# Performance Of Corn Hybrids In Alabama, 1987

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EARLY CORN



PRELIMINARY TESTS

# PERFORMANCE OF CORN HYBRIDS IN ALABAMA, 1987

D. L. Thurlow and W. C. Johnson[1]

## INTRODUCTION

Corn hybrids are evaluated annually by the Alabama Agricultural Experiment Station in the Regular Corn Hybrid Test and the Preliminary Corn Test on a northern, central, and southern regional basis. The Marion Junction, or Black Belt Substation, corn test is used as the prairie soil regional comparison. However, this test was abandoned in 1987 due to poor stand that was the result of insufficient rainfall at the time of planting. A second planting was attempted, but again lack of rainfall in June and July resulted in poor growth and no yield. Entries in the preliminary tests are both experimental and newly released hybrids. If a hybrid is outstanding in the preliminary test, it is entered in the regular corn test the following year. White and early corn hybrids are tested at one location in each region. One regular and one white corn hybrid test are irrigated at Headland in southern Alabama.

The locations and cultural practices for the tests are shown in table 1. The tests were designed as a randomized complete block with four replications. Row width was 30 to 36 inches depending on location. Two-row plots were used, with row length ranging from 20 to 30 feet depending, again, on location. The target plant population for the tests was 20,000 plants per acre with a seeding rate of 23,000 seeds per acre. The irrigated tests at Headland were seeded at a rate of 30,000 plants per acre and thinned to 25,000.

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[1]Respectively, Associate Professor and Professor of Agronomy and Soils.

Grain yields were adjusted to 15.5 percent moisture and converted to bushels (56 pounds) per acre. Stalks broken or leaning more than 45 degrees were considered lodged. The mid-silk data measured the number of days from planting until one-half of the plants in the plots were showing silks. Bushel test weights are reported as regional averages from this year's data.

To aid in determining real yield differences, a statistical analysis of variance is performed on the data from each location. The L.S.D. (least significant difference) and C.V. (coefficient of variation) are given for each location's 1987 test. The difference in yield of two hybrids must exceed the L.S.D. value for one hybrid to be considered superior to the others in yield in that particular test. The C.V. is a measure of the variability in an experiment. An increase in its value indicates an increase in the unaccounted variability.

Since the performance of hybrids varies with location and year, long-term averages from several locations are more reliable than 1-year performance. Three-year regional averages are considered a reliable evaluation of the relative performance of hybrids.

A committee comprised of Department of Agronomy and Soils and Alabama Cooperative Extension Service personnel involved in corn research reviewed the past 3 years of corn hybrid test data to assemble the list of acceptable hybrids on page 24.

The recommended hybrids are not all equal in performance. Some are outstanding in one or more characteristics; while others may not be obviously outstanding, they might possess a satisfactory combination of all characteristics.

ACKNOWLEDGMENTS

Appreciation is expressed to the following supervisory personnel of the outlying units whose quality work makes this a reliable source of information for farmers in their areas.

Northern Alabama

Tennessee Valley Substation, Belle Mina - W. B. Webster, V. H. Calvert, II

Sand Mountain Substation, Crossville - J. T. Eason, M.E. Ruf

Upper Coastal Plain Substation, Winfield - R. A. Moore, Jr.

Central Alabama

Black Belt Substation, Marion Junction - H.W. Grimes, J.L. Holliman

Prattville Experiment Field - D. P. Moore

E. V. Smith Research Center, Shorter - R. Duffield

Plant Breeding Unit, Tallassee - S. P. Nightengale

Southern Alabama

Brewton Experiment Field - J. R. Akridge

Monroeville Experiment Field - J. R. Akridge

Gulf Coast Substation, Fairhope - E. L. Carden, N.R. McDaniel, M.D. Pegues

Wiregrass Substation, Headland - H.W. Ivey, L. Wells

Appreciation is also expressed to the following people:

W. H. Hearn, Mien-Huei Tzeng, and Mrs. Sally Bagwell, Research Data Analysis, for the computation, summarization, and analysis of the data in this report.

TABLE 1. LOCATIONS AND CULTURAL PRACTICES FOR THE 1987 CORN HYBRID TESTS

| Location | Planting date | Nitrogen[1/] rate | Plant population | Date harvested | Herbicides used |
|---|---|---|---|---|---|
| Northern Alabama | | | | | |
| Tennessee Valley Substation (Belle Mina) | April 6 | 140 | 20,000 | September 1 | Atrazine |
| Sand Mountain Substation (Crossville) | | | | | |
| Regular test | April 20 | 160 | 20,000 | August 27 | Atrazine + Dual |
| Preliminary test | April 21 | 160 | 20,000 | August 27 | Atrazine + Dual |
| White corn test | April 20 | 160 | 20,000 | August 27 | Atrazine + Dual |
| Early corn test | April 9 | 160 | 20,000 | August 24 | Atrazine + Princep |
| Upper Coastal Plain Substation (Winfield) | April 9 | 150 | 20,000 | August 27 | Atrazine |
| Central Alabama | | | | | |
| E.V. Smith Research Center (Shorter) | | | | | |
| Early corn test | April 9 | 120 | 20,000 | August 13 | Atrazine + Dual |
| White corn test | April 9 | 120 | 20,000 | August 14 | Atrazine + Dual |
| Plant Breeding Unit (Tallassee) | March 26 | 130 | 20,000 | August 28 | Atrazine |
| Prattville Experiment Field (Prattville) | March 20 | 120 | 20,000 | August 24 | Atrazine |
| Southern Alabama | | | | | |
| Brewton Experiment Field (Brewton) | March 16 | 120 | 20,000 | August 30 | Atrazine |
| Monroeville Experiment Field (Monroeville) | | | | | |
| Regular test | March 16 | 120 | 20,000 | September 24 | Atrazine |
| Date of planting 1 | March 17 | 120 | 20,000 | September 25 | Atrazine |
| Date of planting 2 | April 7 | 120 | 20,000 | September 25 | Atrazine |
| Date of planting 3 | May 21 | 120 | 20,000 | September 25 | Atrazine |
| Lower Coastal Plain Substation (Camden) | April 10 | 120 | 20,000 | September 8 | Sutan |
| Wiregrass Substation (Headland) | | | | | |
| Regular test (unirrigated) | April 8 | 120 | 20,000 | August 18 | Atrazine |
| Regular test (irrigated) | April 8 | 200 | 25,000 | August 18 | Atrazine |
| White corn test (irrigated) | April 8 | 200 | 25,000 | August 18 | Atrazine |
| Gulf Coast Substation (Fairhope) | | | | | |
| Regular test | March 16 | 150 | 20,000 | August 24 | Atrazine + Dual |
| Preliminary test | March 16 | 150 | 20,000 | August 24 | Atrazine + Dual |
| Early corn test | March 3 | 150 | 20,000 | August 21 | Atrazine + Dual |

[1/] Pounds per acre N. Lime, phosphorus, potassium, zinc, and sulfur were applied according to recommendation based on soil test.

TABLE 2. TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR NORTHERN ALABAMA.[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE.AV. 3-YR. 1985-87 | YIELD PER ACRE.AV. 2-YR. 1986-87 | LODGED STALKS.AV. 3-YR. 1985-87 | LODGED STALKS.AV. 2-YR. 1986-87 |
|---|---|---|---|---|
| | BU. | BU. | PCT. | PCT. |
| PIONEER 3165 | 132 | 117 | 2.1 | 2.0 |
| MCCURDY 8172 | 129 | 113 | 4.9 | 5.2 |
| ZIMMERMAN Z 27 Y | 128 | 113 | 4.7 | 4.3 |
| PIONEER 3320 | 126 | 110 | 3.7 | 3.5 |
| PIONEER 3147 | 126 | 110 | 4.4 | 3.5 |
| PIONEER 3187 | 125 | 112 | 3.0 | 2.3 |
| NORTHRUP KING PX 95 | 125 | 106 | 5.4 | 6.5 |
| ASGROW/O'S GOLD 2570 | 122 | 109 | 5.4 | 6.3 |
| JACQUES 8400 | 122 | 111 | 4.3 | 5.0 |
| AGRATECH GK 850 | 122 | 108 | 3.1 | 3.8 |
| FUNKS G-4733 | 120 | 108 | 3.6 | 3.7 |
| CARGILL 8990 | 120 | 109 | 3.6 | 3.7 |
| FUNKS G-4522 | 120 | 106 | 4.1 | 4.7 |
| MCCURDY 8150 | 119 | 104 | 4.1 | 4.8 |
| FUNK'S RING AROUND 1502 | 119 | 104 | 4.3 | 4.8 |
| CARGILL 7990 | 119 | 104 | 4.4 | 5.7 |
| SUNBELT 1802 | 119 | 100 | 3.4 | 3.8 |
| SUNBELT 1827 | 117 | 101 | 5.3 | 5.2 |
| NORTHRUP KING PX 9581 | 117 | 103 | 5.7 | 6.2 |
| ASGROW/O'S GOLD 5509 | 116 | 102 | 6.0 | 6.0 |
| MCCURDY 84AA | 115 | 101 | 4.9 | 4.2 |
| COKER 21 | 115 | 101 | 5.0 | 5.0 |
| STAUFFER S 7759 | 115 | 103 | 3.9 | 3.5 |
| DEKALB DK 689 | - | 121 | - | 1.8 |
| DEKALB DK 789 | - | 116 | - | 2.3 |
| FFR 815 | - | 109 | - | 1.8 |
| FFR 811 | - | 108 | - | 3.3 |
| AGRATECH GK 900 | - | 107 | - | 3.5 |
| JACQUES 8700 | - | 105 | - | 3.3 |
| FUNKS G-4734 | - | 104 | - | 4.7 |
| FUNKS G-4868 | - | 103 | - | 2.3 |
| COKER 8905 | - | 101 | - | 2.8 |

[1] BELLE MINA, CROSSVILLE, AND WINFIELD.

