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The 2000
Alabama Performance
Comparison of
Small
Grain
Varieties

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*Information contained herein is available to all persons regardless of race,
color, sex, or national origin.*

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The 2000 Alabama Performance Comparison of Small Grain Varieties

K. M. Glass and P. L. Mask¹

INTRODUCTION

The large number of commercially available varieties of wheat, oat, rye, barley, and triticale makes it difficult for growers to select varieties most suited for their particular area of Alabama. Making this decision requires up-to-date, unbiased, reliable information on varietal yields and characteristics. This report is published annually to provide Alabama growers with this information. This report may also be obtained under Publications at the following website: <http://www.ag.auburn.edu/resinfo/>

Entries in each experiment are determined by the companies or institutes which control each variety or line, not by experiment station personnel. Data from tests conducted at eight locations were used to compile this report. These locations represent the varied growing conditions farmers have around Alabama.

PROCEDURE

The experimental design for the tests was a split plot design with species as the main plot and varieties as subplots. Plots were 5 feet by 20 feet with rows spaced 7 inches apart. A cone drill was used to plant all tests. Each variety was replicated three times in each test.

The trials were divided into two management systems: grain only and forage only.

Grain only: These tests are normally planted during late October to early November, which is approximately one month later than the forage tests. Planting dates for all tests in 1999 are shown in Table 1. All tests were fertilized with phosphorus (P) and potassium (K) according to soil test plus 20 pounds nitrogen (N) per acre at planting. A top dressing of 60 pounds N per acre was made in late February or early March, just before jointing. The plots were not sprayed to control disease so that the varieties could be rated for their inherent disease resistance. The grain was allowed to mature, harvested with a plot combine, then cleaned and weighed. Moisture and bushel test weight were measured.

Forage only: These tests are normally planted in late September to early October. Tests were fertilized at planting with 100 pounds N per acre and clipped with a flail-type mower each time they reached 6 inches in height. A sample was weighed green from each plot, then dried and reweighed. The percent dry matter figure from these weights was used to calculate dry forage matter per acre. The test was top dressed in February with 60 pounds N per acre and clipping was continued until no regrowth occurred.

DATA EXPLANATION

Grain yields were calculated by weighing air-dried grain and using 60 pounds per bushel for wheat, 32 pounds per bushel for oat, 48 pounds per bushel for barley, and 50 pounds per bushel for triticale.

Lodging was measured as the percent of plants in the stand broken or leaning that would likely be missed by a combine. Height was measured from the ground to top of the grain head.

The 1/10 headed date is the date when approximately 10 percent of a plot showed fully emerged heads.

Disease ratings for all 1999-00 variety tests are summarized by region in tables 13 through 20. Katherine B. Burch, Research Associate, Department of Plant Pathology, made disease ratings at all locations. Disease onset on

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wheat was earlier in the southern and central locations than in previous years. At the time of mid-season ratings, incidence of leaf rust and powdery mildew was slightly higher than in 1999, while incidence of Septoria was little changed. In northern regions, stripe rust, not normally seen in Alabama and thought to have blown over from Arkansas, was observed in many entries. The viral disease barley yellow dwarf was higher throughout the state than in previous years on wheat, oats, barley, and triticale. Levels of Helminthosporium leaf spot on oats were slightly higher; however, incidence and severity of crown rust were mostly unchanged from previous years. Low levels of leaf rust and Septoria blotch were observed on triticale at most northern and southern locations. Spot blotch, net blotch, and Septoria blotch developed on barley at low levels.

DISCUSSION

Growing conditions and variety performance often vary among locations and years. The 1997-98 growing season was a mild, wet fall and winter with a dry spring. Neither the forage- nor the grain-only trials were planted at the Black Belt Research and Extension Center, Marion Junction, due to dry then wet conditions during planting season. In the 1998-99 growing season, planting was delayed at several locations due to dry soil conditions. The 1999-00 growing season had mild temperatures with a fairly dry spring. At Gulf Coast Research and Extension Center, Fairhope, planting was delayed due to dry soil conditions. Regional averages and multiple-year averages are given here to use as better indicators for performance comparison.

TABLE 1. LOCATION, PLANTING, AND HARVEST DATES FOR 1999-00 SMALL GRAIN TESTS

| Location | Date planted | Date harvested |
|---|--------------|----------------|
| Northern Alabama | | |
| Tennessee Valley Research and Extension Center (Belle Mina) | | |
| Small grain, forage only | October 12 | |
| Small grain, grain only | November 5 | June 12 |
| Sand Mountain Research and Extension Center (Crossville) | | |
| Small grain, forage only | October 15 | |
| Small grain, grain only | November 11 | June 13 |
| Central Alabama | | |
| Black Belt Research and Extension Center (Marion Junction) | | |
| Small grain, forage only | October 25 | |
| Small grain, grain only | October 25 | May 25 |
| E. V. Smith Res. Ctr., Plant Breeding Unit (Tallassee) | | |
| Small grain, forage only | October 19 | |
| Small grain, grain only | November 8 | May 16, 26 |
| Prattville Research Field (Prattville) | | |
| Small grain, forage only | October 19 | |
| Small grain, grain only | November 10 | June 2 |
| Southern Alabama | | |
| Monroeville Research Field (Monroeville) | | |
| Small grain, forage only | October 15 | |
| Small grain, grain only | November 8 | May 24 |
| Wiregrass Research and Extension Center (Headland) | | |
| Small grain, forage only | October 21 | |
| Small grain, grain only | November 9 | May 15 |
| Gulf Coast Research and Extension Center (Fairhope) | | |
| Small grain, forage only | October 19 | |
| Small grain, grain only | December 1 | May 18 |

TABLE 2. NORTH ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2000 average | | | |
|-----------------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | Grain only | | | Forage only | | | Lodg- ing pct. | Height in. | 1/10 headed date | Test wt. lb./bu. |
| | 2000 bu. | 2-yr. bu. | 3-yr. bu. | 2000 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Wheat | | | | | | | | | | |
| FFR 518 W | 88 | 80 | 78 | — | — | — | 0 | 34 | 4-13 | 57.8 |
| Northrup King 9663 | 92 | 82 | 76 | — | — | — | 0 | 38 | 4-17 | 59.9 |
| NK Coker 9704 | 84 | 78 | 76 | — | — | — | 0 | 34 | 4-17 | 59.2 |
| Roberts | 88 | 78 | 75 | 7,770 | 6,298 | 5,010 | 0 | 35 | 4-11 | 57.9 |
| Pioneer 2684 | 81 | 76 | 72 | — | — | — | 0 | 33 | 4-13 | 59.7 |
| Jackson | 76 | 71 | 71 | — | — | — | 0 | 33 | 4-21 | 59.6 |
| Pioneer 26R24 | 93 | — | — | — | — | — | — | — | — | 59.1 |
| AGS 2000 | 93 | 84 | — | — | — | — | 0 | 36 | 4-17 | 59.3 |
| VA96W15 | 91 | — | — | 8,717 | — | — | — | — | — | 58.0 |
| GA 901146E15 | 89 | — | — | — | — | — | — | — | — | 56.2 |
| GA 90524E35 | 89 | — | — | — | — | — | — | — | — | 56.4 |
| FFR 535 | 88 | — | — | — | — | — | — | — | — | 60.1 |
| FFR 522W | 87 | 78 | — | — | — | — | 0 | 34 | 4-19 | 59.9 |
| Northrup King Coker 9543 | 86 | — | — | — | — | — | — | — | — | 58.5 |
| USG 3209 | 86 | — | — | — | — | — | — | — | — | 58.4 |
| Pioneer XW682 | 84 | — | — | — | — | — | — | — | — | 58.4 |
| AR 494B-2-2 | 82 | — | — | 7,950 | — | — | — | — | — | 59.4 |
| Santee | 81 | — | — | — | — | — | — | — | — | 59.3 |
| AR 584A-3-1 | 78 | — | — | 7,817 | — | — | — | — | — | 57.2 |
| AR 656-5-1 | 78 | — | — | — | — | — | — | — | — | 57.9 |
| VA96W270 | 77 | — | — | 7,061 | — | — | — | — | — | 58.2 |
| USG 3709 | 77 | — | — | — | — | — | — | — | — | 56.6 |
| Test Mean | 85 | 78 | 75 | 7,863 | 6,298 | 5,010 | 0 | 34 | — | 58.5 |
| L.S.D. (.10) | 10 | 1 | 7 | 1,401 | 307 | 378 | — | — | — | — |
| C.V. (%) | 9 | 1 | 7 | 13 | 3 | 5 | — | — | — | — |
| Oats | | | | | | | | | | |
| Chapman | 141 | 116 | 104 | 6,790 | 5,800 | 4,734 | 7 | 36 | 4-19 | 33.9 |
| Harrison | 134 | 104 | 99 | 6,533 | 5,889 | 4,566 | 7 | 45 | 4-20 | 37.1 |
| Ga Mitchell | 118 | 96 | 96 | 6,353 | 5,795 | 4,575 | 8 | 38 | 4-22 | 37.6 |
| Horizon 314 | 148 | 125 | — | 7,128 | 6,087 | — | 5 | 41 | 4-22 | 35.4 |
| SC910337 | 122 | — | — | 7,359 | — | — | — | — | — | 39.8 |
| Test Mean | 133 | 110 | 99 | 6,833 | 5,893 | 4,625 | 6 | 40 | — | 36.7 |
| L.S.D. (.10) | 13 | 5 | 12 | 1,546 | 195 | 484 | — | — | — | — |
| C.V. (%) | 7 | 3 | 9 | 16 | 2 | 7 | — | — | — | — |
| Barley | | | | | | | | | | |
| Nomini | 97 | 85 | 86 | — | — | — | 2 | 35 | 4-12 | 44.8 |
| Starling | 99 | 87 | 86 | — | — | — | 1 | 34 | 4-17 | 43.5 |
| Callao | 85 | 80 | 85 | — | — | — | 15 | 27 | 4-12 | 43.9 |
| Test Mean | 94 | 84 | 85 | — | — | — | 6 | 32 | — | 44.0 |
| L.S.D. (.10) | 14 | 9 | 15 | — | — | — | — | — | — | — |
| C.V. (%) | 10 | 7 | 12 | — | — | — | — | — | — | — |

