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The 2001

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 2001 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 2000 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 2000-01 variety tests are summarized by region in tables 14 through 20. Katherine B. Burch, Research Associate, Department of Plant Pathology, made disease ratings at all locations. No ratings were made at the

¹*Glass is an Agricultural Program Associate and Mask is an Associate Professor and Extension Agronomist in the Auburn University Department of Agronomy and Soils.*

Black Belt Research and Extension Center, Marion Junction, due to weed infestation. Disease onset on 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 lower at most locations than in 2000, while incidence of Septoria was similar. The viral disease, barley yellow dwarf, tended to be slightly higher in the southern region and slightly lower in the northern and central regions than last year. On oats, levels of Helminthosporium leaf spot were slightly higher in the southern region; however, incidence and severity of crown rust were lower than last year. On triticale, low levels of Septoria blotch were observed at most northern and southern locations. On barley, spot blotch, net blotch, and Septoria blotch developed at low levels.

DISCUSSION

Growing conditions and variety performance often vary among locations and years. 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 Fairhope, planting was delayed due to dry soil conditions. In the 2000-01 growing season planting was delayed due to wet soil conditions. Most locations had a wet spring. Moderate freeze damage occurred at several locations. The data from Marion Junction is not reported due to excess weeds. Regional averages and multiple-year averages are given here to use as better indicators of performance.

TABLE 1. LOCATION, PLANTING, AND HARVEST DATES FOR 2000-01 SMALL GRAIN TESTS

| Location | Date planted | Date harvested |
|-------------------------------------------------------------|--------------|----------------|
| Northern Alabama | | |
| Sand Mountain Research and Extension Center (Crossville) | | |
| Small grain, forage only | October 3 | |
| Small grain, grain only | December 5 | June 13 |
| Tennessee Valley Research and Extension Center (Belle Mina) | | |
| Small grain, forage only | October 2 | |
| Small grain, grain only | November 15 | June 18 |
| Upper Coastal Plain Research Sstation (Winfield) | | |
| Small grain, forage only | September 28 | |
| Central Alabama | | |
| Black Belt Research and Extension Center (Marion Junction) | | |
| Small grain, forage only | October 10 | |
| Small grain, grain only | December 12 | June 14 |
| E.V. Smith Res. Ctr., Plant Breeding Unit (Tallassee) | | |
| Small grain, forage only | September 29 | |
| Small grain, grain only | October 16 | May 30 |
| Prattville Research Field (Prattville) | | |
| Small grain, forage only | October 4 | |
| Small grain, grain only | November 28 | June 14 |
| Southern Alabama | | |
| Gulf Coast Research and Extension Center (Fairhope) | | |
| Small grain, forage only | October 12 | |
| Small grain, grain only | November 28 | May 24 |
| Monroeville Research Field (Monroeville) | | |
| Small grain, forage only | October 9 | |
| Small grain, grain only | December 1 | June 4 |
| Wiregrass Research and Extension Center (Headland) | | |
| Small grain, forage only | October 9 | |
| Small grain, grain only | November 16 | May 21 |

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

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | Lodg- ing pct. | 2001 average | | |
|--------------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | Grain only | | | Forage only | | | | Height in. | 1/10 headed date | Test wt. lb./bu. |
| | 2001 bu. | 2-yr. bu. | 3-yr. bu. | 2001 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Wheat | | | | | | | | | | |
| AGS 2000 | 66 | 79 | 78 | — | — | — | 1 | 32 | 4-27 | 59.4 |
| SS 518 | 63 | 75 | 74 | — | — | — | 1 | 31 | 4-25 | 57.5 |
| SS 522 | 61 | 74 | 72 | — | — | — | 1 | 32 | 4-27 | 60.2 |
| Pioneer 2684 | 64 | 72 | 72 | — | — | — | 1 | 32 | 4-26 | 59.3 |
| Northrup King 9663 | 52 | 72 | 72 | — | — | — | 1 | 35 | 4-28 | 58.4 |
| NK Coker 9704 | 59 | 72 | 72 | — | — | — | 1 | 29 | 4-25 | 59.5 |
| Roberts | 50 | 69 | 69 | 3,493 | 5,632 | 5,363 | 1 | 30 | 4-27 | 57.1 |
| Jackson | 58 | 67 | 66 | — | — | — | 1 | 32 | 4-27 | 58.9 |
| GA 901146E15 | 69 | 79 | — | 3,789 | — | — | 1 | 29 | 4-25 | 57.5 |
| SS 520 | 63 | 77 | — | — | — | — | 1 | 32 | 4-25 | 56.5 |
| SS 535 | 63 | 75 | — | — | — | — | 1 | 29 | 4-28 | 60.0 |
| USG 3209 | 63 | 74 | — | — | — | — | 1 | 29 | 4-27 | 58.4 |
| VA97W-206 | 62 | — | — | — | — | — | 1 | 30 | 4-27 | 57.4 |
| Northrup King Coker 9543 | 62 | 74 | — | — | — | — | 1 | 28 | 4-27 | 59.2 |
| Pioneer 26R24 | 61 | 77 | — | — | — | — | 1 | 33 | 4-28 | 58.5 |
| NK BL940812 | 61 | — | — | — | — | — | 1 | 29 | 4-27 | 60.3 |
| Pioneer XW692 | 61 | — | — | — | — | — | 1 | 31 | 4-28 | 58.6 |
| Pioneer XW586 | 60 | — | — | — | — | — | 1 | 31 | 4-25 | 57.2 |
| GA 91426E39 | 59 | — | — | 4,032 | — | — | 1 | 31 | 4-28 | 58.7 |
| NK Coker 9025 | 59 | — | — | — | — | — | 1 | 30 | 4-28 | 56.3 |
| NK BL940582 | 58 | — | — | — | — | — | 1 | 35 | 4-27 | 56.8 |
| AR 494B-2-2 | 57 | 70 | — | 4,253 | 6,101 | — | 1 | 34 | 4-28 | 57.3 |
| SABBE | 56 | 67 | — | — | — | — | 1 | 32 | 4-28 | 54.5 |
| AR 584A-3-1 | 53 | 66 | — | 3,505 | 5,661 | — | 1 | 34 | 4-28 | 57.4 |
| VA 96W-270 | 52 | 65 | — | — | — | — | 1 | 32 | 4-25 | 58.8 |
| Test Mean | 60 | 72 | 72 | 3,814 | 5,798 | 5,363 | 1 | 31 | — | 58.1 |
| L.S.D. (.10) | 8 | 10 | 9 | 958 | 781 | — | — | — | — | — |
| C.V. (%) | 10 | 10 | 10 | 18 | 10 | — | — | — | — | — |
| Oats | | | | | | | | | | |
| Chapman | 98 | 119 | 110 | 4,315 | 5,553 | 5,305 | 5 | 30 | 5-4 | 33.5 |
| Horizon 314 | 70 | 109 | 107 | 4,574 | 5,851 | 5,583 | 1 | 32 | 5-5 | 32.6 |
| Harrison | 85 | 110 | 98 | 4,801 | 5,667 | 5,527 | 2 | 38 | 4-23 | 34.9 |
| Ga Mitchell | 80 | 99 | 91 | 4,358 | 5,355 | 5,316 | 1 | 31 | 5-4 | 35.3 |
| Dallas | 93 | — | — | 5,106 | — | — | 2 | 32 | 5-4 | 32.8 |
| LA 604 | 90 | — | — | 4,287 | — | — | 1 | 31 | 5-5 | 32.7 |
| TX 96D070 | 81 | — | — | — | — | — | 1 | 24 | 5-7 | 32.5 |
| LA90113AFL2-1-19-3-1 | 81 | — | — | 4,260 | — | — | 2 | 33 | 4-23 | 33.9 |
| LA 9339E45 | 80 | — | — | 3,905 | — | — | 1 | 35 | 5-6 | 32.6 |
| TX 96D011 | 67 | — | — | 4,694 | — | — | 1 | 27 | 5-4 | 32.7 |
| Test Mean | 83 | 109 | 101 | 4,478 | 5,607 | 5,433 | 1 | 31 | — | 33.4 |
| L.S.D. (.10) | 22 | 13 | 21 | 836 | 848 | 728 | — | — | — | — |
| C.V. (%) | 19 | 8 | 15 | 14 | 11 | 10 | — | — | — | — |