TABLE 3. 1987 YIELD OF CORN HYBRIDS BY LOCATION AND REGIONAL AVERAGES OF HYBRID CHARACTERISTICS IN NORTHERN ALABAMA

| BRAND NAME-HYBRID | BELLE MINA | CROSSVILLE | WINFIELD | 1987 REGIONAL AVERAGES. YIELD PER ACRE | LODGED STALKS | TEST WEIGHT | MID-SILK |
|---|---|---|---|---|---|---|---|
| | BU. | BU. | BU. | BU. | PCT. | LB./BU. | MO.-DA. |
| DEKALB DK 711 | 153 | 146 | 69 | 122 | 1.7 | 58.3 | 6-21 |
| DEKALB DK 689 | 156 | 132 | 69 | 119 | 1.0 | 55.6 | 6-23 |
| ASGROW/O'S GOLD 2570 | 136 | 160 | 58 | 118 | 3.0 | 55.7 | 6-19 |
| DEKALB DK 789 | 152 | 134 | 66 | 117 | 0.7 | 55.3 | 6-22 |
| PIONEER 3165 | 145 | 139 | 68 | 117 | 1.7 | 56.9 | 6-23 |
| MCCURDY 8172 | 154 | 133 | 63 | 117 | 2.3 | 57.3 | 6-24 |
| FUNK'S RING AROUND 1502 | 147 | 151 | 52 | 116 | 2.0 | 55.6 | 6-19 |
| AGRATECH GK 850 | 142 | 154 | 52 | 116 | 2.3 | 55.7 | 6-20 |
| FUNKS G-4666 | 135 | 144 | 65 | 115 | 1.3 | 57.5 | 6-22 |
| CARGILL 8990 | 145 | 137 | 62 | 115 | 2.0 | 57.4 | 6-23 |
| JACQUES 8700 | 152 | 139 | 52 | 114 | 2.0 | 56.0 | 6-22 |
| JACQUES 8400 | 142 | 145 | 56 | 114 | 3.7 | 58.1 | 6-22 |
| FUNKS G-4733 | 143 | 133 | 66 | 114 | 3.3 | 57.8 | 6-22 |
| SUNBELT 1827 | 154 | 133 | 53 | 113 | 3.7 | 56.3 | 6-22 |
| AGRATECH GK 900 | 149 | 140 | 51 | 113 | 2.7 | 58.1 | 6-21 |
| NORTHRUP KING PX 9581 | 129 | 152 | 56 | 112 | 2.7 | 55.6 | 6-19 |
| SEEDTEC ST-7750 | 138 | 134 | 65 | 112 | 2.7 | 55.8 | 6-23 |
| SUNBELT 1802 | 145 | 135 | 55 | 112 | 2.0 | 56.1 | 6-20 |
| FUNKS G-4522 | 140 | 142 | 53 | 112 | 2.7 | 55.5 | 6-20 |
| NORTHRUP KING PX 95 | 148 | 128 | 58 | 111 | 5.7 | 54.9 | 6-22 |
| ZIMMERMAN Z 27 Y | 143 | 142 | 49 | 111 | 1.3 | 55.8 | 6-24 |
| PIONEER 3320 | 141 | 129 | 61 | 110 | 2.3 | 56.7 | 6-21 |
| COKER 21 | 147 | 130 | 51 | 110 | 2.3 | 55.5 | 6-22 |
| CARGILL 9427 | 142 | 136 | 51 | 110 | 2.0 | 55.7 | 6-21 |
| PIONEER 3187 | 128 | 131 | 69 | 109 | 1.7 | 55.6 | 6-22 |
| ASGROW/O'S GOLD 5509 | 143 | 138 | 46 | 109 | 5.0 | 55.5 | 6-23 |
| FUNKS G-4734 | 139 | 127 | 60 | 109 | 3.7 | 57.5 | 6-22 |
| MCCURDY 8150 | 145 | 133 | 48 | 109 | 3.3 | 56.5 | 6-21 |
| CARGILL 8951 | 138 | 139 | 48 | 109 | 4.3 | 56.8 | 6-21 |
| MCCURDY 84AA | 136 | 137 | 51 | 108 | 3.0 | 56.0 | 6-20 |
| PIONEER 3147 | 142 | 116 | 64 | 107 | 2.0 | 53.2 | 6-25 |
| CARGILL 7990 | 142 | 139 | 41 | 107 | 4.3 | 54.2 | 6-20 |
| DELTAPINE 5750 | 128 | 134 | 60 | 107 | 1.0 | 57.3 | 6-20 |
| COKER 8625 | 124 | 149 | 48 | 107 | 2.7 | 58.0 | 6-20 |
| FFR 815 | 128 | 133 | 59 | 107 | 1.0 | 55.8 | 6-23 |
| STAUFFER S 7759 | 128 | 140 | 47 | 105 | 1.3 | 55.8 | 6-21 |
| FUNKS G-4868 | 137 | 115 | 63 | 105 | 1.3 | 55.0 | 6-24 |
| FFR 811 | 115 | 144 | 56 | 105 | 2.7 | 55.7 | 6-20 |
| ASGROW/O'S GOLD RX 860 | 125 | 145 | 43 | 104 | 1.0 | 57.6 | 6-19 |
| COKER 8905 | 135 | 118 | 56 | 103 | 2.3 | 56.2 | 6-26 |
| ZIMMERMAN Z 45 | 127 | 144 | 38 | 103 | 1.7 | 56.3 | 6-20 |
| NORTHRUP KING PX 9540 | 121 | 143 | 38 | 101 | 2.0 | 57.6 | 6-20 |
| TEST AVERAGE | 139.4 | 137.3 | 55.5 | | | | |
| L.S.D. (.05) | 13.4 | 12.9 | 11.7 | | | | |
| C.V. (%) | 6.9 | 6.7 | 15.0 | | | | |

TABLE 4. TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR CENTRAL ALABAMA.[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE, AV. | | LODGED STALKS, AV. | |
|---|---|---|---|---|
| | 3-YR. 1985-87 | 2-YR. 1986-87 | 3-YR. 1985-87 | 2-YR. 1986-87 |
| | BU. | BU. | PCT. | PCT. |
| PIONEER 3165 | 88 | 88 | 7.3 | 3.0 |
| PIONEER 3320 | 78 | 79 | 15.3 | 7.0 |
| SUNBELT 1876 | 77 | 71 | 8.0 | 4.0 |
| ZIMMERMAN Z 27 Y | 76 | 84 | 10.3 | 4.0 |
| MCCURDY 8172 | 74 | 77 | 8.2 | 3.0 |
| JACQUES 8400 | 73 | 78 | 11.8 | 4.0 |
| PIONEER 3147 | 72 | 75 | 9.3 | 2.8 |
| ASGROW/O'S GOLD 2570 | 71 | 79 | 16.2 | 4.0 |
| MCCURDY 8150 | 69 | 79 | 14.3 | 3.5 |
| SUNBELT 1827 | 67 | 81 | 18.3 | 4.0 |
| ASGROW/O'S GOLD 5509 | 66 | 76 | 16.2 | 5.3 |
| NORTHRUP KING PX 9581 | 65 | 74 | 11.5 | 3.3 |
| FUNKS G-4733 | 65 | 70 | 7.5 | 3.5 |
| COKER 21 | 65 | 74 | 15.3 | 4.5 |
| SUNBELT 1802 | 64 | 76 | 13.5 | 2.8 |
| AGRATECH GK 850 | 62 | 74 | 11.2 | 1.5 |
| FUNK'S RING AROUND 1502 | 62 | 73 | 11.2 | 1.5 |
| MCCURDY 84AA | 60 | 70 | 15.8 | 4.8 |
| FFR 811 | 59 | 68 | 15.8 | 6.0 |
| STAUFFER S 7759 | 58 | 70 | 9.7 | 1.5 |
| CARGILL SX 383 | 57 | 68 | 17.0 | 5.8 |
| CARGILL 8951 | 55 | 66 | 15.2 | 3.8 |
| CARGILL 8990 | 54 | 69 | 12.3 | 5.0 |
| DEKALB DK 689 | - | 89 | - | 5.8 |
| DEKALB DK 789 | - | 81 | - | 4.0 |
| SUNBELT 1882 | - | 81 | - | 0.5 |
| JACQUES 8700 | - | 78 | - | 6.8 |
| COKER 8905 | - | 75 | - | 0.8 |
| FFR 815 | - | 74 | - | 1.5 |
| AGRATECH GK 900 | - | 74 | - | 4.8 |
| CARGILL 9990 | - | 73 | - | 4.3 |
| NORTHRUP KING PX 95 | - | 72 | - | 10.0 |

[1] PRATTVILLE, CAMDEN.

TABLE 5. 1987 YIELD OF CORN HYBRIDS BY LOCATION AND REGIONAL AVERAGES OF HYBRID CHARACTERISTICS IN CENTRAL ALABAMA

| BRAND NAME-HYBRID | PRATTVILLE | CAMDEN | 1987 REGIONAL AVERAGES. YIELD PER ACRE | LODGED STALKS | TEST WEIGHT | MID-SILK |
|---|---|---|---|---|---|---|
| | BU. | BU. | BU. | PCT. | LB./BU. | MO.-DA. |
| PIONEER 3165 | 81 | 137 | 109 | 0.5 | 57.8 | 6-14 |
| DEKALB DK 689 | 87 | 126 | 106 | 3.5 | 58.9 | 6-13 |
| ZIMMERMAN Z 27 Y | 68 | 133 | 100 | 0.5 | 57.9 | 6-15 |
| DEKALB DK 789 | 75 | 121 | 98 | 1.5 | 58.8 | 6-14 |
| SUNBELT 1827 | 69 | 121 | 95 | 2.5 | 59.2 | 6-14 |
| SUNBELT 1876 | 95 | 90 | 92 | 2.0 | 57.9 | 6-21 |
| JACQUES 8700 | 70 | 113 | 91 | 2.5 | 59.8 | 6-15 |
| COKER 21 | 72 | 110 | 91 | 4.0 | 58.8 | 6-14 |
| MCCURDY 8150 | 62 | 120 | 91 | 1.0 | 58.3 | 6-14 |
| SUNBELT 1882 | 69 | 112 | 90 | 0.5 | 58.6 | 6-16 |
| FUNKS G-4614 | 66 | 113 | 90 | 2.0 | 61.1 | 6-13 |
| NORTHRUP KING PX 95 | 72 | 105 | 88 | 7.0 | 58.7 | 6-14 |
| PIONEER 3147 | 72 | 105 | 88 | 2.0 | 54.7 | 6-16 |
| PIONEER 3320 | 54 | 122 | 88 | 10.5 | 59.6 | 6-13 |
| MCCURDY 8172 | 52 | 124 | 88 | 1.5 | 60.3 | 6-15 |
| ASGROW/O'S GOLD 5509 | 59 | 113 | 86 | 4.5 | 57.6 | 6-15 |
| AGRATECH GK 900 | 56 | 116 | 86 | 3.0 | 61.8 | 6-15 |
| ASGROW/O'S GOLD 2570 | 66 | 106 | 86 | 3.5 | 58.0 | 6-13 |
| MCCURDY 85-60 | 58 | 114 | 86 | 1.0 | 57.3 | 6-14 |
| JACQUES 8400 | 58 | 112 | 85 | 5.5 | 60.9 | 6-14 |
| COKER 8905 | 67 | 101 | 84 | 1.5 | 58.7 | 6-17 |
| FFR 815 | 64 | 102 | 83 | 1.5 | 58.0 | 6-15 |
| CARGILL 9990 | 66 | 99 | 82 | 1.5 | 58.1 | 6-19 |
| FUNKS G-4733 | 49 | 111 | 80 | 2.0 | 59.0 | 6-16 |
| FUNK'S RING AROUND 1502 | 58 | 102 | 80 | 1.5 | 58.0 | 6-12 |
| SUNBELT 1802 | 61 | 99 | 80 | 1.0 | 58.1 | 6-13 |
| NORTHRUP KING PX 9581 | 58 | 99 | 79 | 1.5 | 58.4 | 6-13 |
| CARGILL 980 | 55 | 100 | 77 | 1.5 | 63.3 | 6-15 |
| TR 4405 | 61 | 94 | 77 | 4.0 | 58.1 | 6-14 |
| MCCURDY 84AA | 58 | 97 | 77 | 3.0 | 59.0 | 6-13 |
| FUNKS G-4666 | 37 | 114 | 76 | 1.5 | 58.4 | 6-14 |
| SEEDTEC ST-7750 | 44 | 107 | 75 | 2.5 | 57.7 | 6-14 |
| AGRATECH GK 850 | 52 | 99 | 75 | 2.0 | 59.4 | 6-13 |
| CARGILL 8990 | 58 | 92 | 75 | 2.0 | 59.3 | 6-14 |
| PIONEER 3187 | 52 | 97 | 75 | 1.5 | 58.0 | 6-14 |
| DELTAPINE 5750 | 41 | 108 | 75 | 0.0 | 58.9 | 6-14 |
| DEKALB DK 711 | 46 | 103 | 74 | 3.5 | 59.8 | 6-14 |
| CARGILL SX 16A | 63 | 82 | 72 | 3.5 | 55.7 | 6-13 |
| STAUFFER S 7759 | 61 | 84 | 72 | 0.5 | 57.4 | 6-13 |
| CARGILL SX 383 | 50 | 94 | 72 | 2.5 | 59.6 | 6-14 |
| FFR 811 | 57 | 87 | 72 | 1.5 | 57.1 | 6-14 |
| ASGROW/O'S GOLD RX 860 | 40 | 97 | 69 | 1.5 | 59.6 | 6-12 |
| CARGILL 8951 | 49 | 87 | 68 | 1.0 | 59.2 | 6-13 |
| TEST AVERAGE | 60.6 | 106.1 | | | | |
| L.S.D. (.05) | 16.1 | 16.1 | | | | |
| C.V. (%) | 19.0 | 10.9 | | | | |