continued

TABLE 2, CONTINUED. NORTH ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2000 average | | | |
|---------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | Grain only | | | Forage only | | | Lodg- ing pct. | Height in. | 1/10 headed date | Test wt. lb./bu. |
| | 2000 bu. | 2-yr. bu. | 3-yr. bu. | 2000 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Rye | | | | | | | | | | |
| Oklon | — | — | — | 9,551 | 7,599 | 6,104 | — | — | — | — |
| Wintergrazer 70 | — | — | — | 9,806 | 7,190 | 5,894 | — | — | — | — |
| Wren's 96 | — | — | — | 9,674 | 7,176 | 5,760 | — | — | — | — |
| Bates | — | — | — | 9,003 | 7,111 | 5,753 | — | — | — | — |
| Maton | — | — | — | 8,385 | 6,988 | 5,748 | — | — | — | — |
| Elbon | — | — | — | 7,613 | 6,442 | 5,357 | — | — | — | — |
| Wren's Abruzzi AL | — | — | — | 8,441 | 6,420 | 5,132 | — | — | — | — |
| SS Early Graze | — | — | — | 9,184 | 6,915 | — | — | — | — | — |
| SPI Rye | — | — | — | 8,288 | — | — | — | — | — | — |
| Wheeler | — | — | — | 7,478 | 6,605 | — | — | — | — | — |
| Test Mean | — | — | — | 8,742 | 6,938 | 5,678 | — | — | — | — |
| L.S.D. (.10) | — | — | — | 2,657 | 127 | 493 | — | — | — | — |
| C.V. (%) | — | — | — | 22 | 1 | 6 | — | — | — | — |
| Triticale | | | | | | | | | | |
| Trical 498 | 94 | 92 | 87 | 6,096 | — | — | 0 | 41 | 4-9 | 50.6 |
| Trical 2700 | — | — | — | 8,088 | 6,876 | 5,609 | — | — | — | — |
| Test Mean | 94 | 92 | 87 | 7,092 | 6,876 | 5,609 | 0 | 41 | — | 50.6 |
| L.S.D. (.10) | — | — | — | 2,490 | 506 | — | — | — | — | — |
| C.V. (%) | — | — | — | 22 | 4 | — | — | — | — | — |

TABLE 3. TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, BELLE MINA

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|--------------------------|-----------------------|--------------------|------------------|------------------------|------------------|
| | 2000 bu. | Test wt. lb./bu | 3-yr. av. bu. | 2000 lb. | 3-yr. av. lb. |
| Wheat | | | | | |
| AGS 2000 | 98 | 60.1 | — | — | — |
| Roberts | 96 | 59.0 | 81 | 6,204 | 5,104 |
| FFR 518 W | 96 | 58.4 | 82 | — | — |
| GA 90524E35 | 95 | 57.0 | — | — | — |
| VA96W-158 | 95 | 58.0 | — | 5,676 | — |
| GA 901146E15 | 94 | 57.4 | — | — | — |
| Pioneer 26R24 | 94 | 59.5 | — | — | — |
| FFR 522W | 93 | 59.7 | — | — | — |
| Northrup King 9663 | 93 | 59.9 | 78 | — | — |
| Northrup King Coker 9543 | 90 | 57.9 | — | — | — |
| NK Coker 9704 | 88 | 60.2 | 80 | — | — |
| USG3209 | 87 | 59.0 | — | — | — |
| FFR 535 | 86 | 60.5 | — | — | — |
| Pioneer 2684 | 86 | 59.2 | 76 | — | — |
| Pioneer XW682 | 85 | 60.0 | — | — | — |
| AR 584A-3-1 | 83 | 57.8 | — | 6,495 | — |
| Santee | 82 | 59.1 | — | — | — |
| AR 494B-2-2 | 82 | 59.6 | — | 6,176 | — |

continued

**TABLE 3, CONTINUED. TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL,
BELLE MINA**

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|----------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat, cont'd | | | | | |
| USG3709 | 77 | 58.4 | — | — | — |
| AR 656-5-1 | 77 | 58.9 | — | — | — |
| Jackson | 77 | 60.0 | 74 | — | — |
| VA96W-270 | 71 | 58.8 | — | 5,789 | — |
| Test Mean | 88 | 59.0 | 79 | 6,068 | 5,104 |
| L.S.D. (.10) | 10 | — | — | 470 | — |
| C.V. (%) | 8 | — | — | 5 | — |
| Oats | | | | | |
| Horizon 314 | 143 | 34.7 | — | 6,353 | — |
| Chapman | 139 | 33.6 | 112 | 6,085 | 5,561 |
| Harrison | 136 | 37.8 | 101 | 6,173 | 5,639 |
| SC 910337 | 129 | 40.1 | — | 6,449 | — |
| Ga Mitchell | 104 | 37.8 | 104 | 5,895 | 5,445 |
| Test Mean | 130 | 36.8 | 105 | 6,191 | 5,548 |
| L.S.D. (.10) | 10 | — | — | 801 | — |
| C.V. (%) | 5 | — | — | 9 | — |
| Barley | | | | | |
| Starling | 99 | 44.3 | 91 | — | — |
| Nomini | 97 | 46.3 | 88 | — | — |
| Callao | 87 | 44.0 | 88 | — | — |
| Test Mean | 94 | 44.9 | 89 | — | — |
| L.S.D. (.10) | 12 | — | — | — | — |
| C.V. (%) | 5 | — | — | — | — |
| Rye | | | | | |
| Oklon | — | — | — | 8,771 | 6,524 |
| Wheeler | — | — | — | 7,861 | — |
| Maton | — | — | — | 7,831 | 6,316 |
| Elbon | — | — | — | 7,582 | 6,026 |
| Bates | — | — | — | 7,434 | 5,857 |
| SPI Rye | — | — | — | 7,419 | — |
| Wren's 96 | — | — | — | 7,201 | 5,545 |
| SS Early Graze | — | — | — | 6,837 | — |
| Wintergrazer 70 | — | — | — | 6,781 | 5,469 |
| Wren's Abruzzi AL | — | — | — | 6,370 | 5,034 |
| Test Mean | — | — | — | 7,409 | 5,825 |
| L.S.D. (.10) | — | — | — | 787 | — |
| C.V. (%) | — | — | — | 8 | — |
| Triticale | | | | | |
| Trical 498 | 78 | 52.2 | 88 | 5,142 | — |
| Trical 2700 | — | — | — | 7,184 | 6,314 |
| Test Mean | 78 | 52.2 | 88 | 6,163 | 6,314 |
| L.S.D. (.10) | — | — | — | 1,115 | — |
| C.V. (%) | — | — | — | 8 | — |