continued

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

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2001 average | | | |
|----------------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | Grain only | | | Forage only | | | Lodg- ing pct. | Height in. | 1/10 headed date | Test wt. lb./bu. |
| | 2001 bu. | 2-yr. bu. | 3-yr. bu. | 2001 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Barley | | | | | | | | | | |
| Starling | 78 | 88 | 84 | — | — | — | 1 | 31 | 4-25 | 42.1 |
| Nomini | 72 | 85 | 81 | — | — | — | 1 | 33 | 4-23 | 44.1 |
| Callao | 69 | 77 | 77 | — | — | — | 6 | 27 | 4-24 | 44.1 |
| VA 96B-248 | 81 | — | — | — | — | — | 1 | 26 | 4-26 | 45.1 |
| VA 96-44-321 | 80 | — | — | — | — | — | 1 | 28 | 4-27 | 45.2 |
| VA 97B-142 | 73 | — | — | — | — | — | 1 | 27 | 4-25 | 45.7 |
| VA 97B-388 | 73 | — | — | — | — | — | 1 | 28 | 4-28 | 45.4 |
| VA 96-44-304 | 72 | — | — | — | — | — | 1 | 27 | 4-25 | 46.1 |
| VA 97B-176 | 69 | — | — | — | — | — | 2 | 28 | 4-27 | 46.3 |
| VA 97B-178 | 66 | — | — | — | — | — | 2 | 26 | 4-25 | 44.9 |
| TX 94D632 | 59 | — | — | 4,439 | — | — | 1 | 30 | 4-25 | 41.2 |
| Test Mean | 72 | 84 | 81 | 4,439 | — | — | 1 | 28 | — | 44.6 |
| L.S.D. (.10) | 16 | 14 | 20 | — | — | — | — | — | — | — |
| C.V. (%) | 16 | 11 | 17 | — | — | — | — | — | — | — |
| Rye | | | | | | | | | | |
| Oklon | — | — | — | 4,952 | 7,252 | 6,717 | — | — | — | — |
| Wintergrazer 70 | — | — | — | 4,790 | 7,298 | 6,390 | — | — | — | — |
| Bates | — | — | — | 4,846 | 6,924 | 6,356 | — | — | — | — |
| Wren's 96 | — | — | — | 4,604 | 7,139 | 6,318 | — | — | — | — |
| Maton | — | — | — | 4,632 | 6,508 | 6,202 | — | — | — | — |
| Elbon | — | — | — | 5,119 | 6,366 | 6,001 | — | — | — | — |
| Wren's Abruzzi AL | — | — | — | 5,037 | 6,739 | 5,959 | — | — | — | — |
| Carolina Early Grazer 2000 | — | — | — | 5,145 | — | — | — | — | — | — |
| Carolina Grazer 2000 | — | — | — | 4,967 | — | — | — | — | — | — |
| SPI Rye | — | — | — | 4,882 | 6,585 | — | — | — | — | — |
| 96RS1 | — | — | — | 4,801 | — | — | — | — | — | — |
| 96P16M | — | — | — | 4,635 | — | — | — | — | — | — |
| FL-SYN-T | — | — | — | 4,105 | — | — | — | — | — | — |
| Test Mean | — | — | — | 4,809 | 6,851 | 6,278 | — | — | — | — |
| L.S.D. (.10) | — | — | — | 1,618 | 1,468 | 539 | — | — | — | — |
| C.V. (%) | — | — | — | 25 | 16 | 6 | — | — | — | — |
| Triticale | | | | | | | | | | |
| Trical 498 | 76 | 85 | 87 | 3,405 | 4,751 | — | 1 | 39 | 4-25 | 48.5 |
| RSI 351 | 76 | — | — | 3,803 | — | — | 1 | 35 | 4-26 | 49.0 |
| TX 94D7575 | 70 | — | — | — | — | — | 1 | 44 | 4-29 | 51.3 |
| Trical 2700 | — | — | — | 4,348 | 6,218 | 6,033 | — | — | — | — |
| Test Mean | 74 | 85 | 87 | 3,852 | 5,484 | 6,033 | 1 | 39 | — | 49.6 |
| L.S.D. (.10) | 8 | — | — | 970 | 1,296 | 716 | — | — | — | — |
| C.V. (%) | 7 | — | — | 17 | 15 | 7 | — | — | — | — |