TABLE 6. TWO- AND THREE-YEAR YIELD AND LODGING AVERAGES FOR SOUTHERN ALABAMA,[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE,AV. 3-YR. 1985-87 | YIELD PER ACRE,AV. 2-YR. 1986-87 | LODGED STALKS,AV. 3-YR. 1985-87 | LODGED STALKS,AV. 2-YR. 1986-87 |
|---|---|---|---|---|
| | BU. | BU. | PCT. | PCT. |
| PIONEER 3165 | 95 | 101 | 0.8 | 1.0 |
| MCCURDY 8172 | 94 | 105 | 1.8 | 1.5 |
| MCCURDY 8150 | 86 | 95 | 2.9 | 2.8 |
| PIONEER 3320 | 85 | 86 | 2.0 | 2.4 |
| SUNBELT 1827 | 84 | 97 | 2.8 | 1.9 |
| PIONEER 3147 | 84 | 91 | 1.8 | 1.6 |
| ASGROW/O'S GOLD 5509 | 83 | 97 | 2.7 | 2.8 |
| COKER 21 | 82 | 93 | 2.2 | 1.8 |
| ASGROW/O'S GOLD 2570 | 81 | 91 | 2.3 | 1.3 |
| FUNKS G-4614 | 80 | 86 | 2.0 | 1.6 |
| FUNKS G-4733 | 80 | 90 | 1.4 | 1.5 |
| JACQUES 8400 | 79 | 88 | 2.3 | 1.5 |
| ZIMMERMAN Z 27 Y | 77 | 85 | 1.5 | 1.0 |
| NORTHRUP KING PX 95 | 77 | 85 | 2.3 | 1.3 |
| NORTHRUP KING PX 9581 | 77 | 86 | 3.6 | 2.8 |
| MCCURDY 84AA | 75 | 84 | 3.3 | 3.1 |
| CARGILL SX 383 | 74 | 86 | 2.3 | 2.0 |
| PIONEER 3187 | 73 | 80 | 0.9 | 1.4 |
| CARGILL 8951 | 73 | 83 | 2.4 | 2.1 |
| STAUFFER S 7759 | 72 | 81 | 1.7 | 1.4 |
| SUNBELT 1802 | 72 | 81 | 3.4 | 3.1 |
| AGRATECH GK 850 | 72 | 80 | 2.4 | 1.9 |
| FFR 811 | 65 | 67 | 2.4 | 2.0 |
| DEKALB DK 789 | - | 94 | - | 1.6 |
| DEKALB DK 689 | - | 94 | - | 1.0 |
| SUNBELT 1882 | - | 92 | - | 0.8 |
| JACQUES 8700 | - | 91 | - | 1.9 |
| COKER 8905 | - | 91 | - | 0.3 |
| AGRATECH GK 900 | - | 90 | - | 1.4 |
| CARGILL 9990 | - | 90 | - | 0.8 |
| FFR 815 | - | 79 | - | 0.3 |

[1] FAIRHOPE, BREWTON, MONROEVILLE, HEADLAND.

TABLE 7. 1987 YIELD OF CORN HYBRIDS BY LOCATION AND REGIONAL AVERAGES OF HYBRID CHARACTERISTICS IN SOUTHERN ALABAMA

| BRAND NAME-HYBRID | FAIRHOPE | BREWTON | MONROEVILLE | HEADLAND | 1987 REGIONAL AVERAGES. YIELD PER ACRE | LODGED STALKS | TEST WEIGHT | MID-SILK |
|---|---|---|---|---|---|---|---|---|
| | BU. | BU. | BU. | BU. | BU. | PCT. | LB./BU. | MO.-DA. |
| MCCURDY 8172 | 154 | 159 | 56 | 96 | 116 | 0.3 | 56.3 | 6-11 |
| SUNBELT 1860 | 157 | 128 | 69 | 86 | 110 | 1.0 | 55.3 | 6-11 |
| PIONEER 3165 | 140 | 151 | 45 | 89 | 106 | 0.3 | 55.4 | 6-9 |
| MCCURDY 8150 | 139 | 128 | 51 | 95 | 103 | 0.3 | 56.4 | 6-7 |
| SUNBELT 1827 | 140 | 135 | 41 | 92 | 102 | 1.0 | 56.1 | 6-7 |
| SUNBELT 1882 | 131 | 122 | 68 | 78 | 100 | 0.3 | 55.0 | 6-11 |
| DEKALB DK 789 | 136 | 114 | 66 | 79 | 99 | 0.3 | 55.1 | 6-10 |
| ASGROW/O'S GOLD 5509 | 168 | 106 | 42 | 74 | 97 | 0.8 | 54.8 | 6-8 |
| DEKALB DK 711 | 158 | 102 | 41 | 88 | 97 | 0.3 | 56.9 | 6-6 |
| COKER 8905 | 138 | 122 | 56 | 73 | 97 | 0.0 | 55.7 | 6-12 |
| COKER 21 | 140 | 138 | 26 | 84 | 97 | 0.0 | 54.5 | 6-9 |
| DEKALB DK 689 | 135 | 97 | 63 | 92 | 97 | 0.3 | 55.9 | 6-9 |
| FUNKS G-4733 | 134 | 122 | 47 | 77 | 95 | 0.5 | 57.1 | 6-8 |
| AGRATECH GK 900 | 147 | 124 | 35 | 73 | 95 | 0.5 | 56.9 | 6-7 |
| NORTHRUP KING PX 95 | 140 | 107 | 49 | 81 | 94 | 0.5 | 55.0 | 6-11 |
| SEEDTEC ST-7750 | 140 | 127 | 39 | 72 | 94 | 0.0 | 55.4 | 6-8 |
| PIONEER 3320 | 132 | 111 | 54 | 76 | 93 | 1.8 | 55.5 | 6-5 |
| PIONEER 3147 | 147 | 125 | 34 | 65 | 93 | 0.3 | 53.3 | 6-11 |
| COKER 3020 | 140 | 106 | 52 | 70 | 92 | 0.5 | 55.4 | 6-4 |
| FUNKS G-4666 | 136 | 122 | 44 | 64 | 92 | 0.3 | 56.3 | 6-6 |
| JACQUES 8700 | 148 | 105 | 36 | 77 | 91 | 0.5 | 56.3 | 6-8 |
| CARGILL 9990 | 125 | 106 | 61 | 75 | 91 | 0.3 | 55.3 | 6-13 |
| NORTHRUP KING PX 9581 | 132 | 91 | 49 | 81 | 88 | 0.3 | 54.6 | 6-4 |
| ASGROW/O'S GOLD 2570 | 128 | 101 | 51 | 73 | 88 | 0.0 | 54.6 | 6-5 |
| JACQUES 8400 | 133 | 88 | 48 | 80 | 87 | 1.0 | 57.4 | 6-7 |
| DELTAPINE 5750 | 129 | 113 | 49 | 56 | 87 | 0.0 | 55.9 | 6-7 |
| TR 4405 | 127 | 113 | 39 | 67 | 86 | 0.5 | 55.3 | 6-7 |
| MCCURDY 84AA | 133 | 103 | 40 | 70 | 86 | 0.3 | 55.6 | 6-6 |
| CARGILL SX 383 | 143 | 96 | 31 | 73 | 86 | 0.8 | 55.0 | 6-8 |
| CARGILL 8990 | 147 | 101 | 28 | 66 | 85 | 0.5 | 56.3 | 6-10 |
| ASGROW/O'S GOLD RX 860 | 133 | 103 | 41 | 65 | 85 | 0.3 | 56.9 | 6-4 |
| SUNBELT 1802 | 127 | 106 | 45 | 62 | 85 | 0.3 | 55.7 | 6-4 |
| ZIMMERMAN Z 27 Y | 140 | 98 | 33 | 67 | 85 | 0.0 | 54.8 | 6-10 |
| CARGILL 9427 | 143 | 115 | 30 | 51 | 85 | 1.0 | 54.7 | 6-9 |
| PIONEER 3110 | 136 | 94 | 33 | 75 | 85 | 0.3 | 56.9 | 6-11 |
| FUNKS G-4614 | 123 | 86 | 50 | 73 | 83 | 0.5 | 57.1 | 6-6 |
| CARGILL 8951 | 141 | 96 | 29 | 62 | 82 | 0.0 | 54.9 | 6-7 |
| COKER 8625 | 136 | 86 | 47 | 54 | 81 | 0.3 | 56.1 | 6-5 |
| AGRATECH GK 850 | 126 | 100 | 31 | 65 | 80 | 0.3 | 54.5 | 6-4 |
| FFR 815 | 118 | 84 | 52 | 68 | 80 | 0.3 | 54.3 | 6-10 |
| TR 3303 | 122 | 89 | 43 | 59 | 78 | 0.5 | 55.1 | 6-4 |
| STAUFFER S 7759 | 136 | 73 | 35 | 63 | 77 | 0.0 | 54.9 | 6-5 |
| PIONEER 3187 | 136 | 77 | 37 | 41 | 73 | 1.3 | 55.1 | 6-10 |
| FFR 811 | 93 | 70 | 45 | 49 | 64 | 0.8 | 54.0 | 6-7 |
| TEST AVERAGE | 136.4 | 107.6 | 44.4 | 72.1 | | | | |
| L.S.D. (.05) | 21.3 | 33.2 | 28.4 | 20.7 | | | | |
| C.V. (%) | 11.1 | 22.0 | 45.6 | 20.8 | | | | |

