	0.0	2.8	13.9	42.2	37.0	42.9	72.7	74.0	72.0
Whisnand 90AW	94	201.6	177.4	187.1	0.0	0.0	9.7	44.8	39.0	39.8	70.0	70.0	70.0
Whisnand 92AW	95	183.8	190.6	188.6	0.0	0.0	0.0	42.9	40.9	39.0	72.0	72.0	72.0
Wilson E4364	96	215.3	179.7	214.3	0.0	23.6	6.9	40.3	39.0	42.9	70.0	70.0	70.0
Wilson E14289	97	170.2	169.6	148.7	0.0	5.6	30.6	44.8	42.9	46.8	71.3	72.0	72.0
Wilson E14290	98	171.8	167.0	183.5	0.0	0.0	0.0	43.5	39.0	42.9	70.7	70.0	72.0
Wilson E14292	99	164.0	149.2	143.3	0.0	1.4	15.3	48.1	44.8	38.2	72.7	72.0	72.0
Wilson E14293	100	154.1	143.3	147.1	0.0	16.7	11.1	43.5	35.1	39.0	72.0	72.0	72.0
Wilson E14294	101	203.2	195.1	201.4	0.0	0.0	6.9	49.4	42.9	40.9	70.7	72.0	70.0
Zimmerman Z14W	102	214.0	202.1	206.6	0.0	12.5	20.8	48.1	40.9	43.7	73.3	72.0	74.0
Zimmerman Z16W	103	193.1	225.1	205.9	0.0	0.0	34.7	42.9	44.8	44.8	72.0	72.0	72.0
Zimmerman Z17W	104	190.4	184.0	189.6	0.0	2.8	30.6	48.7	42.9	39.0	74.0	72.0	74.0
Zimmerman Z54W	105	205.4	168.6	199.3	0.0	11.1	2.8	48.1	39.0	48.0	73.3	72.0	74.0
Zimmerman Z61W	106	208.1	187.0	209.6	0.0	29.2	0.0	50.7	44.8	52.6	73.3	72.0	72.0
Zimmerman Z63W	107	214.6	202.3	237.4	0.0	13.9	2.8	50.0	46.8	46.0	73.3	72.0	72.0
White check (K55 × CI66)FR802W	108	194.4	192.5	168.3	0.0	8.3	15.3	48.7	44.8	46.8	74.0	74.0	74.0
Yellow check B73 × Mo17	109	201.5	197.8	182.8	0.0	8.3	5.6	43.5	42.1	42.1	70.0	70.0	70.0
Yellow check Pioneer Brand 3320	110	212.3	196.6	218.3	0.0	11.1	0.0	43.5	42.9	39.8	71.3	70.0	70.0
Yellow check Pioneer Brand 3245	111	220.6	208.5	243.4	0.0	1.4	0.0	39.0	37.0	40.2	70.0	70.0	70.0
Mean		201.6	195.2	199.1	0.0	6.9	9.1	45.3	42.5	42.9	71.5	71.2	71.2
LSD 0.05		20.7			ns			5.6			1.3		
CV%		6.3						7.6			3.6		