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

| Brand-Variety | —Grain-only yield/acre— | | | —Forage-only yield/acre— | |
|--------------------------|-------------------------|---------------------------|-------------------------|--------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| AGS 2000 | 53 | 57.9 | 79 | — | — |
| VA97W-206 | 51 | 56.5 | — | — | — |
| NK Coker 9025 | 50 | 54.9 | — | — | — |
| Pioneer 2684 | 50 | 57.4 | 73 | — | — |
| GA 901146E15 | 49 | 56.3 | — | 3,091 | — |
| Northrup King Coker 9543 | 48 | 58.4 | — | — | — |
| SS 522 | 47 | 58.4 | 74 | — | — |
| Northrup King 9663 | 46 | 57.1 | 74 | — | — |
| NK BL940812 | 46 | 58.0 | — | — | — |
| USG 3209 | 45 | 56.9 | — | — | — |
| NK BL940582 | 45 | 54.9 | — | — | — |
| SS 535 | 44 | 57.8 | — | — | — |
| SABBE | 44 | 52.0 | — | — | — |
| Pioneer XW692 | 44 | 56.2 | — | — | — |
| Pioneer 26R24 | 44 | 57.0 | — | — | — |
| AR 494B-2-2 | 44 | 56.3 | — | 3,721 | — |
| SS 520 | 43 | 54.3 | — | — | — |
| GA 91426E39 | 43 | 57.0 | — | 3,457 | — |
| Pioneer XW586 | 43 | 55.4 | — | — | — |
| Jackson | 42 | 57.3 | 66 | — | — |
| SS 518 | 39 | 55.4 | 72 | — | — |
| NK Coker 9704 | 38 | 57.3 | 70 | — | — |
| AR 584A-3-1 | 36 | 55.2 | — | 3,422 | — |
| Roberts | 35 | 54.9 | 71 | 3,024 | 5,192 |
| VA 96W-270 | 30 | 56.2 | — | — | — |
| Test Mean | 44 | 56.4 | 72 | 3,343 | 5,192 |
| L.S.D. (.10) | 9 | — | — | 371 | — |
| C.V. (%) | 14 | — | — | 7 | — |
| Oats | | | | | |
| Dallas | 91 | 31.7 | — | 4,522 | — |
| Chapman | 83 | 32.2 | 115 | 3,867 | 5,785 |
| LA 604 | 80 | 32.7 | — | 3,874 | — |
| Harrison | 70 | 34.0 | 98 | 4,882 | 6,217 |
| TX 96D070 | 67 | 31.4 | — | — | — |
| Horizon 314 | 63 | 32.5 | 118 | 4,090 | 5,892 |
| TX 96D011 | 61 | 32.9 | — | 4,943 | — |
| Ga Mitchell | 58 | 33.9 | 90 | 4,019 | 5,771 |
| LA 90113AFL2-1-19-3-1 | 58 | 33.2 | — | 3,916 | — |
| LA 9339E45 | 53 | 31.4 | — | 3,783 | — |
| Test Mean | 68 | 32.6 | 105 | 4,211 | 5,916 |
| L.S.D. (.10) | 25 | — | — | 540 | — |
| C.V. (%) | 26 | — | — | 9 | — |

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 | |
|----------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Barley | | | | | |
| VA 96B-248 | 67 | 46.4 | — | — | — |
| VA 96-44-321 | 63 | 45.3 | — | — | — |
| TX 94D632 | 61 | 40.7 | — | 3,671 | — |
| VA 97B-388 | 60 | 45.1 | — | — | — |
| VA 97B-176 | 58 | 47.6 | — | — | — |
| Nomini | 56 | 44.0 | 77 | — | — |
| Callao | 55 | 43.9 | 75 | — | — |
| VA 97B-178 | 55 | 45.3 | — | — | — |
| VA 96-44-304 | 54 | 47.7 | — | — | — |
| Starling | 54 | 42.4 | 81 | — | — |
| VA 97B-142 | 50 | 46.3 | — | — | — |
| Test Mean | 58 | 45.0 | 78 | 3,671 | — |
| L.S.D. (.10) | 12 | — | — | — | — |
| C.V. (%) | 15 | — | — | — | — |
| Rye | | | | | |
| Elbon | — | — | — | 4,233 | 6,193 |
| Carolina Grazer 2000 | — | — | — | 4,222 | — |
| Maton | — | — | — | 4,194 | 6,378 |
| SPI Rye | — | — | — | 4,191 | — |
| Carolina Early Grazer 2000 | — | — | — | 3,895 | — |
| Oklon | — | — | — | 3,892 | 6,567 |
| 96RS1 | — | — | — | 3,812 | — |
| Wintergrazer 70 | — | — | — | 3,762 | 5,452 |
| 96P16M | — | — | — | 3,695 | — |
| Bates | — | — | — | 3,634 | 5,907 |
| Wren's Abruzzi AL | — | — | — | 3,550 | 5,217 |
| Wren's 96 | — | — | — | 3,531 | 5,588 |
| FL-SYN-T | — | — | — | 2,792 | — |
| Test Mean | — | — | — | 3,800 | 5,900 |
| L.S.D. (.10) | — | — | — | 1,549 | — |
| C.V. (%) | — | — | — | 29 | — |
| Triticale | | | | | |
| Trical 498 | 67 | 48.1 | 85 | 2,628 | — |
| RSI 351 | 65 | 48.5 | — | 3,573 | — |
| TX 94D7575 | 62 | 50.6 | — | — | — |
| Trical 2700 | — | — | — | 4,016 | 6,303 |
| Test Mean | 65 | 49.1 | 85 | 3,405 | 6,303 |
| L.S.D. (.10) | 10 | — | — | 655 | — |
| C.V. (%) | 9 | — | — | 11 | — |