TABLE 8. IRRIGATED CORN HYBRID PERFORMANCE AND CHARACTERISTICS, HEADLAND, ALABAMA, 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE,AV. | | | LODGED STALKS,AV. | | | 1987 | |
|---|---|---|---|---|---|---|---|---|
| | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | MIDSILK | TEST WEIGHT |
| | BU. | BU. | BU. | PCT. | PCT. | PCT. | MO.-DA. | LB./BU. |
| PIONEER 3165 | 140 | 120 | 128 | 1.7 | 1.0 | 1.0 | 6-14 | 56.1 |
| ASGROW/O'S GOLD 5509 | 139 | 130 | 123 | 0.7 | 1.0 | 2.0 | 6-11 | 57.5 |
| ZIMMERMAN Z 27 Y | 138 | 128 | 120 | 1.7 | 1.5 | 3.0 | 6-11 | 56.7 |
| MCCURDY 8172 | 136 | 124 | 147 | 2.0 | 2.5 | 0 | 6-11 | 58.4 |
| NORTHRUP KING PX 95 | 135 | 122 | 131 | 2.3 | 3.0 | 4.0 | 6-9 | 56.2 |
| PIONEER 3147 | 134 | 124 | 132 | 2.7 | 3.0 | 2.0 | 6-18 | 55.0 |
| MCCURDY 8150 | 133 | 119 | 138 | 0.7 | 1.0 | 2.0 | 6-11 | 56.5 |
| AGRATECH GK 900 | 131 | 117 | 123 | 1.3 | 0.5 | 0 | 6-10 | 58.4 |
| AGRATECH GK 850 | 131 | 120 | 121 | 0.7 | 0.5 | 0 | 6-9 | 56.2 |
| ASGROW/O'S GOLD 2570 | 131 | 119 | 134 | 1.7 | 2.5 | 1.0 | 6-9 | 57.0 |
| MCCURDY 84AA | 130 | 114 | 132 | 1.3 | 1.5 | 3.0 | 6-9 | 58.0 |
| FUNKS G-4614 | 125 | 104 | 115 | 1.7 | 2.0 | 3.0 | 6-11 | 58.1 |
| PIONEER 3320 | 125 | 110 | 110 | 1.7 | 2.5 | 4.0 | 6-9 | 55.5 |
| NORTHRUP KING PX 9581 | 124 | 115 | 112 | 2.0 | 3.0 | 3.0 | 6-9 | 56.7 |
| JACQUES 8400 | 117 | 108 | 125 | 1.0 | 1.5 | 1.0 | 6-11 | 58.1 |
| STAUFFER S 7759 | 116 | 104 | 117 | 1.3 | 1.5 | 1.0 | 6-9 | 56.6 |
| FFR 811 | 100 | 78 | 72 | 1.7 | 2.5 | 2.0 | 6-10 | 54.8 |
| SUNBELT 1827 | - | 133 | 134 | - | 1.5 | 1.0 | 6-11 | 58.1 |
| JACQUES 8700 | - | 124 | 121 | - | 1.0 | 2.0 | 6-11 | 58.0 |
| CARGILL SX 383 | - | 123 | 144 | - | 2.0 | 2.0 | 6-10 | 58.4 |
| CARGILL 9990 | - | 121 | 121 | - | 1.5 | 2.0 | 6-18 | 55.6 |
| COKER 21 | - | 120 | 118 | - | 1.5 | 1.0 | 6-10 | 57.6 |
| DEKALB DK 789 | - | 120 | 130 | - | 1.5 | 1.0 | 6-10 | 56.5 |
| FUNKS G-4733 | - | 119 | 121 | - | 1.5 | 3.0 | 6-11 | 58.1 |
| DEKALB DK 689 | - | 118 | 137 | - | 2.0 | 3.0 | 6-9 | 56.8 |
| CARGILL 8951 | - | 115 | 129 | - | 1.5 | 2.0 | 6-9 | 58.0 |
| SUNBELT 1882 | - | 115 | 126 | - | 0.5 | 0 | 6-18 | 57.0 |
| COKER 8905 | - | 113 | 126 | - | 0.5 | 1.0 | 6-18 | 56.6 |
| SUNBELT 1802 | - | 113 | 115 | - | 1.0 | 1.0 | 6-9 | 56.0 |
| PIONEER 3187 | - | 99 | 93 | - | 3.5 | 7.0 | 6-9 | 55.7 |
| FFR 815 | - | 92 | 97 | - | 2.0 | 1.0 | 6-11 | 55.5 |
| SUNBELT 1860 | - | - | 145 | - | - | 2.0 | 6-10 | 57.0 |
| DEKALB DK 711 | - | - | 139 | - | - | 4.0 | 6-10 | 58.9 |
| CARGILL 9427 | - | - | 136 | - | - | 0 | 6-10 | 56.8 |
| CARGILL 8990 | - | - | 128 | - | - | 3.0 | 6-11 | 58.0 |
| PIONEER 3110 | - | - | 127 | - | - | 4.0 | 6-11 | 58.6 |
| COKER 3020 | - | - | 125 | - | - | 2.0 | 6-9 | 56.8 |
| ASGROW/O'S GOLD RX 860 | - | - | 116 | - | - | 0 | 6-9 | 58.0 |
| SEEDTEC ST-7750 | - | - | 115 | - | - | 3.0 | 6-14 | 56.9 |
| TR 4405 | - | - | 114 | - | - | 1.0 | 6-11 | 56.6 |
| FUNKS G-4666 | - | - | 111 | - | - | 4.0 | 6-11 | 57.9 |
| DELTAPINE 5750 | - | - | 110 | - | - | 0 | 6-10 | 58.4 |
| COKER 8625 | - | - | 101 | - | - | 1.0 | 6-10 | 58.2 |
| TR 3303 | - | - | 96 | - | - | 2.0 | 6-9 | 56.7 |
| TEST AVERAGE | | | 121.6 | | | | | |
| L.S.D. (.05) | | | 19.8 | | | | | |
| C.V. (%) | | | 11.6 | | | | | |

THE TEST RECIEVED APPROXIMATELY 16.5 INCHES OF IRRIGATION WATER IN 11 APPLICATIONS DURING THE MONTHS OF MAY, JUNE, AND JULY

TABLE 9. WHITE CORN HYBRID TEST, NORTHERN ALABAMA,[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE, AV. 3-YR. 1985-87 | YIELD PER ACRE, AV. 2-YR. 1986-87 | YIELD PER ACRE, AV. 1987 | LODGED STALKS, AV. 3-YR. 1985-87 | LODGED STALKS, AV. 2-YR. 1986-87 | LODGED STALKS, AV. 1987 | 1987 MIDSILK | 1987 TEST WEIGHT |
|---|---|---|---|---|---|---|---|---|
| | BU. | BU. | BU. | PCT. | PCT. | PCT. | MO./DA. | LB./BU. |
| ZIMMERMAN Z 60 W | 114 | 92 | 117 | 15.0 | 19.0 | 4.0 | 6-24 | 55.6 |
| ZIMMERMAN Z 14 W | 109 | 86 | 118 | 15.3 | 20.5 | 2.0 | 6-24 | 55.6 |
| COKER 833 W | 109 | 83 | 101 | 13.3 | 19.0 | 1.0 | 6-24 | 54.1 |
| FFR 929W | 108 | 86 | 122 | 9.7 | 11.0 | 2.0 | 6-26 | 57.2 |
| ASGROW/O'S GOLD RX 405W | 107 | 84 | 109 | 18.7 | 24.5 | 1.0 | 6-28 | 57.1 |
| DEKALB DK 77W | 104 | 81 | 103 | 16.0 | 18.5 | 2.0 | 6-27 | 55.6 |
| ZIMMERMAN Z 11 W | 104 | 77 | 110 | 11.0 | 14.5 | 2.0 | 6-25 | 56.7 |
| FUNKS G-4779W | 101 | 76 | 104 | 8.3 | 11.5 | 1.0 | 6-26 | 56.3 |
| PIONEER 3165 + | - | 105 | 132 | - | 3.5 | 2.0 | 6-26 | 57.8 |
| ZIMMERMAN Z 54 W | - | 101 | 126 | - | 22.5 | 2.0 | 6-25 | 55.4 |
| PIONEER 3144W | - | 98 | 122 | - | 15.5 | 1.0 | 6-24 | 55.1 |
| JACQUES W-210 | - | 96 | 120 | - | 24.0 | 1.0 | 6-23 | 58.8 |
| AGRATECH 921W | - | 95 | 119 | - | 19.5 | 1.0 | 6-23 | 54.9 |
| JACQUES W-310 | - | 90 | 126 | - | 22.5 | 1.0 | 6-24 | 59.9 |
| FUNKS 6054W | - | 86 | 114 | - | 12.5 | 2.0 | 6-24 | 56.9 |
| FUNK'S 6044W | - | - | 134 | - | - | 2.0 | 6-24 | 58.9 |
| ZIMMERMAN Z 16 W | - | - | 126 | - | - | 2.0 | 6-22 | 57.3 |
| CARGILL 9400W | - | - | 124 | - | - | 2.0 | 6-23 | 58.9 |
| SEEDTEC H-2625W | - | - | 124 | - | - | 0 | 6-24 | 58.4 |
| TEST AVERAGE | | | 118.3 | | | | | |
| L.S.D. (.05) | | | 10.7 | | | | | |
| C.V. (%) | | | 6.4 | | | | | |

[1]CROSSVILLE.
+YELLOW CORN CHECK HYBRID.