TABLE 4. SAND MOUNTAIN RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, CROSSVILLE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre ¹ | |
|--------------------------|-----------------------|---------------------------|-------------------------|-------------------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| Pioneer 26R24 | 92 | 58.6 | — | — | — |
| Northrup King 9663 | 90 | 59.9 | 75 | — | — |
| FFR 535 | 89 | 59.7 | — | — | — |
| AGS 2000 | 88 | 58.4 | — | — | — |
| VA96W-158 | 87 | 57.9 | — | 5,162 | — |
| USG 3209 | 85 | 57.8 | — | — | — |
| GA 901146E15 | 85 | 55.0 | — | — | — |
| VA96W-270 | 83 | 57.5 | — | 4,524 | — |
| Northrup King Coker 9543 | 83 | 59.1 | — | — | — |
| AR 494B-2-2 | 82 | 59.2 | — | 4,637 | — |
| GA 90524E35 | 82 | 55.7 | — | — | — |
| Pioneer XW682 | 82 | 56.7 | — | — | — |
| FFR 522W | 81 | 60.1 | — | — | — |
| NK Coker 9704 | 81 | 58.2 | 71 | — | — |
| FFR 518 W | 80 | 57.2 | 74 | — | — |
| Santee | 80 | 59.4 | — | — | — |
| Roberts | 80 | 56.8 | 68 | 4,797 | — |
| AR 656-5-1 | 78 | 56.9 | — | — | — |
| USG 3709 | 76 | 54.7 | — | — | — |
| Pioneer 2684 | 75 | 60.2 | 67 | — | — |
| Jackson | 74 | 59.2 | 68 | — | — |
| AR 584A-3-1 | 74 | 56.6 | — | 5,020 | — |
| Test Mean | 82 | 57.9 | 71 | 4,828 | — |
| L.S.D. (.10) | 10 | — | — | 835 | — |
| C.V. (%) | 9 | — | — | 11 | — |
| Oats | | | | | |
| Horizon 314 | 153 | 36.1 | — | 4,338 | — |
| Chapman | 143 | 34.2 | 97 | 3,850 | — |
| Harrison | 132 | 36.3 | 96 | 3,596 | — |
| Ga Mitchell | 131 | 37.4 | 89 | 3,400 | — |
| SC 910337 | 115 | 39.4 | — | 3,929 | — |
| Test Mean | 135 | 36.7 | 94 | 3,822 | — |
| L.S.D. (.10) | 17 | — | — | 610 | — |
| C.V. (%) | 8 | — | — | 11 | — |
| Barley | | | | | |
| Starling | 99 | 42.6 | 80 | — | — |
| Nomini | 97 | 43.2 | 82 | — | — |
| Callao | 83 | 43.8 | 82 | — | — |
| Test Mean | 93 | 43.2 | 81 | — | — |
| L.S.D. (.10) | 18 | — | — | — | — |
| C.V. (%) | 11 | — | — | — | — |

continued

TABLE 4, CONTINUED. SAND MOUNTAIN RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL,
CROSSVILLE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|---------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Rye | | | | | |
| Bates | — | — | — | 6,307 | — |
| SPI Rye | — | — | — | 6,182 | — |
| Oklon | — | — | — | 5,829 | — |
| Maton | — | — | — | 5,700 | — |
| Wintergrazer 70 | — | — | — | 5,654 | — |
| Elbon | — | — | — | 5,188 | — |
| SS Early Graze | — | — | — | 5,161 | — |
| Wheeler | — | — | — | 4,886 | — |
| Wren's 96 | — | — | — | 4,648 | — |
| Wren's Abruzzi AL | — | — | — | 4,607 | — |
| Test Mean | — | — | — | 5,416 | — |
| L.S.D. (.10) | — | — | — | 1,493 | — |
| C.V. (%) | — | — | — | 19 | — |
| Triticale | | | | | |
| Trical 498 | 110 | 49.0 | 87 | 3,850 | — |
| Trical 2700 | — | — | — | 4,460 | — |
| Test Mean | 110 | 49.0 | 87 | 4,155 | — |
| L.S.D. (.10) | — | — | — | 1,484 | — |
| C.V. (%) | — | — | — | 15 | — |

TABLE 5. CENTRAL ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2000 average | | | |
|---------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | Grain only | | | Forage only | | | Lodg- ing pct. | Height in. | 1/10 headed date | Test wt. lb./bu. |
| | 2000 bu. | 2-yr. bu. | 3-yr. bu. | 2000 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Wheat | | | | | | | | | | |
| Roberts | 69 | 63 | 63 | 4,364 | 5,027 | 4,650 | 0 | 35 | 4-6 | 58.7 |
| FFR 518 W | 58 | 57 | 59 | — | — | — | 0 | 34 | 4-4 | 57.5 |
| Pioneer 2684 | 57 | 56 | 58 | — | — | — | 0 | 35 | 4-3 | 61.2 |
| Pioneer 2691 | 53 | 52 | 50 | — | — | — | 0 | 33 | 3-31 | 58.7 |
| Jackson | 46 | 40 | 48 | — | — | — | 0 | 35 | 4-14 | 56.0 |
| Fleming | 49 | 47 | 48 | — | — | — | 0 | 33 | 3-27 | 60.9 |
| AGS 2000 | 68 | 63 | — | — | — | — | 0 | 36 | 4-5 | 61.2 |
| Pioneer 26R24 | 68 | — | — | — | — | — | — | — | — | 59.4 |
| VA96W-158 | 66 | — | — | 3,884 | — | — | — | — | — | 58.3 |
| Pioneer XW682 | 64 | — | — | — | — | — | — | — | — | 60.3 |
| VA96W-270 | 61 | — | — | 3,847 | — | — | — | — | — | 58.5 |
| GA 901146E15 | 60 | — | — | — | — | — | — | — | — | 58.7 |
| FFR 502W | 59 | 54 | — | — | — | — | 0 | 34 | 4-15 | 8.0 |
| GA 90524E35 | 58 | — | — | — | — | — | — | — | — | 57.3 |
| Pioneer 26R61 | 56 | — | — | — | — | — | — | — | — | 60.5 |
| AR 494B-2-2 | 55 | — | — | 4,059 | — | — | — | — | — | 57.4 |
| FFR 535 | 53 | — | — | — | — | — | — | — | — | 58.1 |
| FFR 522W | 52 | 45 | — | — | — | — | 0 | 34 | 4-12 | 59.6 |
| AR 584A-3-1 | 51 | — | — | 4,719 | — | — | — | — | — | 58.5 |
| AR 65651 | 49 | — | — | — | — | — | — | — | — | 56.5 |
| Test Mean | 58 | 53 | 54 | 4,175 | 5,027 | 4,650 | 0 | 34 | — | 58.7 |
| L.S.D. (.10) | 8 | 1 | 9 | 723 | 604 | 769 | — | — | — | — |
| C.V. (%) | 10 | 2 | 12 | 12 | 8 | 12 | — | — | — | — |
| Oats | | | | | | | | | | |
| Chapman | 80 | 73 | 79 | 3,746 | 4,704 | 4,144 | 4 | 36 | 4-4 | 32.1 |
| Harrison | 59 | 65 | 74 | 4,677 | 5,262 | 4,468 | 1 | 44 | 4-7 | 35.1 |
| Ga Mitchell | 34 | 52 | 67 | 4,467 | 4,726 | 4,066 | 3 | 36 | 4-10 | 34.0 |
| Secretariat LA495 | 89 | — | — | 3,932 | — | — | — | — | — | 33.0 |
| Horizon 314 | 77 | 77 | — | 4,461 | 4,857 | — | 2 | 40 | 4-13 | 34.0 |
| SC 910337 | 62 | — | — | 3,996 | — | — | — | — | — | 36.9 |
| Test Mean | 67 | 67 | 74 | 4,213 | 4,887 | 4,226 | 2 | 39 | — | 34.1 |
| L.S.D. (.10) | 13 | 3 | 17 | 1,354 | 349 | 638 | — | — | — | — |
| C.V. (%) | 14 | 3 | 17 | 23 | 5 | 11 | — | — | — | — |
| Rye | | | | | | | | | | |
| Elbon | — | — | — | 4,347 | 5,312 | 4,693 | — | — | — | — |
| Oklon | — | — | — | 4,460 | 4,928 | 4,463 | — | — | — | — |
| Bates | — | — | — | 4,172 | 4,743 | 4,417 | — | — | — | — |
| Wintergrazer 70 | — | — | — | 4,200 | 4,749 | 4,384 | — | — | — | — |
| Wren's 96 | — | — | — | 3,898 | 4,620 | 4,383 | — | — | — | — |
| Maton | — | — | — | 4,436 | 4,641 | 4,132 | — | — | — | — |
| Wren's Abruzzi AL | — | — | — | 3,552 | 4,094 | 4,000 | — | — | — | — |
| SS Early Graze | — | — | — | 4,489 | 4,910 | — | — | — | — | — |
| Wheeler | — | — | — | 4,289 | 4,518 | — | — | — | — | — |
| SPI Rye | — | — | — | 4,200 | — | — | — | — | — | — |
| Test Mean | — | — | — | 4,204 | 4,724 | 4,353 | — | — | — | — |
| L.S.D. (.10) | — | — | — | 979 | 347 | 854 | — | — | — | — |
| C.V. (%) | — | — | — | 17 | 5 | 14 | — | — | — | — |
| Triticale | | | | | | | | | | |
| Trical 498 | 54 | 52 | 53 | 2,641 | — | — | 0 | 37 | 3-22 | 51.2 |
| Trical 2700 | — | — | — | 3,820 | 4,154 | 3,831 | — | — | — | — |
| Test Mean | 54 | 52 | 53 | 3,231 | 4,154 | 3,831 | 0 | 37 | — | 51.2 |
| L.S.D. (.10) | — | — | — | 361 | 887 | — | — | — | — | — |
| C.V. (%) | — | — | — | 7 | 13 | — | — | — | — | — |