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

| Brand-Variety | Grain-only yield/acre | | | —Forage-only yield/acre ¹ — | |
|--------------------------|-----------------------|---------------------------|-------------------------|----------------------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| GA 901146E15 | 90 | 58.7 | — | 4,498 | — |
| SS 518 | 86 | 59.6 | 76 | — | — |
| SS 520 | 83 | 58.7 | — | — | — |
| SS 535 | 81 | 62.2 | — | — | — |
| USG 3209 | 81 | 59.8 | — | — | — |
| NK Coker 9704 | 80 | 61.8 | 73 | — | — |
| Pioneer 26R24 | 79 | 60.0 | — | — | — |
| Pioneer 2684 | 79 | 61.2 | 71 | — | — |
| AGS 2000 | 78 | 60.8 | 76 | — | — |
| Pioneer XW692 | 77 | 61.0 | — | — | — |
| Pioneer XW586 | 77 | 59.1 | — | — | — |
| NK BL940812 | 76 | 62.5 | — | — | — |
| GA 91426E39 | 75 | 60.3 | — | 4,894 | — |
| Northrup King Coker 9543 | 75 | 60.0 | — | — | — |
| SS 522 | 75 | 62.1 | 71 | — | — |
| VA 96W-270 | 74 | 61.4 | — | — | — |
| VA97W-206 | 74 | 58.2 | — | — | — |
| Jackson | 74 | 60.5 | 67 | — | — |
| NK BL940582 | 72 | 58.8 | — | — | — |
| AR 494B-2-2 | 71 | 58.3 | — | 5,555 | — |
| AR 584A-3-1 | 69 | 59.7 | — | 4,110 | — |
| NK Coker 9025 | 68 | 57.7 | — | — | — |
| SABBE | 67 | 56.9 | — | — | — |
| Roberts | 66 | 59.4 | 67 | 4,188 | — |
| Northrup King 9663 | 58 | 59.7 | 70 | — | — |
| Test Mean | 75 | 59.9 | 71 | 4,649 | — |
| L.S.D. (.10) | 8 | — | — | 1,585 | — |
| C.V. (%) | 8 | — | — | 22 | — |
| Oats | | | | | |
| Chapman | 112 | 34.7 | 104 | 4,981 | — |
| LA 9339E45 | 107 | 33.8 | — | 4,775 | — |
| LA 90113AFL2-1-19-3-1 | 104 | 34.6 | — | 5,794 | — |
| Ga Mitchell | 102 | 36.6 | 92 | 5,312 | — |
| LA 604 | 100 | 32.7 | — | 5,825 | — |
| Harrison | 100 | 35.9 | 98 | 5,992 | — |
| TX 96D070 | 96 | 33.7 | — | — | — |
| Dallas | 96 | 33.9 | — | 5,965 | — |
| Horizon 314 | 77 | 32.8 | 96 | 6,334 | — |
| TX 96D011 | 74 | 32.5 | — | 5,634 | — |
| Test Mean | 97 | 34.1 | 97 | 5,623 | — |
| L.S.D. (.10) | 20 | — | — | 1,061 | — |
| C.V. (%) | 15 | — | — | 13 | — |

continued

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

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|----------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Barley | | | | | |
| Starling | 102 | 41.8 | 88 | — | — |
| VA 96-44-321 | 98 | 45.0 | — | — | — |
| VA 97B-142 | 96 | 45.2 | — | — | — |
| VA 96B-248 | 95 | 43.8 | — | — | — |
| VA 96-44-304 | 89 | 44.5 | — | — | — |
| Nomini | 89 | 44.2 | 85 | — | — |
| VA 97B-388 | 86 | 45.7 | — | — | — |
| Callao | 84 | 44.3 | 78 | — | — |
| VA 97B-176 | 80 | 45.0 | — | — | — |
| VA 97B-178 | 77 | 44.5 | — | — | — |
| TX 94D632 | 57 | 41.7 | — | 6,179 | — |
| Test Mean | 87 | 44.2 | 83 | 6,179 | — |
| L.S.D. (.10) | 18 | — | — | — | — |
| C.V. (%) | 15 | — | — | — | — |
| Rye | | | | | |
| Wintergrazer 70 | — | — | — | 7,145 | — |
| Wren's Abruzzi AL | — | — | — | 7,135 | — |
| Elbon | — | — | — | 6,762 | — |
| Oklon | — | — | — | 6,694 | — |
| 96RS1 | — | — | — | 6,487 | — |
| Bates | — | — | — | 6,417 | — |
| Carolina Grazer 2000 | — | — | — | 6,207 | — |
| Carolina Early Grazer 2000 | — | — | — | 6,202 | — |
| Wren's 96 | — | — | — | 6,074 | — |
| SPI Rye | — | — | — | 5,914 | — |
| Maton | — | — | — | 5,743 | — |
| 96P16M | — | — | — | 5,516 | — |
| FL-SYN-T | — | — | — | 4,688 | — |
| Test Mean | — | — | — | 6,229 | — |
| L.S.D. (.10) | — | — | — | 2,033 | — |
| C.V. (%) | — | — | — | 23 | — |
| Triticale | | | | | |
| RSI 351 | 87 | 49.6 | — | 4,532 | — |
| Trical 498 | 85 | 48.9 | 90 | 3,839 | — |
| TX 94D7575 | 77 | 52.0 | — | — | — |
| Trical 2700 | — | — | — | 4,981 | — |
| Test Mean | 83 | 50.2 | 90 | 4,451 | — |
| L.S.D. (.10) | 8 | — | — | 1,420 | — |
| C.V. (%) | 5 | — | — | 18 | — |

TABLE 5. UPPER COASTAL PLAIN RESEARCH STATION SMALL GRAIN TRIAL, WINFIELD

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|----------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| GA 901146E15 | — | — | — | 3,777 | — |
| GA 91426E39 | — | — | — | 3,745 | — |
| AR 494B-2-2 | — | — | — | 3,481 | — |
| Roberts | — | — | — | 3,266 | 6,293 |
| AR 584A-3-1 | — | — | — | 2,982 | — |
| Test Mean | — | — | — | 3,450 | 6,293 |
| L.S.D. (.10) | — | — | — | 779 | — |
| C.V. (%) | — | — | — | 15 | — |
| Oats | | | | | |
| Dallas | — | — | — | 4,830 | — |
| Chapman | — | — | — | 4,099 | 5,583 |
| Ga Mitchell | — | — | — | 3,742 | 5,527 |
| Harrison | — | — | — | 3,530 | 5,418 |
| TX 96D011 | — | — | — | 3,504 | — |
| Horizon 314 | — | — | — | 3,299 | 5,617 |
| LA 604 | — | — | — | 3,163 | — |
| LA 9339E45 | — | — | — | 3,158 | — |
| LA 90113AFL2-1-19-3-1 | — | — | — | 3,070 | — |
| Test Mean | — | — | — | 3,599 | 5,536 |
| L.S.D. (.10) | — | — | — | 926 | — |
| C.V. (%) | — | — | — | 18 | — |
| Barley | | | | | |
| TX 94D632 | — | — | — | 3,466 | — |
| Test Mean | — | — | — | 3,466 | — |
| L.S.D. (.10) | — | — | — | — | — |
| C.V. (%) | — | — | — | — | — |
| Rye | | | | | |
| Carolina Early Grazer 2000 | — | — | — | 5,340 | — |
| FL-SYN-T | — | — | — | 4,835 | — |
| 96P16M | — | — | — | 4,693 | — |
| SPI Rye | — | — | — | 4,542 | — |
| Bates | — | — | — | 4,488 | 7,180 |
| Carolina Grazer 2000 | — | — | — | 4,471 | — |
| Wren's Abruzzi AL | — | — | — | 4,427 | 7,280 |
| Elbon | — | — | — | 4,361 | 6,069 |
| Oklon | — | — | — | 4,270 | 7,527 |
| Wren's 96 | — | — | — | 4,208 | 8,235 |
| 96RS1 | — | — | — | 4,105 | — |
| Maton | — | — | — | 3,959 | 6,551 |
| Wintergrazer 70 | — | — | — | 3,463 | 7,927 |
| Test Mean | — | — | — | 4,397 | 7,253 |
| L.S.D. (.10) | — | — | — | 1,321 | — |
| C.V. (%) | — | — | — | 22 | — |
| Triticale | | | | | |
| Trical 2700 | — | — | — | 4,048 | 6,762 |
| Trical 498 | — | — | — | 3,748 | — |
| RSI 351 | — | — | — | 3,304 | — |
| Test Mean | — | — | — | 3,700 | 6,762 |
| L.S.D. (.10) | — | — | — | 1,261 | — |
| C.V. (%) | — | — | — | 20 | — |