TABLE 10. WHITE CORN HYBRID TEST, CENTRAL ALABAMA,[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE, AV. | | | LODGED STALKS, AV. | | | 1987 | |
|---|---|---|---|---|---|---|---|---|
| | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | MIDSILK | TEST WEIGHT |
| | BU. | BU. | BU. | PCT. | PCT. | PCT. | MO./DA. | LB./BU. |
| ZIMMERMAN Z 14 W | 93 | 67 | 96 | 5.3 | 7.5 | 12.0 | 6-18 | 53.0 |
| ASGROW/O'S GOLD RX 405W | 91 | 64 | 88 | 18.7 | 28.0 | 38.0 | 6-19 | 55.8 |
| ZIMMERMAN Z 60 W | 89 | 65 | 105 | 6.3 | 9.5 | 10.0 | 6-17 | 51.1 |
| COKER 833 W | 88 | 69 | 104 | 8.0 | 11.5 | 14.0 | 6-17 | 51.2 |
| DEKALB DK 77W | 84 | 62 | 92 | 7.0 | 10.0 | 20.0 | 6-19 | 53.0 |
| ZIMMERMAN Z 11 W | 76 | 63 | 108 | 5.3 | 8.0 | 10.0 | 6-18 | 53.0 |
| FUNKS G-4779W | 75 | 58 | 88 | 4.7 | 7.0 | 12.0 | 6-18 | 55.2 |
| FFR 929W | 74 | 55 | 85 | 9.3 | 13.5 | 16.0 | 6-21 | 52.3 |
| PIONEER 3165 + | - | 83 | 124 | - | 5.0 | 7.0 | 6-17 | 51.0 |
| PIONEER 3144W | - | 74 | 105 | - | 8.0 | 15.0 | 6-18 | 54.1 |
| AGRATECH 921W | - | 73 | 111 | - | 5.5 | 5.0 | 6-17 | 51.1 |
| JACQUES W-210 | - | 68 | 93 | - | 4.5 | 8.0 | 6-17 | 57.0 |
| ZIMMERMAN Z 54 W | - | 64 | 99 | - | 8.0 | 12.0 | 6-17 | 51.5 |
| JACQUES W-310 | - | 60 | 90 | - | 6.0 | 7.0 | 6-18 | 56.4 |
| FUNKS 6054W | - | 55 | 80 | - | 3.0 | 4.0 | 6-19 | 52.5 |
| ZIMMERMAN Z 16 W | - | - | 104 | - | - | 5.0 | 6-17 | 53.1 |
| CARGILL 9400W | - | - | 94 | - | - | 7.0 | 6-18 | 54.6 |
| SEEDTEC H-2625W | - | - | 89 | - | - | 6.0 | 6-18 | 55.4 |
| FUNK'S 6044W | - | - | 85 | - | - | 11.0 | 6-19 | 57.4 |
| TEST AVERAGE | | | 96.7 | | | | | |
| L.S.D. (.05) | | | 20.7 | | | | | |
| C.V. (%) | | | 15.1 | | | | | |

[1]E.V. SMITH RESEARCH CENTER, SHORTER.
+YELLOW CORN CHECK HYBRID.

TABLE 11. WHITE CORN HYBRID TEST, SOUTHERN ALABAMA,[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE, AV. 3-YR. 1985-87 | YIELD PER ACRE, AV. 2-YR. 1986-87 | YIELD PER ACRE, AV. 1987 | LODGED STALKS, AV. 3-YR. 1985-87 | LODGED STALKS, AV. 2-YR. 1986-87 | LODGED STALKS, AV. 1987 | 1987 MIDSILK | 1987 TEST WEIGHT |
|---|---|---|---|---|---|---|---|---|
| | BU. | BU. | BU. | PCT. | PCT. | PCT. | MO./DA. | LB./BU. |
| ZIMMERMAN Z 14 W | 128 | 116 | 133 | 3.0 | 4.0 | 1.0 | 6-13 | 56.6 |
| ZIMMERMAN Z 60 W | 124 | 113 | 122 | 3.3 | 3.5 | 2.0 | 6-10 | 55.0 |
| DEKALB DK 77W | 123 | 117 | 131 | 3.0 | 3.0 | 1.0 | 6-18 | 56.0 |
| COKER 833 W | 118 | 112 | 124 | 1.3 | 1.5 | 2.0 | 6-11 | 55.8 |
| FFR 929W | 111 | 100 | 130 | 3.3 | 4.0 | 4.0 | 6-9 | 57.0 |
| ASGROW/O'S GOLD RX 405W | 106 | 96 | 133 | 5.7 | 7.5 | 3.0 | 6-18 | 57.8 |
| FUNKS G-4779W | 102 | 90 | 116 | 4.3 | 5.5 | 2.0 | 6-11 | 55.7 |
| ZIMMERMAN Z 11 W | 97 | 93 | 113 | 5.0 | 7.0 | 5.0 | 6-13 | 57.1 |
| ZIMMERMAN Z 54 W | - | 123 | 154 | - | 3.0 | 4.0 | 6-13 | 55.0 |
| PIONEER 3165 + | - | 119 | 151 | - | 1.0 | 1.0 | 6-18 | 56.3 |
| PIONEER 3144W | - | 119 | 144 | - | 3.5 | 0 | 6-9 | 56.7 |
| JACQUES W-210 | - | 106 | 126 | - | 7.0 | 5.0 | 6-11 | 57.6 |
| FUNKS 6054W | - | 105 | 127 | - | 3.0 | 0 | 6-10 | 56.3 |
| JACQUES W-310 | - | 101 | 116 | - | 3.5 | 1.0 | 6-11 | 57.9 |
| AGRATECH 921W | - | 97 | 113 | - | 3.5 | 3.0 | 6-11 | 56.2 |
| ZIMMERMAN Z 16 W | - | - | 145 | - | - | 1.0 | 6-9 | 56.8 |
| CARGILL 9400W | - | - | 130 | - | - | 1.0 | 6-14 | 58.2 |
| FUNK'S 6044W | - | - | 128 | - | - | 2.0 | 6-11 | 58.4 |
| SEEDTEC H-2625W | - | - | 121 | - | - | 2.0 | 6-11 | 58.9 |
| TEST AVERAGE | | | 129.1 | | | | | |
| L.S.D. (.05) | | | 18.2 | | | | | |
| C.V. (%) | | | 10.0 | | | | | |

[1] HEADLAND.
THE TEST RECIEVED APPROXIMATELY 16.5 INCHES OF IRRIGATION WATER IN 11 APPLICATIONS DURING THE MONTH(S) OF MAY, JUNE, AND JULY.
+YELLOW CORN CHECK HYBRID.

TABLE 12. EARLY CORN HYBRID TEST, NORTHERN ALABAMA,[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE, AV. | | | LODGED STALKS, AV. | | | 1987 | |
|---|---|---|---|---|---|---|---|---|
| | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | MIDSILK | TEST WEIGHT |
| | BU. | BU. | BU. | PCT. | PCT. | PCT. | MO./DA. | LB./BU. |
| ZIMMERMAN Z 27 Y | 146 | 131 | 149 | 9.0 | 11.0 | 1.0 | 6-20 | 56.6 |
| FUNKS G-4614 | 141 | 130 | 158 | 5.7 | 6.0 | 0 | 6-17 | 57.8 |
| COKER 8601 | 140 | 130 | 150 | 5.3 | 7.0 | 2.0 | 6-18 | 55.7 |
| ASGROW/O'S GOLD 2570 | 137 | 132 | 161 | 6.3 | 7.5 | 1.0 | 6-16 | 56.7 |
| MCCURDY 7372 | 137 | 132 | 157 | 6.7 | 6.5 | 0 | 6-16 | 58.1 |
| SEEDTEC H-2601 | 137 | 138 | 161 | 4.3 | 3.5 | 1.0 | 6-17 | 55.5 |
| FFR 747 | 136 | 127 | 147 | 3.0 | 3.0 | 0 | 6-18 | 58.2 |
| AGRATECH GK 750 | 135 | 126 | 151 | 2.3 | 2.0 | 0 | 6-17 | 58.5 |
| JACQUES 7900 | 134 | 128 | 150 | 8.7 | 10.5 | 0 | 6-16 | 56.8 |
| NORTHRUP KING PX 79 | 132 | 119 | 147 | 2.7 | 3.0 | 0 | 6-15 | 54.2 |
| FUNKS G-4522 | 131 | 124 | 145 | 5.7 | 6.5 | 1.0 | 6-19 | 56.0 |
| ASGROW/O'S GOLD RX 777 | 131 | 119 | 145 | 3.0 | 2.5 | 1.0 | 6-16 | 57.9 |
| COKER 8575 | 130 | 126 | 147 | 3.0 | 3.0 | 1.0 | 6-17 | 55.8 |
| JACQUES 7820 | 127 | 122 | 145 | 2.7 | 2.0 | 1.0 | 6-16 | 57.4 |
| FUNK'S RING AROUND 1404 | 126 | 124 | 143 | 2.3 | 2.0 | 1.0 | 6-18 | 56.3 |
| MCCURDY 7800 | - | 127 | 146 | - | 5.5 | 0 | 6-19 | 56.0 |
| DEKALB DK 656 | - | 125 | 150 | - | 4.0 | 1.0 | 6-16 | 57.1 |
| STAUFFER S 7751 | - | 124 | 147 | - | 2.5 | 0 | 6-17 | 57.8 |
| SEEDTEC 7625 | - | 123 | 148 | - | 4.5 | 1.0 | 6-18 | 58.9 |
| SUNBELT 5613 | - | - | 162 | - | - | 3.0 | 6-16 | 56.0 |
| SUNBELT 1827 | - | - | 161 | - | - | 1.0 | 6-19 | 56.4 |
| MCCURDY 7676 | - | - | 155 | - | - | 2.0 | 6-15 | 56.2 |
| SUNBELT 6225 | - | - | 152 | - | - | 2.0 | 6-18 | 54.7 |
| CARGILL 971 | - | - | 152 | - | - | 1.0 | 6-17 | 55.9 |
| FUNK'S G-4543 | - | - | 150 | - | - | 1.0 | 6-16 | 58.9 |
| ASGROW/O'S GOLD RX 860 | - | - | 148 | - | - | 1.0 | 6-15 | 57.6 |
| SUNBELT 1802 | - | - | 148 | - | - | 1.0 | 6-16 | 56.1 |
| GARST 8344 | - | - | 147 | - | - | 0 | 6-19 | 58.6 |
| CARGILL SX 352 | - | - | 142 | - | - | 0 | 6-19 | 57.0 |
| SEEDTEC ST-7680 | - | - | 140 | - | - | 0 | 6-17 | 57.9 |
| DEKALB DK 636 | - | - | 139 | - | - | 0 | 6-18 | 58.1 |
| CARGILL 973 | - | - | 139 | - | - | 3.0 | 6-16 | 56.6 |
| FFR 767 | - | - | 135 | - | - | 3.0 | 6-15 | 57.0 |
| TEST AVERAGE | | | 148.9 | | | | | |
| L.S.D. (.05) | | | 15.8 | | | | | |
| C.V. (%) | | | 7.6 | | | | | |

[1] CROSSVILLE.