TABLE 6. BLACK BELT RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, MARION JUNCTION

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|---------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| AGS 2000 | 68 | — | — | — | — |
| Pioneer 26R24 | 66 | — | — | — | — |
| Roberts | 66 | — | — | 3,414 | — |
| VA96W-158 | 64 | — | — | 3,166 | — |
| Pioneer XW682 | 61 | — | — | — | — |
| GA 901146E15 | 60 | — | — | — | — |
| AR 494B-2-2 | 59 | — | — | 3,050 | — |
| FFR 502W | 57 | — | — | — | — |
| VA96W-270 | 56 | — | — | 3,013 | — |
| AR 656-5-1 | 55 | — | — | — | — |
| FFR 518 W | 55 | — | — | — | — |
| GA 90524E35 | 54 | — | — | — | — |
| FFR 535 | 52 | — | — | — | — |
| FFR 522W | 52 | — | — | — | — |
| Pioneer 26R61 | 51 | — | — | — | — |
| AR 584A-3-1 | 51 | — | — | 3,562 | — |
| Jackson | 51 | — | — | — | — |
| Pioneer 2684 | 49 | — | — | — | — |
| Pioneer 2691 | 48 | — | — | — | — |
| Fleming | 43 | — | — | — | — |
| Test Mean | 56 | — | — | 3,241 | — |
| L.S.D. (.10) | 6 | — | — | 154 | — |
| C.V. (%) | 8 | — | — | 3 | — |
| Oats | | | | | |
| Secretariat LA 495 | 91 | — | — | 3,478 | — |
| Horizon 314 | 88 | — | — | 3,610 | — |
| Chapman | 83 | — | — | 3,254 | — |
| SC 910337 | 64 | — | — | 3,545 | — |
| Harrison | 54 | — | — | 3,695 | — |
| Ga Mitchell | 41 | — | — | 3,209 | — |
| Test Mean | 70 | — | — | 3,465 | — |
| L.S.D. (.10) | 10 | — | — | 259 | — |
| C.V. (%) | 10 | — | — | 5 | — |
| Rye | | | | | |
| Maton | — | — | — | 3,317 | — |
| Elbon | — | — | — | 3,220 | — |
| SPI Rye | — | — | — | 3,085 | — |
| Oklon | — | — | — | 3,072 | — |
| SS Early Graze | — | — | — | 2,944 | — |
| Wintergrazer 70 | — | — | — | 2,867 | — |
| Wheeler | — | — | — | 2,852 | — |
| Bates | — | — | — | 2,822 | — |
| Wren's 96 | — | — | — | 2,687 | — |
| Wren's Abruzzi AL | — | — | — | 2,550 | — |
| Test Mean | — | — | — | 2,942 | — |
| L.S.D. (.10) | — | — | — | 155 | — |
| C.V. (%) | — | — | — | 4 | — |
| Triticale | | | | | |
| Trical 498 | 53 | — | — | 2,449 | — |
| Trical 2700 | — | — | — | 2,945 | — |
| Test Mean | 53 | — | — | 2,697 | — |
| L.S.D. (.10) | — | — | — | 337 | — |
| C.V. (%) | — | — | — | 5 | — |

TABLE 7. PRATTVILLE RESEARCH FIELD SMALL GRAIN TRIAL, PRATTVILLE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|---------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| Pioneer 26R24 | 68 | 59.1 | — | — | — |
| GA 90524E35 | 66 | 56.5 | — | — | — |
| AGS 2000 | 64 | 61.0 | — | — | — |
| VA96W-270 | 62 | 58.9 | — | 3,503 | — |
| Pioneer 2684 | 62 | 61.2 | 63 | — | — |
| GA 901146E15 | 62 | 58.5 | — | — | — |
| VA96W-158 | 61 | 58.7 | — | 3,558 | — |
| Pioneer XW682 | 60 | 60.3 | — | — | — |
| Roberts | 58 | 58.8 | 62 | 3,996 | 4,932 |
| Pioneer 2691 | 57 | 59.1 | 52 | — | — |
| FFR 518 W | 55 | 58.4 | 61 | — | — |
| FFR 502W | 54 | 58.8 | — | — | — |
| AR 494B-2-2 | 50 | 57.6 | — | 3,851 | — |
| Pioneer 26R61 | 49 | 60.4 | — | — | — |
| AR 656-5-1 | 49 | 57.9 | — | — | — |
| Fleming | 47 | 61.6 | 48 | — | — |
| FFR 535 | 47 | 58.5 | — | — | — |
| Jackson | 45 | 57.7 | 47 | — | — |
| FFR 522W | 45 | 59.0 | — | — | — |
| AR 584A-3-1 | 42 | 57.8 | — | 4,299 | — |
| Test Mean | 55 | 59.0 | 55 | 3,841 | 4,932 |
| L.S.D. (.10) | 7 | — | — | 594 | — |
| C.V. (%) | 9 | — | — | 10 | — |
| Oats | | | | | |
| Secretariat LA 495 | 72 | 32.7 | — | 3,907 | — |
| Horizon 314 | 63 | 33.0 | — | 4,489 | — |
| Chapman | 62 | 33.1 | 79 | 3,839 | 4,238 |
| Harrison | 52 | 35.3 | 76 | 4,194 | 4,395 |
| SC 910337 | 46 | 37.4 | — | 4,067 | — |
| Ga Mitchell | 20 | 35.5 | 68 | 3,424 | 3,938 |
| Test Mean | 52 | 34.5 | 74 | 3,987 | 4,190 |
| L.S.D. (.10) | 16 | — | — | 593 | — |
| C.V. (%) | 20 | — | — | 10 | — |
| Rye | | | | | |
| Oklon | — | — | — | 4,310 | 4,691 |
| Elbon | — | — | — | 4,201 | 4,674 |
| Wintergrazer 70 | — | — | — | 4,113 | 4,704 |
| Maton | — | — | — | 4,076 | 4,543 |
| Bates | — | — | — | 4,059 | 5,074 |
| SPI Rye | — | — | — | 3,986 | — |
| SS Early Graze | — | — | — | 3,961 | — |
| Wheeler | — | — | — | 3,906 | — |
| Wren's 96 | — | — | — | 3,771 | 4,500 |
| Wren's Abruzzi AL | — | — | — | 3,196 | 4,210 |
| Test Mean | — | — | — | 3,958 | 4,628 |
| L.S.D. (.10) | — | — | — | 450 | — |
| C.V. (%) | — | — | — | 8 | — |
| Triticale | | | | | |
| Trical 498 | 49 | 51.9 | 56 | 1,792 | — |
| Trical 2700 | — | — | — | 3,802 | 4,046 |
| Test Mean | 49 | 51.9 | 56 | 2,797 | 4,046 |
| L.S.D. (.10) | — | — | — | 682 | — |
| C.V. (%) | — | — | — | 10 | — |