TABLE 6. CENTRAL ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2001 average | | | |
|----------------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | Grain only | | | Forage only | | | Lodg- ing pct. | Height in. | 1/10 headed date | Test wt. lb./bu. |
| | 2001 bu. | 2-yr. bu. | 3-yr. bu. | 2001 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Wheat | | | | | | | | | | |
| AGS 2000 | 66 | 67 | 65 | — | — | — | 0 | 40 | 4-8 | 56.0 |
| Roberts | 57 | 64 | 62 | 5,514 | 4,939 | 5,189 | 1 | 39 | 4-11 | 54.1 |
| Pioneer 2684 | 62 | 62 | 61 | — | — | — | 0 | 37 | 4-12 | 57.4 |
| Jackson | 59 | 51 | 46 | — | — | — | 4 | 40 | 4-14 | 53.9 |
| VA97W-206 | 68 | — | — | — | — | — | 1 | 37 | 4-13 | 52.9 |
| Pioneer 26R24 | 68 | 68 | — | — | — | — | 0 | 40 | 4-11 | 54.0 |
| GA 901146E15 | 63 | 61 | — | 5,102 | — | — | 0 | 36 | 4-10 | 53.4 |
| Pioneer 26R38 | 60 | 63 | — | — | — | — | 0 | 41 | 4-10 | 54.6 |
| AR 584A-3-1 | 56 | 54 | — | 5,181 | 4,950 | — | 2 | 43 | 4-13 | 54.5 |
| AR 494B-2-2 | 55 | 54 | — | 5,229 | 4,644 | — | 3 | 39 | 4-14 | 52.1 |
| SABBE | 53 | 49 | — | — | — | — | 0 | 38 | 4-14 | 50.9 |
| SS 520 | 52 | 60 | — | — | — | — | 0 | 40 | 4-11 | 53.9 |
| GA 91426E39 | 50 | — | — | 5,779 | — | — | 0 | 37 | 4-11 | 55.3 |
| VA 96W-270 | 49 | 56 | — | — | — | — | 0 | 39 | 4-9 | 54.5 |
| Test Mean | 58 | 59 | 59 | 5,361 | 4,844 | 5,189 | 1 | 39 | — | 54.1 |
| L.S.D. (.10) | 9 | 9 | 9 | 1,222 | 723 | — | — | — | — | — |
| C.V. (%) | 11 | 11 | 11 | 16 | 11 | — | — | — | — | — |
| Oats | | | | | | | | | | |
| Horizon 314 | 57 | 64 | 72 | 5,044 | 4,753 | 4,919 | 0 | 40 | 4-20 | 26.5 |
| Chapman | 41 | 59 | 66 | 4,513 | 4,129 | 4,640 | 0 | 38 | 4-17 | 30.2 |
| Harrison | 43 | 52 | 59 | 4,823 | 4,750 | 5,116 | 1 | 42 | 4-19 | 33.1 |
| Ga Mitchell | 48 | 39 | 54 | 4,509 | 4,488 | 4,654 | 1 | 34 | 4-20 | 33.6 |
| Secretariat LA 495 | 55 | 72 | — | 4,550 | 4,241 | — | 0 | 38 | 4-19 | 30.2 |
| LA 9339E45 | 52 | — | — | 4,916 | — | — | 0 | 40 | 4-21 | 32.4 |
| TX 96D011 | 48 | — | — | 4,270 | — | — | 4 | 33 | 4-22 | 27.3 |
| LA90113AFL2-1-19-3-1 | 48 | — | — | 4,753 | — | — | 0 | 39 | 4-18 | 30.8 |
| Dallas | 43 | — | — | 5,106 | — | — | 1 | 37 | 4-20 | 30.0 |
| LA 604 | 43 | — | — | 4,047 | — | — | 0 | 37 | 4-22 | 30.2 |
| Test Mean | 48 | 57 | 63 | 4,653 | 4,472 | 4,832 | 1 | 38 | — | 30.4 |
| L.S.D. (.10) | 10 | 15 | 13 | 599 | 1,354 | 1,307 | — | — | — | — |
| C.V. (%) | 15 | 18 | 16 | 9 | 22 | 20 | — | — | — | — |
| Rye | | | | | | | | | | |
| Elbon | — | — | — | 6,012 | 5,180 | 5,545 | — | — | — | — |
| Oklon | — | — | — | 6,493 | 5,476 | 5,449 | — | — | — | — |
| Bates | — | — | — | 6,566 | 5,369 | 5,351 | — | — | — | — |
| Wintergrazer 70 | — | — | — | 6,259 | 5,229 | 5,253 | — | — | — | — |
| Wren's 96 | — | — | — | 6,414 | 5,156 | 5,218 | — | — | — | — |
| Maton | — | — | — | 6,131 | 5,284 | 5,138 | — | — | — | — |
| Wren's Abruzzi AL | — | — | — | 6,602 | 5,077 | 4,930 | — | — | — | — |
| SPI Rye | — | — | — | 6,467 | 5,334 | — | — | — | — | — |
| 96RS1 | — | — | — | 6,361 | — | — | — | — | — | — |
| Carolina Early Grazer 2000 | — | — | — | 6,092 | — | — | — | — | — | — |
| 96P16M | — | — | — | 6,090 | — | — | — | — | — | — |
| Carolina Grazer 2000 | — | — | — | 6,082 | — | — | — | — | — | — |
| FL-SYN-T | — | — | — | 5,866 | — | — | — | — | — | — |
| Test Mean | — | — | — | 6,264 | 5,263 | 5,269 | — | — | — | — |
| L.S.D. (.10) | — | — | — | 761 | 979 | 1,471 | — | — | — | — |
| C.V. (%) | — | — | — | 9 | 14 | 20 | — | — | — | — |