TABLE 13. EARLY CORN HYBRID TEST, CENTRAL ALABAMA,[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE, AV. | | | LODGED STALKS, AV. | | | 1987 | |
|---|---|---|---|---|---|---|---|---|
| | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | MIDSILK | TEST WEIGHT |
| | BU. | BU. | BU. | PCT. | PCT. | PCT. | MO./DA. | LB./BU. |
| COKER 8601 | 103 | 72 | 117 | 3.3 | 4.5 | 4.0 | 6-14 | 57.7 |
| MCCURDY 7372 | 103 | 71 | 106 | 8.3 | 12.0 | 19.0 | 6-12 | 57.8 |
| FUNKS G-4614 | 102 | 68 | 102 | 5.0 | 7.5 | 14.0 | 6-14 | 60.5 |
| ZIMMERMAN Z 27 Y | 102 | 71 | 109 | 3.0 | 4.0 | 6.0 | 6-16 | 58.7 |
| ASGROW/O'S GOLD 2570 | 99 | 82 | 122 | 4.7 | 7.0 | 11.0 | 6-13 | 58.6 |
| FUNK'S RING AROUND 1404 | 96 | 69 | 111 | 3.3 | 5.0 | 7.0 | 6-13 | 56.7 |
| FFR 747 | 93 | 71 | 110 | 5.3 | 8.0 | 10.0 | 6-12 | 59.6 |
| COKER 8575 | 93 | 67 | 108 | 6.0 | 9.0 | 16.0 | 6-13 | 57.0 |
| JACQUES 7820 | 93 | 73 | 115 | 5.7 | 8.5 | 15.0 | 6-12 | 59.9 |
| SEEDTEC H-2601 | 92 | 71 | 108 | 8.3 | 12.0 | 23.0 | 6-14 | 55.5 |
| AGRATECH GK 750 | 92 | 72 | 112 | 4.7 | 7.0 | 8.0 | 6-13 | 60.0 |
| ASGROW/O'S GOLD RX 777 | 89 | 63 | 98 | 5.7 | 8.5 | 14.0 | 6-12 | 60.4 |
| JACQUES 7900 | 88 | 69 | 113 | 5.7 | 8.5 | 15.0 | 6-12 | 57.5 |
| NORTHRUP KING PX 79 | 83 | 53 | 80 | 5.0 | 7.0 | 10.0 | 6-16 | 56.6 |
| STAUFFER S 7751 | - | 72 | 115 | - | 8.5 | 14.0 | 6-12 | 59.5 |
| MCCURDY 7800 | - | 72 | 110 | - | 11.0 | 17.0 | 6-15 | 60.7 |
| DEKALB DK 656 | - | 68 | 101 | - | 4.0 | 7.0 | 6-13 | 58.1 |
| SEEDTEC 7625 | - | 66 | 99 | - | 7.5 | 12.0 | 6-14 | 60.4 |
| SUNBELT 5613 | - | - | 128 | - | - | 8.0 | 6-12 | 58.5 |
| SUNBELT 1802 | - | - | 126 | - | - | 13.0 | 6-13 | 59.5 |
| ASGROW/O'S GOLD RX 860 | - | - | 119 | - | - | 7.0 | 6-12 | 60.6 |
| SUNBELT 6225 | - | - | 119 | - | - | 8.0 | 6-16 | 58.5 |
| SUNBELT 1827 | - | - | 117 | - | - | 13.0 | 6-15 | 58.8 |
| DEKALB DK 636 | - | - | 109 | - | - | 18.0 | 6-14 | 59.3 |
| GARST 8344 | - | - | 108 | - | - | 13.0 | 6-12 | 59.8 |
| CARGILL 971 | - | - | 104 | - | - | 22.0 | 6-15 | 56.7 |
| FUNK'S G-4543 | - | - | 103 | - | - | 8.0 | 6-13 | 60.1 |
| SEEDTEC ST-7680 | - | - | 103 | - | - | 5.0 | 6-13 | 59.0 |
| MCCURDY 7676 | - | - | 102 | - | - | 18.0 | 6-14 | 59.0 |
| CARGILL 973 | - | - | 100 | - | - | 2.0 | 6-14 | 58.0 |
| CARGILL SX 352 | - | - | 92 | - | - | 22.0 | 6-13 | 57.1 |
| FFR 767 | - | - | 87 | - | - | 22.0 | 6-12 | 57.6 |
| TEST AVERAGE | | | 107.8 | | | | | |
| L.S.D. (.05) | | | 20.9 | | | | | |
| C.V. (%) | | | 13.8 | | | | | |

[1] E.V. SMITH RESEARCH CENTER, SHORTER.

## TABLE 14. EARLY CORN HYBRID TEST, SOUTHERN ALABAMA,[1] 1985-87

| BRAND NAME-HYBRID | YIELD PER ACRE, AV. | | | LODGED STALKS, AV. | | | 1987 | |
|---|---|---|---|---|---|---|---|---|
| | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | 3-YR. 1985-87 | 2-YR. 1986-87 | 1987 | MIDSILK | TEST WEIGHT |
| | BU. | BU. | BU. | PCT. | PCT. | PCT. | MO./DA. | LB./BU. |
| ZIMMERMAN Z 27 Y | 129 | 125 | 105 | 0.3 | 0.5 | 0 | 5-29 | 52.4 |
| SEEDTEC H-2601 | 128 | 126 | 113 | 0 | 0 | 0 | 5-26 | 49.3 |
| COKER 8575 | 126 | 128 | 98 | 0 | 0 | 0 | 5-27 | 50.1 |
| FUNKS G-4522 | 125 | 131 | 109 | 0.3 | 0.5 | 0 | 5-28 | 50.5 |
| COKER 8601 | 123 | 120 | 108 | 0 | 0 | 0 | 5-27 | 50.3 |
| JACQUES 7820 | 122 | 119 | 104 | 0 | 0 | 0 | 5-26 | 54.1 |
| MCCURDY 7372 | 122 | 119 | 105 | 0 | 0 | 0 | 5-25 | 52.6 |
| ASGROW/O'S GOLD RX 777 | 121 | 120 | 106 | 0.3 | 0.5 | 0 | 5-26 | 55.0 |
| FFR 747 | 121 | 117 | 105 | 0 | 0 | 0 | 5-26 | 53.5 |
| AGRATECH GK 750 | 119 | 121 | 113 | 0 | 0 | 0 | 5-25 | 52.9 |
| ASGROW/O'S GOLD 2570 | 119 | 115 | 102 | 2.3 | 3.5 | 0 | 5-27 | 50.4 |
| FUNK'S RING AROUND 1404 | 116 | 117 | 96 | 0 | 0 | 0 | 5-26 | 49.4 |
| JACQUES 7900 | 116 | 113 | 99 | 0.3 | 0.5 | 0 | 5-25 | 49.7 |
| FUNKS G-4614 | 112 | 111 | 105 | 0 | 0 | 0 | 5-29 | 54.4 |
| MCCURDY 7800 | - | 127 | 106 | - | 0.5 | 0 | 5-28 | 53.1 |
| STAUFFER S 7751 | - | 125 | 113 | - | 0.5 | 0 | 5-26 | 53.4 |
| NORTHRUP KING PX 79 | - | 118 | 106 | - | 0 | 0 | 5-27 | 53.1 |
| DEKALB DK 656 | - | 117 | 93 | - | 0 | 0 | 5-25 | 49.5 |
| SEEDTEC 7625 | - | 114 | 106 | - | 0 | 0 | 5-27 | 51.9 |
| GARST 8344 | - | - | 115 | - | - | 0 | 5-26 | 53.7 |
| SUNBELT 5613 | - | - | 112 | - | - | 0 | 5-25 | 51.6 |
| SUNBELT 6225 | - | - | 112 | - | - | 0 | 5-30 | 51.2 |
| SEEDTEC ST-7680 | - | - | 109 | - | - | 0 | 5-25 | 53.0 |
| FUNK'S G-4543 | - | - | 108 | - | - | 0 | 5-25 | 52.7 |
| CARGILL 971 | - | - | 107 | - | - | 0 | 5-27 | 49.8 |
| SUNBELT 1827 | - | - | 105 | - | - | 0 | 5-29 | 52.5 |
| SUNBELT 1802 | - | - | 104 | - | - | 0 | 5-26 | 51.6 |
| CARGILL 973 | - | - | 100 | - | - | 0 | 5-26 | 50.2 |
| DEKALB DK 636 | - | - | 99 | - | - | 0 | 5-25 | 52.4 |
| ASGROW/O'S GOLD RX 860 | - | - | 99 | - | - | 0 | 5-25 | 54.8 |
| MCCURDY 7676 | - | - | 99 | - | - | 0 | 5-29 | 51.0 |
| CARGILL SX 352 | - | - | 95 | - | - | 0 | 5-26 | 53.5 |
| FFR 767 | - | - | 88 | - | - | 0 | 5-25 | 51.6 |
| TEST AVERAGE | | | 104.3 | | | | | |
| L.S.D. (.05) | | | 16.4 | | | | | |
| C.V. (%) | | | 11.2 | | | | | |

[1] FAIRHOPE.