TABLE 8. E.V. SMITH RES. CTR. SMALL GRAIN TRIAL, PLANT BREEDING UNIT, TALLASSEE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|---------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| Roberts | 82 | 58.5 | 66 | 5,682 | 4,906 |
| VA96W-158 | 74 | 57.8 | — | 4,928 | — |
| AGS 2000 | 72 | 61.3 | — | — | — |
| Pioneer XW682 | 71 | 60.2 | — | — | — |
| Pioneer 26R24 | 70 | 59.6 | — | — | — |
| Pioneer 26R61 | 67 | 60.6 | — | — | — |
| FFR 502W | 65 | 57.2 | — | — | — |
| VA96W-270 | 65 | 58.1 | — | 5,026 | — |
| FFR 518 W | 63 | 56.5 | 63 | — | — |
| AR 584A-3-1 | 61 | 59.1 | — | 6,295 | — |
| Pioneer 2684 | 60 | 61.1 | 60 | — | — |
| FFR 535 | 59 | 57.7 | — | — | — |
| FFR 522W | 59 | 60.1 | — | — | — |
| Fleming | 59 | 60.1 | 51 | — | — |
| GA 901146E15 | 57 | 58.8 | — | — | — |
| AR 494B-2-2 | 57 | 57.2 | — | 5,275 | — |
| Pioneer 2691 | 56 | 58.2 | 50 | — | — |
| GA 90524E35 | 54 | 58.0 | — | — | — |
| AR 656-5-1 | 41 | 55.1 | — | — | — |
| Jackson | 41 | 54.3 | 49 | — | — |
| Test Mean | 62 | 58.5 | 57 | 5,441 | 4,906 |
| L.S.D. (.10) | 11 | — | — | 1,215 | — |
| C.V. (%) | 13 | — | — | 15 | — |
| Oats | | | | | |
| Secretariat LA 495 | 104 | 33.2 | — | 4,412 | — |
| Chapman | 94 | 31.1 | 85 | 4,145 | 3,820 |
| Horizon 314 | 82 | 34.9 | — | 5,285 | — |
| SC 910337 | 76 | 36.3 | — | 4,377 | — |
| Harrison | 71 | 34.8 | 76 | 6,143 | 4,911 |
| Ga Mitchell | 40 | 32.4 | 72 | 6,767 | 4,576 |
| Test Mean | 78 | 33.8 | 78 | 5,188 | 4,436 |
| L.S.D. (.10) | 15 | — | — | 2,419 | — |
| C.V. (%) | 13 | — | — | 32 | — |
| Rye | | | | | |
| SS Early Graze | — | — | — | 6,563 | — |
| Wheeler | — | — | — | 6,110 | — |
| Oklon | — | — | — | 5,999 | 5,166 |
| Maton | — | — | — | 5,915 | 4,404 |
| Bates | — | — | — | 5,634 | 4,660 |
| Elbon | — | — | — | 5,621 | 5,684 |
| Wintergrazer 70 | — | — | — | 5,619 | 5,076 |
| SPI Rye | — | — | — | 5,530 | — |
| Wren's 96 | — | — | — | 5,237 | 5,269 |
| Wren's Abruzzi AL | — | — | — | 4,911 | 4,357 |
| Test Mean | — | — | — | 5,714 | 4,945 |
| L.S.D. (.10) | — | — | — | 1,690 | — |
| C.V. (%) | — | — | — | 21 | — |
| Triticale | | | | | |
| Trical 498 | 59 | 50.5 | 59 | 3,682 | — |
| Trical 2700 | — | — | — | 4,713 | 4,023 |
| Test Mean | 59 | 50.5 | 59 | 4,197 | 4,023 |
| L.S.D. (.10) | — | — | — | 549 | — |
| C.V. (%) | — | — | — | 5 | — |

TABLE 9. SOUTH ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2000 average | | | |
|---------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | Grain only | | | Forage only | | | Lodg- ing pct. | Height in. | 1/10 headed date | Test wt. lb./bu. |
| | 2000 bu. | 2-yr. bu. | 3-yr. bu. | 2000 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Wheat | | | | | | | | | | |
| Pioneer 2691 | 77 | 68 | 66 | — | — | — | 21 | 34 | 3-16 | 56.9 |
| FFR 518 W | 82 | 70 | 65 | — | — | — | 38 | 37 | 3-22 | 57.2 |
| Pioneer 2684 | 72 | 63 | 65 | — | — | — | 2 | 36 | 3-25 | 59.1 |
| Fleming | 79 | 69 | 65 | — | — | — | 2 | 33 | 3-8 | 60.1 |
| Northrup King | | | | | | | | | | |
| Coker 9835 | 67 | 64 | 64 | — | — | — | 13 | 32 | 3-25 | 53.0 |
| Northrup King 9663 | 65 | 59 | 61 | — | — | — | 23 | 39 | 3-25 | 58.9 |
| Roberts | 48 | 44 | 51 | 4,765 | 5,576 | 5,614 | 4 | 34 | 4-4 | 53.6 |
| Jackson | 46 | 39 | 44 | — | — | — | 3 | 34 | 4-8 | 56.4 |
| AGS 2000 | 84 | 74 | — | — | — | — | 11 | 37 | 3-25 | 59.9 |
| GA 90524E35 | 77 | — | — | — | — | — | — | — | — | 56.0 |
| FFR 502W | 77 | 67 | — | — | — | — | 18 | 36 | 3-19 | 59.6 |
| Pioneer 26R61 | 76 | — | — | — | — | — | — | — | — | 59.7 |
| GA 901146E15 | 68 | — | — | — | — | — | — | — | — | 55.6 |
| VA96W-270 | 63 | — | — | 5,102 | — | — | — | — | — | 55.7 |
| VA96W-158 | 51 | — | — | 4,891 | — | — | — | — | — | 54.9 |
| SR 204 | 40 | 34 | — | — | — | — | 3 | 31 | 4-12 | 58.4 |
| SR 218 | 39 | — | — | — | — | — | — | — | — | 54.6 |
| Test Mean | 65 | 59 | 60 | 4,919 | 5,576 | 5,614 | 13 | 35 | — | 57.0 |
| L.S.D. (.10) | 9 | 1 | 8 | 374 | 501 | 773 | — | — | — | — |
| C.V. (%) | 10 | 1 | 9 | 5 | 6 | 10 | — | — | — | — |
| Oats | | | | | | | | | | |
| Harrison | 84 | 77 | 77 | 5,232 | 6,181 | 6,115 | 58 | 46 | 3-28 | 30.4 |
| Chapman | 77 | 69 | 72 | 4,884 | 5,616 | 5,741 | 55 | 37 | 3-26 | 27.5 |
| Ga Mitchell | 46 | 59 | 63 | 5,088 | 5,883 | 5,815 | 41 | 34 | 3-30 | 29.6 |
| SC 910337 | 95 | — | — | 5,245 | — | — | — | — | — | 34.2 |
| Horizon 314 | 93 | 89 | — | 5,148 | 6,650 | — | 50 | 40 | 4-3 | 31.9 |
| Secretariat LA 495 | — | — | — | 5,458 | 6,306 | — | 46 | 41 | 3-30 | — |
| Test Mean | 79 | 74 | 71 | 5,176 | 6,127 | 5,890 | 50 | 40 | — | 30.7 |
| L.S.D. (.10) | 21 | 4 | 9 | 413 | 217 | 1,119 | — | — | — | — |
| C.V. (%) | 19 | 4 | 9 | 6 | 3 | 13 | — | — | — | — |
| Rye | | | | | | | | | | |
| Bates | — | — | — | 5,948 | 6,896 | 6,763 | — | — | — | — |
| Wren's 96 | — | — | — | 6,585 | 7,129 | 6,650 | — | — | — | — |
| Maton | — | — | — | 6,174 | 6,819 | 6,604 | — | — | — | — |
| Wintergrazer 70 | — | — | — | 6,154 | 6,777 | 6,529 | — | — | — | — |
| Oklon | — | — | — | 5,741 | 6,723 | 6,451 | — | — | — | — |
| Elbon | — | — | — | 5,653 | 6,632 | 6,251 | — | — | — | — |
| Wren's Abruzzi AL | — | — | — | 5,565 | 6,155 | 5,887 | — | — | — | — |
| SPI Rye | — | — | — | 6,117 | — | — | — | — | — | — |
| SS Early Graze | — | — | — | 5,839 | 6,537 | — | — | — | — | — |
| Wheeler | — | — | — | 5,445 | 5,727 | — | — | — | — | — |
| Test Mean | — | — | — | 5,922 | 6,599 | 6,448 | — | — | — | — |
| L.S.D. (.10) | — | — | — | 850 | 206 | 664 | — | — | — | — |
| C.V. (%) | — | — | — | 11 | 2 | 8 | — | — | — | — |
| Triticale | | | | | | | | | | |
| Trical 498 | 101 | 82 | 70 | 3,976 | — | — | 3 | 40 | 2-26 | 51.5 |
| Trical 2700 | — | — | — | 5,233 | 5,708 | 5,949 | — | — | — | — |
| Test Mean | 101 | 82 | 70 | 4,605 | 5,708 | 5,949 | 3 | 40 | — | 51.5 |
| L.S.D. (.10) | — | — | — | 533 | 694 | — | — | — | — | — |
| C.V. (%) | — | — | — | 7 | 8 | — | — | — | — | — |