continued

TABLE 6, CONTINUED. CENTRAL ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2001 average | | | |
|---------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | —Grain only— | | | —Forage only— | | | Lodg- ing pct. | Height in. | 1/10 headed date | Test wt. lb./bu. |
| | 2001 bu. | 2-yr. bu. | 3-yr. bu. | 2001 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Triticale | | | | | | | | | | |
| Trical 498 | 52 | 54 | 56 | 5,235 | 3,938 | — | 2 | 41 | 4-3 | 46.0 |
| RSI 351 | 27 | — | — | 5,995 | — | — | 0 | 37 | 4-10 | 45.0 |
| TX 94D7575 | 27 | — | — | — | — | — | 3 | 43 | 4-14 | 45.0 |
| Trical 2700 | — | — | — | 5,968 | 4,894 | 4,759 | — | — | — | — |
| Test Mean | 35 | 54 | 56 | 5,733 | 4,416 | 4,759 | 2 | 40 | — | 45.3 |
| L.S.D. (.10) | 12 | — | — | 696 | 361 | — | — | — | — | — |
| C.V. (%) | 22 | — | — | 8 | 5 | — | — | — | — | — |

TABLE 7. PRATTVILLE EXPERIMENT FIELD SMALL GRAIN TRIAL, PRATTVILLE

| Brand-Variety | —Grain-only yield/acre— | | | —Forage-only yield/acre— | |
|-----------------------|-------------------------|--------------------|------------------|--------------------------|------------------|
| | 2001 bu. | Test wt. lb./bu | 3-yr. av. bu. | 2001 lb. | 3-yr. av. lb. |
| Wheat | | | | | |
| Pioneer 26R24 | 67 | 53.0 | — | — | — |
| GA 901146E15 | 66 | 51.9 | — | 3,427 | — |
| VA 96W-270 | 65 | 53.3 | — | — | — |
| Pioneer 2684 | 64 | 55.9 | 66 | — | — |
| SS 520 | 63 | 52.3 | — | — | — |
| VA97W-206 | 61 | 52.0 | — | — | — |
| Pioneer 26R38 | 59 | 53.4 | — | — | — |
| Roberts | 59 | 53.2 | 63 | 3,602 | 4,924 |
| SABBE | 57 | 50.6 | — | — | — |
| Jackson | 54 | 53.6 | 46 | — | — |
| AGS 2000 | 54 | 53.9 | 63 | — | — |
| GA 91426E39 | 52 | 54.1 | — | 3,399 | — |
| AR 494B-2-2 | 50 | 51.5 | — | 3,282 | — |
| AR 584A-3-1 | 49 | 52.8 | — | 3,538 | — |
| Test Mean | 59 | 52.9 | 59 | 3,450 | 4,924 |
| L.S.D. (.10) | 8 | — | — | 558 | - |
| C.V. (%) | 10 | — | — | 11 | — |
| Oats | | | | | |
| Horizon 314 | 80 | 30.9 | 89 | 3,891 | 4,858 |
| Ga Mitchell | 75 | 34.1 | 67 | 3,918 | 4,260 |
| Secretariat LA 495 | 74 | 30.2 | — | 3,681 | — |
| TX 96D011 | 71 | 26.7 | — | 3,979 | — |
| Chapman | 71 | 30.3 | 79 | 3,453 | 4,456 |
| LA 90113AFL2-1-19-3-1 | 68 | 29.7 | — | 3,331 | — |
| Harrison | 63 | 33.6 | 70 | 3,533 | 4,780 |
| Dallas | 60 | 30.4 | — | 3,524 | — |
| LA 604 | 59 | 29.5 | — | 3,090 | — |
| LA 9339E45 | 57 | 32.2 | — | 3,300 | — |
| Test Mean | 68 | 30.7 | 76 | 3,570 | 4,589 |
| L.S.D. (.10) | 10 | — | — | 507 | — |
| C.V. (%) | 11 | — | — | 10 | — |

continued

TABLE 7 CONTINUED. PRATTVILLE EXPERIMENT FIELD SMALL GRAIN TRIAL, PRATTVILLE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|----------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Rye | | | | | |
| Elbon | — | — | — | 5,259 | 5,406 |
| Bates | — | — | — | 4,943 | 5,450 |
| SPI Rye | — | — | — | 4,900 | — |
| Carolina Grazer 2000 | — | — | — | 4,848 | — |
| Oklon | — | — | — | 4,847 | 5,190 |
| 96RS1 | — | — | — | 4,803 | — |
| Carolina Early Grazer 2000 | — | — | — | 4,541 | — |
| 96P16M | — | — | — | 4,533 | — |
| Wintergrazer 70 | — | — | — | 4,451 | 5,122 |
| Wren's Abruzzi AL | — | — | — | 4,446 | 4,260 |
| Maton | — | — | — | 4,326 | 5,013 |
| Wren's 96 | — | — | — | 4,289 | 4,687 |
| FL-SYN-T | — | — | — | 4,133 | — |
| Test Mean | — | — | — | 4,640 | 5,018 |
| L.S.D. (.10) | — | — | — | 686 | — |
| C.V. (%) | — | — | — | 11 | — |
| Triticale | | | | | |
| Trical 498 | 51 | 45.3 | 58 | 3,549 | — |
| RSI 351 | 24 | 46.6 | — | 4,124 | — |
| TX 94D7575 | 18 | 44.1 | — | — | — |
| Trical 2700 | — | — | — | 4,592 | 4,530 |
| Test Mean | 31 | 45.3 | 58 | 4,088 | 4,530 |
| L.S.D. (.10) | 11 | — | — | 459 | — |
| C.V. (%) | 21 | — | — | 6 | — |