REPORT OF PRELIMINARY TESTS

TABLE 15. CHARACTERISTICS OF CORN HYBRIDS TESTED ONE YEAR AT CROSSVILLE IN NORTHERN ALABAMA, 1987

| BRAND NAME-HYBRID | AV. YIELD PER ACRE | LODGED STALKS | MIDSILK | TEST WEIGHT |
|---|---|---|---|---|
| | BU. | PCT. | MO.-DA. | LB./BU. |
| DELTAPINE X6650 | 160 | 0 | 6-18 | 58.2 |
| COKER 8696 | 158 | 0 | 6-24 | 56.0 |
| CARGILL 7993 | 155 | 0 | 6-18 | 57.9 |
| COKER 3020 | 155 | 1.0 | 6-19 | 55.9 |
| DELTAPINE X4151 | 155 | 0 | 6-20 | 58.4 |
| MCCURDY 85-60 | 154 | 1.0 | 6-21 | 56.3 |
| FUNK'S EXCEL 6064E | 154 | 0 | 6-19 | 58.0 |
| ZIMMERMAN Z 27 Y | 153 | 0 | 6-26 | 56.5 |
| AGRATECH 888 | 153 | 1.0 | 6-21 | 57.4 |
| CARGILL 8717 | 152 | 0 | 6-21 | 55.8 |
| FFR 31288 EXP | 151 | 1.0 | 6-21 | 58.0 |
| JACQUES 8250 | 151 | 1.0 | 6-24 | 57.0 |
| CRIST C-7118V | 151 | 1.0 | 6-25 | 56.3 |
| GARST 8180 | 151 | 1.0 | 6-22 | 56.7 |
| CRIST C-7115 | 151 | 1.0 | 6-18 | 57.2 |
| GARST N4116 | 151 | 1.0 | 6-25 | 56.8 |
| JACQUES 8210 | 149 | 0 | 6-18 | 56.3 |
| CRIST C-6122 | 148 | 1.0 | 6-23 | 57.6 |
| ZIMMERMAN Z 38 | 147 | 1.0 | 6-18 | 57.7 |
| FUNK'S G-4743 | 146 | 0 | 6-25 | 59.2 |
| JACQUES 8350 | 146 | 1.0 | 6-18 | 56.0 |
| STAUFFER S 7686 | 146 | 0 | 6-19 | 58.0 |
| PIONEER 3358 | 146 | 0 | 6-21 | 56.4 |
| PIONEER 3295 | 146 | 1.0 | 6-25 | 55.4 |
| PIONEER 3110 | 145 | 0 | 6-25 | 58.5 |
| DEKALB DK 689 | 145 | 0 | 6-25 | 54.9 |
| TR 3303 | 145 | 0 | 6-19 | 55.9 |
| ASGROW/O'S GOLD RX905 | 145 | 3.0 | 6-27 | 56.5 |
| DELTAPINE X7345 | 144 | 1.0 | 6-25 | 56.2 |
| SEEDTEC H-2695A | 143 | 1.0 | 6-25 | 56.2 |
| STAUFFER S 8645 | 143 | 1.0 | 6-25 | 57.3 |
| FUNK'S EXCEL 6080E | 143 | 1.0 | 6-22 | 56.9 |
| PIONEER 3165 | 141 | 1.0 | 6-26 | 57.2 |
| JACQUES EXP 7125V | 140 | 0 | 6-19 | 57.3 |
| FFR 810 | 139 | 1.0 | 6-20 | 58.6 |
| DELTAPINE X8751 | 139 | 1.0 | 6-20 | 56.5 |
| FFR 848 | 137 | 0 | 6-26 | 55.0 |
| CARGILL 8967 | 137 | 1.0 | 6-21 | 57.3 |
| GARST R4350 | 137 | 2.0 | 6-24 | 57.7 |
| MCCURDY 7700 | 136 | 0 | 6-22 | 57.2 |
| SUNBELT 7201 | 136 | 0 | 6-26 | 55.6 |
| FUNKS G-4734 | 133 | 2.0 | 6-25 | 56.8 |
| COKER 8690 | 132 | 0 | 6-21 | 55.2 |
| DELTAPINE X9986 | 131 | 0 | 6-27 | 57.5 |
| FUNKS G-4765 | 129 | 1.0 | 6-24 | 56.4 |
| SUNBELT 7401 | 129 | 0 | 6-28 | 51.2 |
| CX 6801 | 128 | 1.0 | 6-27 | 57.5 |
| SUNBELT 1860 | 123 | 1.0 | 6-26 | 54.9 |
| COKER 778 | 106 | 2.0 | 6-30 | 55.0 |
| TEST AVERAGE | 143.5 | | | |
| L.S.D. (.05) | 16.3 | | | |
| C.V. (%) | 6.3 | | | |

REPORT OF PRELIMINARY TESTS

TABLE 16. CHARACTERISTICS OF CORN HYBRIDS TESTED ONE YEAR AT TALLASSEE IN CENTRAL ALABAMA, 1987

| BRAND NAME-HYBRID | AV. YIELD PER ACRE | LODGED STALKS | MIDSILK | TEST WEIGHT |
|---|---|---|---|---|
| | BU. | PCT. | MO.-DA. | LB./BU. |
| N.K. MCNAIR 508 | 183 | 2.0 | 6-19 | 58.4 |
| PIONEER 3110 | 168 | 0 | 6-12 | 61.0 |
| CX 6801 | 163 | 4.0 | 6-14 | 59.1 |
| SUNBELT 1860 | 162 | 1.0 | 6-16 | 58.6 |
| DELTAPINE X9686 | 162 | 1.0 | 6-14 | 58.8 |
| JACQUES 8210 | 159 | 0 | 6-11 | 60.5 |
| CARGILL 9427 | 157 | 2.0 | 6-13 | 57.5 |
| FUNKS G-4868 | 157 | 0 | 6-14 | 55.4 |
| SUNBELT 7201 | 156 | 1.0 | 6-11 | 60.1 |
| PIONEER 3320 | 155 | 0 | 6-13 | 59.0 |
| DELTAPINE X9986 | 153 | 0 | 6-15 | 59.1 |
| ASGROW/O'S GOLD RX905 | 153 | 1.0 | 6-11 | 58.9 |
| SUNBELT 7401 | 153 | 3.0 | 6-15 | 56.8 |
| GARST 8180 | 152 | 2.0 | 6-13 | 59.1 |
| PIONEER 3295 | 151 | 1.0 | 6-12 | 57.9 |
| COKER 8690 | 148 | 2.0 | 6-12 | 55.6 |
| CRIST C-6122 | 148 | 2.0 | 6-13 | 60.0 |
| FUNK'S G-4743 | 147 | 1.0 | 6-12 | 60.6 |
| GARST N4116 | 145 | 0 | 6-13 | 60.5 |
| CX 5059 | 144 | 0 | 6-13 | 59.1 |
| DELTAPINE X4670 | 143 | 3.0 | 6-11 | 58.4 |
| DELTAPINE X8751 | 142 | 2.0 | 6-12 | 59.0 |
| COKER 77B | 141 | 6.0 | 6-17 | 57.6 |
| AGRATECH GK 850 | 140 | 2.0 | 6-14 | 58.5 |
| CRIST C-7125 | 140 | 1.0 | 6-12 | 58.8 |
| FUNKS G-4734 | 139 | 1.0 | 6-10 | 60.0 |
| GARST R4350 | 137 | 0 | 6-12 | 59.9 |
| DELTAPINE X6650 | 137 | 0 | 6-11 | 60.3 |
| STAUFFER S 8645 | 137 | 0 | 6-14 | 60.0 |
| SEEDTEC H-2695A | 136 | 2.0 | 6-14 | 58.0 |
| AGRATECH 888 | 136 | 1.0 | 6-12 | 60.0 |
| ZIMMERMAN Z 38 | 136 | 0 | 6-12 | 60.3 |
| FFR 31288 EXP | 136 | 1.0 | 6-13 | 59.8 |
| JACQUES 8250 | 135 | 3.0 | 6-12 | 59.1 |
| PIONEER 3358 | 134 | 1.0 | 6-11 | 59.2 |
| TR 3303 | 133 | 1.0 | 6-11 | 58.8 |
| ZIMMERMAN Z 45 | 133 | 1.0 | 6-10 | 60.1 |
| STAUFFER S 7686 | 133 | 1.0 | 6-13 | 59.9 |
| COKER 3020 | 130 | 5.0 | 6-10 | 58.2 |
| JACQUES 8350 | 129 | 4.0 | 6-11 | 58.1 |
| CRIST C-7115 | 128 | 0 | 6-11 | 59.6 |
| FFR 810 | 127 | 1.0 | 6-13 | 60.2 |
| CARGILL 8967 | 126 | 0 | 6-11 | 58.3 |
| COKER 8625 | 123 | 0 | 6-12 | 60.7 |
| FUNK'S EXCEL 6064E | 123 | 1.0 | 6-12 | 60.4 |
| DELTAPINE X4151 | 119 | 0 | 6-9 | 60.7 |
| MCCURDY 7700 | 116 | 0 | 6-13 | 60.3 |
| NORTHRUP KING PX 9540 | 114 | 3.0 | 6-13 | 59.9 |
| FFR 848 | 113 | 6.0 | 6-12 | 58.7 |
| TEST AVERAGE | 141.4 | | | |
| L.S.D. (.05) | 16.3 | | | |
| C.V. (%) | 8.8 | | | |