TABLE 10. MONROEVILLE RESEARCH FIELD SMALL GRAIN TRIAL, MONROEVILLE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|--------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| AGS 2000 | 109 | 60.2 | — | — | — |
| FFR 502W | 108 | 60.5 | — | — | — |
| Pioneer 2684 | 104 | 59.7 | 89 | — | — |
| Pioneer 26R61 | 102 | 58.3 | — | — | — |
| Pioneer 2691 | 102 | 57.3 | 89 | — | — |
| GA 901146E15 | 97 | 58.0 | — | — | — |
| Fleming | 97 | 59.9 | 83 | — | — |
| VA96W-270 | 92 | 57.3 | — | 4,945 | — |
| Northrup King Coker 9835 | 92 | 54.7 | 86 | — | — |
| FFR 518 W | 91 | 60.8 | 81 | — | — |
| GA 90524E35 | 83 | 55.6 | — | — | — |
| Jackson | 82 | 59.6 | 71 | — | — |
| VA96W-158 | 73 | 58.7 | — | 5,387 | — |
| Roberts | 71 | 56.5 | 71 | 4,762 | 4,186 |
| SR 204 | 71 | 59.4 | — | — | — |
| Northrup King 9663 | 68 | 57.2 | 76 | — | — |
| SR 218 | 67 | 55.0 | — | — | — |
| Test Mean | 89 | 58.2 | 81 | 5,031 | 4,186 |
| L.S.D. (.10) | 13 | — | — | 454 | — |
| C.V. (%) | 11 | — | — | 5 | — |
| Oats | | | | | |
| Harrison | 107 | 35.6 | 104 | 4,531 | 3,789 |
| Chapman | 95 | 33.2 | 94 | 4,527 | 4,060 |
| SC 910337 | 93 | 38.1 | — | 4,536 | — |
| Horizon 314 | 63 | 33.4 | — | 4,678 | — |
| Ga Mitchell | 28 | 35.5 | 81 | 4,694 | 4,125 |
| Secretariat LA 495 | — | — | — | 4,585 | — |
| Test Mean | 77 | 35.2 | 93 | 4,592 | 3,992 |
| L.S.D. (.10) | 24 | — | — | 420 | — |
| C.V. (%) | 21 | — | — | 6 | — |
| Rye | | | | | |
| Wren's 96 | — | — | — | 5,956 | 5,210 |
| SS Early Graze | — | — | — | 5,646 | — |
| SPI Rye | — | — | — | 5,454 | — |
| Wintergrazer 70 | — | — | — | 5,448 | 4,719 |
| Bates | — | — | — | 5,307 | 4,697 |
| Wren's Abruzzi AL | — | — | — | 5,251 | 4,549 |
| Elbon | — | — | — | 5,119 | 4,416 |
| Maton | — | — | — | 5,115 | 4,190 |
| Wheeler | — | — | — | 5,011 | — |
| Oklon | — | — | — | 4,889 | 4,503 |
| Test Mean | — | — | — | 5,320 | 4,612 |
| L.S.D. (.10) | — | — | — | 584 | — |
| C.V. (%) | — | — | — | 8 | — |
| Triticale | | | | | |
| Trical 498 | 132 | 50.4 | 97 | 4,288 | — |
| Trical 2700 | — | — | — | 5,238 | 4,124 |
| Test Mean | 132 | 50.4 | 97 | 4,763 | 4,124 |
| L.S.D. (.10) | — | — | — | 215 | — |
| C.V. (%) | — | — | — | 2 | — |

TABLE 11. WIREGRASS RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, HEADLAND

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|--------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| FFR 518 W | 79 | 52.5 | 60 | — | — |
| AGS 2000 | 76 | 59.3 | — | — | — |
| Fleming | 75 | 60.6 | 66 | — | — |
| GA 90524E35 | 73 | 55.2 | — | — | — |
| Pioneer 26R61 | 69 | 60.0 | — | — | — |
| Pioneer 2691 | 67 | 56.3 | 57 | — | — |
| FFR 502W | 62 | 58.5 | — | — | — |
| Northrup King Coker 9835 | 61 | 52.4 | 54 | — | — |
| Pioneer 2684 | 61 | 58.4 | 55 | — | — |
| GA 901146E15 | 59 | 53.9 | — | — | — |
| VA96W-270 | 59 | 54.2 | — | 5,597 | — |
| Northrup King 9663 | 58 | 59.0 | 51 | — | — |
| VA96W-158 | 57 | 54.2 | — | 5,468 | — |
| Roberts | 56 | 50.8 | 49 | 5,358 | 7,166 |
| SR 204 | 43 | 57.4 | — | — | — |
| Jackson | 41 | 55.1 | 34 | — | — |
| SR 218 | 41 | 54.1 | — | — | — |
| Test Mean | 61 | 56.0 | 53 | 5,474 | 7,166 |
| L.S.D. (.10) | 7 | — | — | 602 | — |
| C.V. (%) | 8 | — | — | 6 | — |
| Oats | | | | | |
| SC 910337 | 109 | 33.5 | — | 5,660 | — |
| Horizon 314 | 103 | 31.1 | — | 5,466 | — |
| Harrison | 96 | 31.9 | 73 | 5,258 | 7,588 |
| Ga Mitchell | 87 | 31.4 | 75 | 5,318 | 7,247 |
| Chapman | 86 | 29.4 | 72 | 5,163 | 7,362 |
| Secretariat LA 495 | — | — | — | 6,123 | — |
| Test Mean | 96 | 31.5 | 73 | 5,498 | 7,399 |
| L.S.D. (.10) | 20 | — | — | 533 | — |
| C.V. (%) | 14 | — | — | 7 | — |
| Rye | | | | | |
| Wren's 96 | — | — | — | 8,001 | 8,726 |
| Maton | — | — | — | 7,725 | 9,240 |
| Wintergrazer 70 | — | — | — | 7,253 | 8,722 |
| Bates | — | — | — | 7,032 | 9,252 |
| SPI Rye | — | — | — | 6,691 | — |
| SS Early Graze | — | — | — | 6,690 | — |
| Oklon | — | — | — | 6,601 | 8,666 |
| Wheeler | — | — | — | 6,433 | — |
| Wren's Abruzzi AL | — | — | — | 6,329 | 7,733 |
| Elbon | — | — | — | 6,183 | 8,096 |
| Test Mean | — | — | — | 6,894 | 8,634 |
| L.S.D. (.10) | — | — | — | 1,171 | — |
| C.V. (%) | — | — | — | 12 | — |
| Triticale | | | | | |
| Trical 498 | 84 | 53.3 | 63 | 3,666 | — |
| Trical 2700 | — | — | — | 5,501 | 7,849 |
| Test Mean | 84 | 53.3 | 63 | 4,584 | 7,849 |
| L.S.D. (.10) | — | — | — | 935 | — |
| C.V. (%) | — | — | — | 9 | — |

TABLE 12. GULF COAST RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, FAIRHOPE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|--------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2000 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2000 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| FFR 518 W | 77 | 58.4 | 55 | — | — |
| GA 90524E35 | 77 | 57.2 | — | — | — |
| Northrup King 9663 | 69 | 60.5 | 58 | — | — |
| AGS 2000 | 68 | 60.2 | — | — | — |
| Fleming | 66 | 59.9 | 46 | — | — |
| FFR 502W | 62 | 59.7 | — | — | — |
| Pioneer 2691 | 61 | 57.2 | 52 | — | — |
| Pioneer 26R61 | 57 | 60.8 | — | — | — |
| Pioneer 2684 | 52 | 59.2 | 53 | — | — |
| Northrup King Coker 9835 | 48 | 51.9 | 52 | — | — |
| GA 901146E15 | 47 | 54.9 | — | — | — |
| VA96W-270 | 39 | 55.6 | — | 4,765 | — |
| VA96W-158 | 23 | 51.8 | — | 3,819 | — |
| Roberts | 18 | 53.4 | 34 | 4,174 | 5,491 |
| Jackson | 15 | 54.4 | 27 | — | — |
| SR 218 | 10 | — | — | — | — |
| SR 204 | 6 | — | — | — | — |
| Test Mean | 47 | 57.0 | 47 | 4,253 | 5,491 |
| L.S.D. (.10) | 7 | — | — | 178 | — |
| C.V. (%) | 11 | — | — | 2 | — |
| Oats | | | | | |
| Horizon 314 | 114 | 31.2 | — | 5,299 | — |
| SC 910337 | 84 | 31.0 | — | 5,539 | — |
| Chapman | 49 | 20.0 | 49 | 4,962 | 5,802 |
| Harrison | 49 | 23.8 | 54 | 5,908 | 6,968 |
| Ga Mitchell | 21 | 21.8 | 33 | 5,251 | 6,072 |
| Secretariat LA 495 | — | — | — | 5,667 | — |
| Test Mean | 63 | 25.6 | 46 | 5,438 | 6,281 |
| L.S.D. (.10) | 23 | — | — | 351 | — |
| C.V. (%) | 24 | — | — | 4 | — |
| Rye | | | | | |
| SPI Rye | — | — | — | 6,206 | — |
| Wren's 96 | — | — | — | 5,798 | 6,012 |
| Wintergrazer 70 | — | — | — | 5,762 | 6,145 |
| Oklon | — | — | — | 5,733 | 6,183 |
| Maton | — | — | — | 5,683 | 6,382 |
| Elbon | — | — | — | 5,658 | 6,240 |
| Bates | — | — | — | 5,504 | 6,340 |
| SS Early Graze | — | — | — | 5,180 | — |
| Wren's Abruzzi AL | — | — | — | 5,116 | 5,380 |
| Wheeler | — | — | — | 4,892 | — |
| Test Mean | — | — | — | 5,553 | 6,098 |
| L.S.D. (.10) | — | — | — | 784 | — |
| C.V. (%) | — | — | — | 10 | — |
| Triticale | | | | | |
| Trical 498 | 85 | 50.8 | 51 | 3,974 | — |
| Trical 2700 | — | — | — | 4,960 | 5,874 |
| Test Mean | 85 | 50.8 | 51 | 4,467 | 5,874 |
| L.S.D. (.10) | — | — | — | 1,003 | — |
| C.V. (%) | — | — | — | 9 | — |