TABLE 8. E.V. SMITH RESEARCH CENTER SMALL GRAIN TRIAL, PLANT BREEDING UNIT, TALLASSEE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|---------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| AGS 2000 | 78 | 58.1 | 67 | — | — |
| VA97W-206 | 75 | 53.8 | — | — | — |
| Pioneer 26R24 | 68 | 55.0 | — | — | — |
| Jackson | 63 | 54.3 | 47 | — | — |
| AR 584A-3-1 | 63 | 56.2 | — | 5,388 | — |
| Pioneer 26R38 | 62 | 55.7 | — | — | — |
| GA 901146E15 | 61 | 54.8 | — | 5,238 | — |
| Pioneer 2684 | 60 | 58.9 | 55 | — | — |
| AR 494B-2-2 | 60 | 52.7 | — | 5,913 | — |
| Roberts | 55 | 55.0 | 62 | 5,333 | 5,296 |
| SABBE | 49 | 51.2 | — | — | — |
| GA 91426E39 | 48 | 56.5 | — | 7,028 | — |
| SS 520 | 42 | 55.6 | — | — | — |
| VA 96W-270 | 33 | 55.7 | — | — | — |
| Test Mean | 58 | 55.3 | 58 | 5,780 | 5,296 |
| L.S.D. (.10) | 10 | — | — | 2,108 | — |
| C.V. (%) | 13 | — | — | 24 | — |

continued

TABLE 8 CONTINUED. E.V. SMITH RESEARCH CENTER SMALL GRAIN TRIAL, PLANT BREEDING UNIT,
TALLASSEE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|----------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Oats | | | | | |
| LA 9339E45 | 47 | 32.7 | — | 4,864 | — |
| Secretariat LA 495 | 36 | 30.2 | — | 4,223 | — |
| Horizon 314 | 33 | 22.1 | 56 | 4,701 | 4,705 |
| LA 90113AFL2-1-19-3-1 | 27 | 31.9 | — | 4,711 | — |
| Dallas | 26 | 29.7 | — | 5,766 | — |
| TX 96D011 | 26 | 28.0 | — | 3,850 | — |
| LA 604 | 26 | 31.0 | — | 3,717 | — |
| Harrison | 23 | 32.6 | 48 | 4,605 | 5,318 |
| Ga Mitchell | 21 | 33.2 | 41 | 3,684 | 4,959 |
| Chapman | 11 | 30.0 | 53 | 3,911 | 4,039 |
| Test Mean | 28 | 30.1 | 49 | 4,403 | 4,755 |
| L.S.D. (.10) | 10 | — | — | 809 | — |
| C.V. (%) | 26 | — | — | 13 | — |
| Rye | | | | | |
| Maton | — | — | — | 7,878 | 5,927 |
| Oklon | — | — | — | 6,970 | 6,250 |
| Elbon | — | — | — | 6,903 | 6,703 |
| Wren's 96 | — | — | — | 6,792 | 6,169 |
| SPI Rye | — | — | — | 6,755 | — |
| 96RS1 | — | — | — | 6,653 | — |
| Bates | — | — | — | 6,537 | 5,601 |
| Wren's Abruzzi AL | — | — | — | 6,352 | 5,365 |
| Carolina Early Grazer 2000 | — | — | — | 6,321 | — |
| FL-SYN-T | — | — | — | 6,188 | — |
| Wintergrazer 70 | — | — | — | 6,159 | 5,760 |
| Carolina Grazer 2000 | — | — | — | 6,140 | — |
| 96P16M | — | — | — | 5,723 | — |
| Test Mean | — | — | — | 6,567 | 5,968 |
| L.S.D. (.10) | — | — | — | 936 | — |
| C.V. (%) | — | — | — | 10 | — |
| Triticale | | | | | |
| Trical 498 | 54 | 46.6 | 54 | 4,740 | — |
| TX 94D7575 | 36 | 45.9 | — | — | — |
| RSI 351 | 30 | 43.3 | — | 5,060 | — |
| Trical 2700 | — | — | — | 6,276 | 5,038 |
| Test Mean | 40 | 45.3 | 54 | 5,359 | 5,038 |
| L.S.D. (.10) | 16 | — | — | 939 | — |
| C.V. (%) | 23 | — | — | 10 | — |

TABLE 9. BLACK BELT RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, MARION JUNCTION

| Brand-Variety | Grain-only yield/acre ¹ | | | Forage-only yield/acre— | |
|----------------------------|------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| AR 494B-2-2 | — | — | — | 6,492 | — |
| GA 901146E15 | — | — | — | 6,642 | — |
| Pioneer 2684 | — | — | — | — | — |
| SS 520 | — | — | — | — | — |
| VA 96W-270 | — | — | — | — | — |
| AGS 2000 | — | — | — | — | — |
| AR 584A-3-1 | — | — | — | 6,618 | — |
| VA97W-206 | — | — | — | — | — |
| Jackson | — | — | — | — | — |
| Pioneer 26R38 | — | — | — | — | — |
| GA 91426E39 | — | — | — | 6,911 | — |
| Pioneer 26R24 | — | — | — | — | — |
| SABBE | — | — | — | — | — |
| Roberts | — | — | — | 7,608 | 5,348 |
| Test Mean | — | — | — | 6,854 | 5,348 |
| L.S.D. (.10) | — | — | — | 734 | — |
| C.V. (%) | — | — | — | 7 | — |
| Oats | | | | | |
| Harrison | — | — | — | 6,331 | 5,249 |
| LA 9339E45 | — | — | — | 6,584 | — |
| Ga Mitchell | — | — | — | 5,926 | 4,743 |
| Dallas | — | — | — | 6,029 | — |
| LA 90113AFL2-1-19-3-1 | — | — | — | 6,218 | — |
| Horizon 314 | — | — | — | 6,540 | 5,194 |
| Chapman | — | — | — | 6,174 | 5,424 |
| TX 96D011 | — | — | — | 4,983 | — |
| LA 604 | — | — | — | 5,333 | — |
| Secretariat LA 495 | — | — | — | 5,746 | — |
| Test Mean | — | — | — | 5,986 | 5,153 |
| L.S.D. (.10) | — | — | — | 494 | — |
| C.V. (%) | — | — | — | 6 | — |
| Rye | | | | | |
| Wren's Abruzzi AL | — | — | — | 9,008 | 5,166 |
| Bates | — | — | — | 8,219 | 5,001 |
| Wintergrazer 70 | — | — | — | 8,167 | 4,876 |
| Wren's 96 | — | — | — | 8,161 | 4,798 |
| 96P16M | — | — | — | 8,014 | — |
| SPI Rye | — | — | — | 7,745 | — |
| Oklon | — | — | — | 7,661 | 4,908 |
| 96RS1 | — | — | — | 7,628 | — |
| Carolina Early Grazer 2000 | — | — | — | 7,413 | — |
| FL-SYN-T | — | — | — | 7,276 | — |
| Carolina Grazer 2000 | — | — | — | 7,259 | — |
| Maton | — | — | — | 6,189 | 4,474 |
| Elbon | — | — | — | 5,874 | 4,527 |
| Test Mean | — | — | — | 7,586 | 4,821 |
| L.S.D. (.10) | — | — | — | 697 | — |
| C.V. (%) | — | — | — | 7 | — |

continued

TABLE 9, CONTINUED. BLACK BELT RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, MARION JUNCTION

| Brand-Variety | Grain-only yield/acre ¹ | | | Forage-only yield/acre— | |
|---------------------|------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Triticale | | | | | |
| Trical 498 | — | — | — | 7,416 | — |
| RSI351 | — | — | — | 8,800 | — |
| TX 94D7575 | — | — | — | — | — |
| Trical 2700 | — | — | — | 7,035 | 4,708 |
| Test Mean | — | — | — | 7,751 | 4,708 |
| L.S.D. (.10) | — | — | — | 992 | — |
| C.V. (%) | — | — | — | 7 | — |

¹ Grain-only test not reported due to weed infestation.