REPORT OF PRELIMINARY TESTS

TABLE 17. CHARACTERISTICS OF CORN HYBRIDS TESTED ONE YEAR AT FAIRHOPE IN SOUTHERN ALABAMA, 1987

| BRAND NAME-HYBRID | AV. YIELD PER ACRE | LODGED STALKS | MIDSILK | TEST WEIGHT |
|---|---|---|---|---|
| | BU. | PCT. | MO.-DA. | LB./BU. |
| CX 6801 | 170 | 4.0 | 6-4 | 56.0 |
| SUNBELT 7401 | 159 | 0 | 6-6 | 52.9 |
| DELTAPINE X7345 | 154 | 0 | 5-31 | 54.8 |
| SUNBELT 1876 | 149 | 4.0 | 6-8 | 54.0 |
| STAUFFER S 8645 | 148 | 0 | 6-1 | - |
| DELTAPINE X9686 | 147 | 0 | 6-2 | 56.4 |
| PIONEER 3165 | 145 | 0 | 6-4 | 53.5 |
| ASGROW/O'S GOLD RX905 | 145 | 0 | 5-31 | 56.4 |
| CARGILL SX 379 | 144 | 1.0 | 6-2 | 56.0 |
| N.K. MCNAIR 508 | 144 | 0 | 6-8 | 53.7 |
| GARST N4116 | 143 | 0 | 6-3 | 56.3 |
| GARST R4350 | 142 | 0 | 6-1 | 55.8 |
| FFR 810 | 138 | 0 | 5-29 | 55.4 |
| CARGILL 8967 | 135 | 0 | 6-1 | 54.4 |
| CARGILL 8717 | 135 | 0 | 5-31 | 53.9 |
| MCCURDY 85-60 | 135 | 2.0 | 6-2 | 54.8 |
| FUNKS G-4614 | 134 | 0 | 6-3 | 57.5 |
| JACQUES 8210 | 132 | 1.0 | 5-29 | 57.4 |
| FFR 31288 EXP | 132 | 0 | 5-31 | 56.2 |
| DELTAPINE X4670 | 130 | 0 | 5-30 | 54.6 |
| MCCURDY 8170 | 130 | 0 | 6-3 | 56.4 |
| FUNKS G-4868 | 129 | 0 | 6-6 | 54.6 |
| DELTAPINE X8751 | 129 | 1.0 | 5-31 | 56.1 |
| CRIST C-6122 | 128 | 1.0 | 6-2 | 55.9 |
| CRIST C-7115 | 128 | 0 | 5-29 | 55.6 |
| FUNK'S EXCEL 6080E | 128 | 0 | 6-2 | 55.7 |
| GARST 8180 | 128 | 0 | 6-1 | 56.0 |
| CARGILL 980 | 127 | 0 | 6-2 | 56.8 |
| CX 5059 | 126 | 0 | 6-1 | 55.5 |
| AGRATECH 888 | 126 | 0 | 6-2 | 56.8 |
| STAUFFER S 7686 | 125 | 0 | 5-29 | 54.9 |
| SUNBELT 7201 | 125 | 4.0 | 6-2 | 54.6 |
| CRIST C-7119 | 125 | 0 | 5-29 | 55.8 |
| SEEDTEC H-2695A | 125 | 1.0 | 6-4 | 53.7 |
| ZIMMERMAN Z 38 | 123 | 0 | 5-30 | 55.8 |
| DELTAPINE X6650 | 123 | 0 | 5-29 | 56.5 |
| FUNK'S G-4743 | 122 | 1.0 | 6-3 | 57.8 |
| ZIMMERMAN Z 45 | 121 | 0 | 5-30 | 55.8 |
| DELTAPINE X4151 | 120 | 0 | 5-30 | 56.7 |
| COKER 8690 | 119 | 0 | 5-30 | 51.6 |
| JACQUES 8350 | 118 | 0 | 5-30 | 57.0 |
| CRIST C-7118V | 116 | 0 | 6-3 | 54.5 |
| PIONEER 3358 | 114 | 0 | 5-30 | 53.4 |
| FFR 955 | 114 | 1.0 | 6-6 | 54.5 |
| FFR 848 | 112 | 1.0 | 6-4 | 56.4 |
| JACQUES EXP 7125V | 112 | 0 | 5-31 | - |
| COKER 8696 | 106 | 0 | 6-2 | 55.3 |
| PIONEER 3295 | 106 | 0 | 5-31 | 53.8 |
| MCCURDY 84-63 | 102 | 0 | 5-31 | 55.7 |
| TEST AVERAGE | 129.8 | | | |
| L.S.D. (.05) | 16.3 | | | |
| C.V. (%) | 12.2 | | | |

# SOURCES OF 1987 CORN HYBRID TEST SEED

| Seed Company | Brand |
|---|---|
| AgraTech Seeds, Inc.<br>P.O. Box 644<br>Ashburn, GA 31714 | GK |
| Alabama Farmers<br>Cooperative, Inc.<br>P.O. Box 2227<br>Decatur, AL 35602 | FFR |
| Asgrow Seed Co.<br>7000 Portage Rd.<br>Kalamazoo, MI 49001 | Asgrow/<br>O's Gold |
| Cargill Seed Division<br>Box 5645<br>Minneapolis, MN 55440 | Cargill |
| Coker's Pedigreed Seed Co.<br>P.O. Box 2629<br>West Memphis, AR 72301 | Coker<br>CX |
| Crist Seed Outlets, Inc.<br>Box 1107<br>Lynn Haven, FL 32444 | Crist |
| DeKalb-Pfizer Genetics<br>3100 Sycamore Road<br>DeKalb, IL 60115 | DeKalb |
| Delta and Pine Land Co.<br>Scott, MS 38772 | Deltapine |
| Funk Seeds International<br>P.O. Box 2911<br>Bloomington, IL 61702 | Funk's G<br>Ring Around |
| Garst Seed Company<br>Rt. 3 Box 93<br>Bowling Green, MD 63334 | Garst |
| Jacques Seed Co.<br>Prescott, WI 54021 | Jacques |
| McCurdy Seed Co.<br>Fremont, IA 52561 | McCurdy |
| Northrup King Co.<br>P.O. Drawer 889<br>Laurinburg, NC 38352 | Northrup King<br>McNair |
| Pioneer Hi-Bred Int.<br>1000 W. Jefferson St.<br>Tipton, IN 46072 | Pioneer |
| Seed Processors, Inc.<br>Rt. 4 Box 90<br>Wetumpka, AL 36092 | Sunbelt |
| SeedTec International,<br>Inc.<br>Eldred, IL 62027 | SeedTec |
| Stauffer Seeds, Inc.<br>Box 377<br>Lone Tree, IA 52755 | Stauffer |
| Summit Seed Co.<br>P.O. Box 10121<br>Lubbock, TX 79408 | TR |
| Zimmerman Hybrids, Inc.<br>5147 W. Franklin Rd.<br>Evansville, IN 47712 | Zimmerman |

## ACCEPTABLE HYBRIDS FOR 1988

All of the acceptable hybrids are not equal in performance. It is suggested that this report be carefully studied before choosing a hybrid. For relative maturity information, use the days to midsilk data in preceding tables. Unless otherwise noted, all acceptable hybrids have been tested at least 3 years in the regular variety tests and are listed in descending order of 3-year average yield.

### NORTHERN ALABAMA

| Yellow hybrids | | White hybrids | | Early hybrids | |
|---|---|---|---|---|---|
| Brand name | Hybrid | Brand name | Hybrid | Brand Name | Hybrid |
| Pioneer | 3165 | Zimmerman | Z 60 W | Zimmerman | Z 27 Y |
| McCurdy | 8172 | Zimmerman | Z 14 W | Sunbelt | 1827 |
| Zimmerman | Z 27 Y | Coker | 833W | Funk's | G-4614 |
| Pioneer | 3320 | FFR | 929W | Coker | 8601 |
| Pioneer | 3147 | Asgrow/O's Gold | RX 405W | Asgrow/O's Gold | 2570 |
| Pioneer | 3187 | *Zimmerman | Z 11 W | McCurdy | 7372 |
| Northrup King | PX 95 | *Funk's | G-4779W | SeedTec | H-2601 |
| Asgrow/O's Gold | 2570 | **Zimmerman | Z 54 W | FFR | 747 |
| Jacques | 8400 | **Pioneer | 3144W | AgraTech | GK 750 |
| AgraTech | GK 850 | **Jacques | W-210 | Jacques | 7900 |
| *Funk's | G-4733 | **AgraTech | 921W | *Northrup King | PX 79 |
| *Cargill | 8990 | | | *Funk's | G-4522 |
| *Funk's | G-4522 | | | *Asgrow/O's Gold | RX 777 |
| *McCurdy | 8150 | | | | |
| *Funk's | RA 1502 | | | | |
| *Northrup King | PX 9581 | | | | |
| *Asgrow/O's Gold | 5509 | | | | |
| *McCurdy | 84AA | | | | |
| *Coker | 21 | | | | |
| **DeKalb | DK 689 | | | | |
| **DeKalb | DK 789 | | | | |

*If present trends continue, this hybrid will be removed from the acceptable list next year in the category indicated.
**Recommended based on exceptional 2-year average.

ACCEPTABLE HYBRIDS FOR 1988 (continued)
SOUTHERN ALABAMA

| Yellow hybrid | | White hybrid | | Early Hybrid | |
|---|---|---|---|---|---|
| Brand name | Hybrid | Brand name | Hybrid | Brand name | Hybrid |
| Pioneer | 3165 | Zimmerman | Z 14 W | Zimmerman | Z 27 Y |
| McCurdy | 8172 | Zimmerman | Z 60 W | SeedTec | H-2601 |
| McCurdy | 8150 | DeKalb | DK 77W | Sunbelt | 1827 |
| Pioneer | 3320 | Coker | 833W | Sunbelt | 1802 |
| Sunbelt | 1827 | *FFR | 929W | Coker | 8575 |
| Pioneer | 3147 | *Asgrow/O's Gold | RX 405W | Funk's | G-4522 |
| Asgrow/O's Gold | 5509 | *Funk's | G-4779W | Coker | 8601 |
| Coker | 21 | *Zimmerman | Z 11 W | Jacques | 7820 |
| Asgrow/O's Gold | 2570 | **Zimmerman | Z 54 W | McCurdy | 7372 |
| Funk's | G-4614 | **Pioneer | 3144 W | Asgrow/O's Gold | RX 777 |
| Funk's | G-4733 | | | FFR | 747 |
| Jacques | 8400 | | | *AgraTech | GK 750 |
| *Pioneer | 3187 | | | *Asgrow/O's Gold | 2570 |
| | | | | *Funk's | RA 1404 |
| | | | | *Jacques | 7900 |
| | | | | *Funk's | G-4614 |
| | | | | **McCurdy | 7800 |
| | | | | **Stauffer | S 7751 |

*If present trends continue, this hybrid will be removed from the acceptable list next year in the category indicated.
**Recommended based on exceptional 2-year average.

ACCEPTABLE HYBRIDS FOR 1988 (continued)
CENTRAL ALABAMA

| Yellow hybrids | | White hybrids | | Early hybrids | | Black Belt | |
|---|---|---|---|---|---|---|---|
| Brand name | Hybrid | Brand name | Hybrid | Brand name | Hybrid | Brand name | Hybrid |
| Pioneer | 3165 | Zimmerman | Z 14 W | Coker | 8601 | Sunbelt | 1860 |
| Pioneer | 3320 | Asgrow/O's Gold | RX 405W | McCurdy | 7372 | Pioneer | 3147 |
| Sunbelt | 1876 | Zimmerman | Z 60 W | Funk's | G-4614 | Funk's | G-4858 |
| Zimmerman | Z 27 Y | Coker | 833 W | Zimmerman | Z 27 Y | Asgrow/O's Gold | 5509 |
| McCurdy | 8172 | DeKalb | DK 77W | Asgrow/O's Gold | 2570 | McCurdy | 84AA |
| Jacques | 8400 | *Funk's | G-4779W | Funk's | RA 1404 | FFR | 955 |
| Pioneer | 3147 | *FFR | 929W | *Coker | 8575 | Jacques | 8400 |
| Asgrow/O's Gold | 2570 | **Pioneer | 3144W | *AgraTech | GK 750 | Northrup King | PX 95 |
| McCurdy | 8150 | **AgraTech | 921W | *Asgrow/O's Gold | RX 777 | **Zimmerman | Z 27 Y |
| Sunbelt | 1827 | | | *Northrup King | PX 79 | **DeKalb | DK 789 |
| *Asgrow/O's Gold | 5509 | | | | | **DeKalb | DK 689 |
| *Northrup King | PX 9581 | | | | | | |
| **DeKalb | DK 689 | | | | | | |
| **DeKalb | DK 789 | | | | | | |
| **Sunbelt | 1882 | | | | | | |

*If present trends continue, this hybrid will be removed from the acceptable list next year in the category indicated.
**Recommended based on exceptional 2-year average.
Black Belt recommended list is based on prior data and is the same as for 1987.