TABLE 13. DISEASE RATINGS: SEPTORIA BLOTCH, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 2.8 | 4.0 | 2.2 |
| AR 494B-2-2 | 2.9 | 3.9 | — |
| AR 584-3-1 | 2.7 | 2.4 | — |
| AR 656-5-1 | 2.7 | 3.1 | — |
| FFR 502W | — | 3.8 | 2.2 |
| FFR 518 W | 2.3 | 3.2 | 2.0 |
| FFR 522W | 2.8 | 2.4 | — |
| FFR 535 | 3.0 | 2.9 | — |
| Fleming | — | 4.4 | 3.1 |
| GA 901146E15 | 2.4 | 3.3 | 1.9 |
| GA 90524E35 | 4.5 | 4.0 | 2.2 |
| Jackson | 3.3 | 2.8 | 2.1 |
| NK Coker 9704 | 3.9 | — | — |
| NK Coker 9835 | — | — | 2.8 |
| Northrup King 9663 | 2.3 | — | 1.9 |
| Northrup King Coker 9543 | 2.0 | — | — |
| Pioneer 2684 | 3.3 | 3.2 | 2.2 |
| Pioneer 2691 | — | 4.1 | 2.4 |
| Pioneer 26R24 | 3.4 | 2.3 | — |
| Pioneer 26R61 | — | 2.7 | 1.7 |
| Pioneer XW682 | 2.2 | 3.6 | — |
| Roberts | 3.9 | 2.1 | 2.0 |
| Santee | 3.5 | — | — |
| SR 204 | — | — | 2.1 |
| SR 218 | — | — | 1.9 |
| USG3209 | 2.3 | — | — |
| USG3709 | 3.0 | — | — |
| VA96W-158 | 2.8 | 3.1 | 1.8 |
| VA96W-270 | 2.3 | 2.3 | 1.6 |

¹ 0-10 scale: 0=no disease, 10 = severe disease.

TABLE 14. DISEASE RATINGS: LEAF RUST, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 0.0 | 1.4 | 1.6 |
| AR 494B-2-2 | 1.7 | 3.9 | — |
| AR 584-3-1 | 0.0 | 0.6 | — |
| AR 656-5-1 | 0.5 | 3.1 | — |
| FFR 502W | — | 1.6 | 2.6 |
| FFR 518 W | 0.3 | 0.0 | 1.0 |
| FFR 522W | 0.5 | 0.0 | — |
| FFR 535 | 1.3 | 3.0 | — |
| Fleming | — | 0.0 | 2.1 |
| GA 901146E15 | 1.2 | 2.6 | 2.2 |
| GA 90524E35 | 0.6 | 0.3 | 0.4 |
| Jackson | 2.3 | 5.4 | 2.9 |
| NK Coker 9704 | 0.5 | — | — |
| NK Coker 9835 | — | — | 4.0 |
| Northrup King 9663 | 0.5 | — | 0.7 |
| Northrup King Coker 9543 | 1.0 | — | — |
| Pioneer 2684 | 1.5 | 2.8 | 2.8 |
| Pioneer 2691 | — | 2.6 | 2.3 |
| Pioneer 26R24 | 1.2 | 1.9 | — |
| Pioneer 26R61 | — | 1.2 | 1.3 |
| Pioneer XW682 | 0.5 | 3.0 | — |
| Roberts | 1.7 | 2.9 | 2.3 |
| Santee | 0.7 | — | — |
| SR 204 | — | — | 2.0 |
| SR 218 | — | — | 3.1 |
| USG 3209 | 0.5 | — | — |
| USG 3709 | 1.2 | — | — |
| VA96W-158 | 1.0 | 2.3 | 2.1 |
| VA96W-270 | 1.7 | 3.1 | 1.9 |

¹ 0-10 scale: 0=no disease, 10 = severe disease.

TABLE 15. DISEASE RATINGS: POWDERY MILDEW, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 0.0 | 0.0 | 0.0 |
| AR 494B-2-2 | 1.3 | 0.6 | — |
| AR 584-3-1 | 3.0 | 0.4 | — |
| AR 656-5-1 | 0.0 | 0.2 | — |
| FFR 502W | — | 0.0 | 1.7 |
| FFR 518 W | 0.2 | 0.0 | 0.0 |
| FFR 522W | 2.0 | 0.7 | — |
| FFR 535 | 0.7 | 0.0 | — |
| Fleming | — | 0.0 | 0.0 |
| GA 901146E15 | 1.3 | 0.0 | 1.1 |
| GA 90524E35 | 1.7 | 0.1 | 0.4 |
| Jackson | 1.3 | 0.3 | 1.7 |
| NK Coker 9704 | 0.7 | — | — |
| NK Coker 9835 | — | — | 0.9 |
| Northrup King 9663 | 1.7 | — | 2.2 |
| Northrup King Coker 9543 | 2.8 | — | — |
| Pioneer 2684 | 0.0 | 0.0 | 0.3 |
| Pioneer 2691 | — | 0.0 | 0.5 |
| Pioneer 26R24 | 0.3 | 0.0 | — |
| Pioneer 26R61 | — | 0.0 | 1.3 |
| Pioneer XW682 | 1.4 | 0.3 | — |
| Roberts | 0.7 | 0.3 | 0.3 |
| Santee | 1.8 | — | — |
| SR 204 | — | — | 1.2 |
| SR 218 | — | — | 0.9 |
| USG3209 | 0.5 | — | — |
| USG3709 | 1.2 | — | — |
| VA96W-158 | 0.5 | 0.2 | 0.0 |
| VA96W-270 | 0.7 | 0.0 | 1.1 |

¹0-10 scale: 0=no disease, 10 = severe disease.

TABLE 16. DISEASE RATINGS: BARLEY YELLOW DWARF, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 84.2 | 78.3 | 40.0 |
| AR 494B-2-2 | 80.0 | 70.0 | — |
| AR 584-3-1 | 82.5 | 60.6 | — |
| AR 656-5-1 | 67.7 | 71.1 | — |
| FFR 502W | — | 76.1 | 44.0 |
| FFR 518 W | 80.8 | 78.9 | 33.9 |
| FFR 522W | 60.0 | 53.3 | — |
| FFR 535 | 75.8 | 45.6 | — |
| Fleming | — | 91.1 | 47.2 |
| GA 901146E15 | 82.5 | 80.0 | 48.3 |
| GA 90524E35 | 88.3 | 87.2 | 46.2 |
| Jackson | 81.5 | 81.7 | 53.4 |
| NK Coker 9704 | 90.0 | — | — |
| NK Coker 9835 | — | — | 38.3 |
| Northrup King 9663 | 66.7 | — | 25.1 |
| Northrup King Coker 9543 | 80.0 | — | — |
| Pioneer 2684 | 82.5 | 76.1 | 39.4 |
| Pioneer 2691 | — | 86.1 | 25.0 |
| Pioneer 26R24 | 85.8 | 62.8 | — |
| Pioneer 26R61 | — | 71.1 | 35.6 |
| Pioneer XW682 | 63.3 | 82.8 | — |
| Roberts | 75.8 | 75.0 | 50.0 |
| Santee | 80.8 | — | — |
| SR 204 | — | — | 50.6 |
| SR 218 | — | — | 80.6 |
| USG 3209 | 68.3 | — | — |
| USG 3709 | 84.2 | — | — |
| VA96W-158 | 81.7 | 86.1 | 52.8 |
| VA96W-70 | 78.3 | 58.9 | 27.8 |

¹Percent symptomatic plants.

TABLE 17. DISEASE RATINGS: STRIPE RUST, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 2.7 | 0.0 | 0.0 |
| AR 494B-2-2 | 0.0 | 0.0 | — |
| AR 584-3-1 | 0.0 | 0.0 | — |
| AR 656-5-1 | 0.0 | 0.0 | — |
| FFR 502W | — | 0.0 | 0.0 |
| FFR 518 W | 3.0 | 0.0 | 0.0 |
| FFR 522W | 2.6 | 0.0 | — |
| FFR 535 | 1.3 | 0.0 | — |
| Fleming | — | 0.0 | 0.0 |
| GA 901146E15 | 0.3 | 0.0 | 0.0 |
| GA 90524E35 | 1.8 | 0.0 | 0.0 |
| Jackson | 2.0 | 0.0 | 0.0 |
| NK Coker 9704 | 1.3 | — | — |
| NK Coker 9835 | — | — | 0.0 |
| Northrup King 9663 | 2.6 | — | 0.0 |
| Northrup King Coker 9543 | 1.3 | — | — |
| Pioneer 2684 | 2.0 | 0.0 | 0.0 |
| Pioneer 2691 | — | 0.0 | 0.0 |
| Pioneer 26R24 | 2.4 | 0.0 | — |
| Pioneer 26R61 | — | 0.0 | 0.0 |
| Pioneer XW682 | 3.9 | 0.0 | — |
| Roberts | 1.5 | 0.0 | 0.0 |
| Santee | 2.6 | — | — |
| SR 204 | — | — | 0.0 |
| SR 218 | — | — | 0.0 |
| USG 3209 | 0.5 | — | — |
| USG 3709 | 2.3 | — | — |
| VA96W-158 | 3.8 | 0.0 | 0.0 |
| VA96W-270 | 0.5 | 0.0 | 0.0 |

¹0-10 scale: 0=no disease, 10 = severe disease.

TABLE 18. DISEASE RATINGS: OAT

| Brand-Variety | Helminthosporium leaf spot ¹ | Crown rust ¹ | Barley yellow dwarf ² |
|-------------------------|--|-------------------------|----------------------------------|
| Northern Alabama | | | |
| Chapman | 1.0 | 0.0 | 39.2 |
| Ga Mitchell | 0.7 | 1.0 | 7.7 |
| Harrison | 1.1 | 1.0 | 10.0 |
| Horizon 314 | 0.6 | 0.0 | 8.3 |
| SC910337 | 1.0 | 0.0 | 14.3 |
| Central Alabama | | | |
| Chapman | 3.3 | 0.3 | 72.8 |
| Ga Mitchell | 3.8 | 1.3 | 72.2 |
| Harrison | 2.7 | 0.2 | 52.8 |
| Horizon 314 | 3.1 | 0.7 | 31.7 |
| SC910337 | 3.7 | 1.8 | 53.9 |
| Secretariat LA 495 | 3.1 | 1.3 | 47.3 |
| Southern Alabama | | | |
| Chapman | 1.4 | 4.1 | 33.9 |
| Ga Mitchell | 1.4 | 3.4 | 36.4 |
| Harrison | 1.2 | 3.2 | 10.0 |
| Horizon 314 | 1.1 | 0.0 | 16.8 |
| SC910337 | 1.0 | 1.9 | 8.1 |

¹0-10 scale: 0=no disease, 10 = severe disease. ²Percent symptomatic plants.

TABLE 19. DISEASE RATINGS: TRITICALE

| Brand-Variety | Septoria blotch ¹ | Leaf rust ¹ | Barley yellow dwarf ² |
|-------------------------|------------------------------|------------------------|----------------------------------|
| Northern Alabama | | | |
| Trical 498 | 3.0 | 0.5 | 69.2 |
| Central Alabama | | | |
| Trical 498 | 2.9 | 0.0 | 65.6 |
| Southern Alabama | | | |
| Trical 498 | 2.2 | 1.7 | 20.0 |

¹0-10 scale: 0 = no disease, 10 = severe disease ² Percent plants affected.

TABLE 20. DISEASE RATINGS: BARLEY

| Brand-Variety | Spot blotch ¹ | Septoria blotch ¹ | Net blotch ¹ | Barley yellow dwarf ² |
|---------------|--------------------------|------------------------------|-------------------------|----------------------------------|
| Callao | 3.2 | 2.5 | 0.7 | 88.3 |
| Nomini | 1.9 | 0.7 | 0.5 | 66.7 |
| Starling | 2.8 | 1.8 | 0.3 | 71.7 |

¹0-10 scale: 0 = no disease, 10 = severe disease. ²Percent plants affected.

Sources of Seed

Wheat

AR 494B-2-2*, AR 584-3-1*, AR 656-5-1*

University of Arkansas
Fayetteville, Arkansas

GA 90524E35*, GA 901146E15*,

AGS 2000 (formerly GA 8948E7)

Fleming, Roberts

Univ. of Georgia, Georgia Station
Griffin, Georgia

Coker (all varieties, brands, and hybrids)

Novartis Seeds, Inc.

Bay, Arkansas

Pioneer (all varieties, brands, and hybrids)

Pioneer Hi-Bred International, Inc.

Huntsville, Alabama

VA 96W-158*, VA 96W-270*

Virginia Polytechnic Inst.

Blacksburg, Virginia

SR 204, SR 218

Croplan Genetics

Memphis, Tennessee

Santee

Mixon Seed Company

Orangeburg, South Carolina

USG 3209, USG 3709

UniSouth Genetics, Inc

Nashville, Tennessee

Barley

Callao, Nomini, Starling

Virginia Polytechnic Inst.

Blacksburg, Virginia

Triticale

Trical 498, Trical 2700

Resource Seeds, Inc.

Union, Kentucky

Oats

Secretariat LA 495

Terral Seed Co.

Lake Providence, Louisiana

Harrison

Alabama Farmer's Coop

Decatur, Alabama

Chapman,

Horizon (formerly FL 92OHR31,314)

Univ. of Florida, Agric. Res. Ctr.

Quincy, Florida

Ga Mitchell

Alabama Crop Improvement Assoc.

Auburn, Alabama

SC 910337*

South Carolina Crop Impr. Assoc.

Clemson, South Carolina

Rye

Wren's Abruzzi AL

Alabama Crop Improvement Assoc.

Auburn, Alabama

Bates, Elbon, Maton, Oklon

Samuel Roberts Noble Foundation, Inc.

Ardmore, Oklahoma

Wren's 96

Univ. of Georgia, Georgia Station

Griffin, Georgia

Wintergrazer 70, SPI Rye

Seed Production, Inc.

Madison, Georgia

SS Wheeler, SS Early Graze

Southern States Coop.

Richmond, Virginia

* Experimental line; not yet commercially available.

Appendix

CHARACTERISTICS OF SELECTED WHEAT VARIETIES

| Brand-Variety | Resistance | | | | Test weight | Mat- urity | Straw strength | Vernalization requirement |
|---------------|--------------|-----------------|-------------------|----------------|-------------|---------------|-------------------|------------------------------|
| | Leaf rust | Glume blotch | Powdery mildew | Hessian fly | | | | |
| Ga-Gore | poor | good | good | good | good | medium | fair | med. long |
| Jackson | poor | fair | fair | poor | good | late | fair | long |
| Jaypee | poor | fair | poor | poor | good | medium | fair | medium |
| Madison | poor | fair | good | poor | fair | medium | good | med. long |
| NK Coker 9134 | poor | good | poor | poor | good | late | fair | long |
| NK Coker 9663 | good | fair | poor | fair | good | medium | good | medium |
| NK Coker 9704 | poor | fair | poor | poor | good | late | good | long |
| NK Coker 9835 | poor | good | fair | good | good | medium | good | medium |
| Pioneer 26R46 | good | good | good | poor | good | medium | good | medium |
| Pioneer 26R61 | good | good | good | good | good | medium | good | medium |
| Pioneer 2643 | good | good | good | poor | good | late | good | long |
| Pioneer 2684 | poor | good | good | good | good | early | fair | medium |
| Pioneer 2691 | fair | fair | fair | fair | fair | early | good | very short |
| Roberts | poor | good | good | good | good | late | fair | med. long |

CHARACTERISTICS OF SELECTED OAT VARIETIES

| Brand-Variety | Crown rust resistance | Cold hardiness | Maturity | Test weight | Straw strength |
|------------------|--------------------------|-------------------|----------|----------------|-------------------|
| Arkansas Co. 811 | poor | good | medium | good | poor |
| Florida 501 | poor | poor | early | good | poor |
| Florida 502 | fair | poor | early | good | good |
| Ga-Mitchell | poor | fair | medium | fair | good |
| NK Coker 716 | poor | good | medium | good | good |
| Ozark | poor | good | med-late | fair | poor |
| Rogers | poor | good | medium | fair | poor |

Barley Yellow Dwarf

Although Barley Yellow Dwarf is a significant problem in Alabama, no current oat or wheat varieties have adequate resistance to this disease. All oat and wheat varieties are susceptible.

Hessian Fly

In the 1996-97 and 1997-98 growing seasons biotype 'L' of hessian fly was found in Alabama. This biotype represented only a small portion of the population. The level of resistance to hessian fly as shown in the table is only valid for the biotypes other than 'L' since none of the current commercial varieties are resistant to this new biotype.