TABLE 10. SOUTH ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2001 average— | | | |
|--------------------------|--------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------|------------|----------------|----------------|
| | Grain only— | | | Forage only— | | | Lodg- ing | Height | 1/10 headed | Test wt. |
| | 2001 <i>bu.</i> | 2-yr. <i>bu.</i> | 3-yr. <i>bu.</i> | 2001 <i>lb.</i> | 2-yr. <i>lb.</i> | 3-yr. <i>lb.</i> | <i>pct.</i> | <i>in.</i> | <i>date</i> | <i>lb./bu.</i> |
| Wheat | | | | | | | | | | |
| AGS 2000 | 80 | 82 | 76 | — | — | — | 2 | 39 | 4—4 | 56.4 |
| SS 518 | 76 | 79 | 72 | — | — | — | 4 | 37 | 3-31 | 52.0 |
| Northrup King Coker 9835 | 75 | 71 | 68 | — | — | — | 1 | 36 | 4-5 | 52.9 |
| Pioneer 2684 | 76 | 74 | 67 | — | — | — | 0 | 37 | 3-31 | 57.9 |
| Northrup King 9663 | 64 | 64 | 61 | — | — | — | 2 | 42 | 4-4 | 55.3 |
| Jackson | 75 | 60 | 51 | — | — | — | 3 | 38 | 4-7 | 53.4 |
| Roberts | 63 | 56 | 50 | 5,200 | 4,982 | 5,450 | 3 | 35 | 3-31 | 53.3 |
| Pioneer 26R38 | 80 | — | — | — | — | — | 0 | 42 | 4-2 | 54.7 |
| Pioneer 26R61 | 76 | 76 | — | — | — | — | 0 | 40 | 4-3 | 53.5 |
| VA97W-206 | 73 | — | — | — | — | — | 0 | 36 | 4-4 | 48.4 |
| VA 96W-270 | 73 | 68 | — | — | — | — | 0 | 38 | 3-29 | 53.0 |
| SS 520 | 70 | 60 | — | — | — | — | 0 | 39 | 3-30 | 53.0 |
| GA 91426E39 | 69 | — | — | 5,267 | — | — | 3 | 37 | 3-31 | 54.7 |
| GA 901146E15 | 68 | 68 | — | 4,861 | — | — | 0 | 34 | 3-31 | 50.3 |
| USG 3209 | 68 | — | — | — | — | — | 0 | 34 | 3-30 | 53.0 |
| Test Mean | 72 | 69 | 64 | 5,109 | 4,982 | 5,450 | 1 | 38 | — | 53.4 |
| L.S.D. (.10) | 14 | 9 | 7 | 596 | — | — | — | — | — | — |
| C.V. (%) | 15 | 10 | 8 | 8 | — | — | — | — | — | — |
| Oats | | | | | | | | | | |
| Horizon 314 | 119 | 106 | 99 | 6,414 | 5,781 | 6,571 | 30 | 44 | 4-12 | 29.8 |
| Harrison | 116 | 100 | 90 | 6,214 | 5,723 | 6,192 | 9 | 46 | 4-11 | 32.3 |
| Chapman | 122 | 100 | 87 | 5,565 | 5,224 | 5,599 | 5 | 40 | 4-7 | 28.7 |
| Ga Mitchell | 125 | 85 | 81 | 6,241 | 5,665 | 6,002 | 8 | 40 | 4-11 | 31.8 |
| LA90113AFL2-1-19-3-1 | 122 | — | — | 6,019 | — | — | 19 | 41 | 4-10 | 29.2 |
| LA 9339E45 | 118 | — | — | 5,777 | — | — | 22 | 48 | 4-15 | 30.5 |
| TX 98D666 | 114 | — | — | 5,513 | — | — | 39 | 44 | 4-9 | 32.7 |
| LA 604 | 109 | — | — | 5,809 | — | — | 12 | 42 | 4-12 | 30.1 |
| Secretariat LA 495 | — | — | — | 6,351 | 5,904 | 6,321 | — | — | — | — |
| Test Mean | 118 | 98 | 89 | 5,989 | 5,660 | 6,137 | 18 | 43 | — | 30.6 |
| L.S.D. (.10) | 16 | 21 | 18 | 596 | 413 | 778 | — | — | — | — |
| C.V. (%) | 10 | 15 | 14 | 7 | 5 | 9 | — | — | — | — |

continued

TABLE 10, CONTINUED. SOUTH ALABAMA REGIONAL AVERAGES OF SMALL GRAIN VARIETY PERFORMANCE

| Brand-Variety | Average yield/ac. | | | Average yield/ac. | | | 2001 average | | | |
|---------------------|-------------------|--------------|--------------|-------------------|--------------|--------------|----------------------|---------------|------------------------|---------------------|
| | Grain only | | | Forage only | | | Lodg- ing pct. | Height in. | 1/10 date headed | Test wt. lb./bu. |
| | 2001 bu. | 2-yr. bu. | 3-yr. bu. | 2001 lb. | 2-yr. lb. | 3-yr. lb. | | | | |
| Rye | | | | | | | | | | |
| Wren's 96 | — | — | — | 6,143 | 6,364 | 6,800 | — | — | — | — |
| Bates | — | — | — | 6,587 | 6,267 | 6,793 | — | — | — | — |
| Oklon | — | — | — | 6,788 | 6,265 | 6,745 | — | — | — | — |
| Elbon | — | — | — | 6,764 | 6,208 | 6,676 | — | — | — | — |
| Maton | — | — | — | 6,225 | 6,200 | 6,621 | — | — | — | — |
| Wintergrazer 70 | — | — | — | 6,199 | 6,176 | 6,584 | — | — | — | — |
| Wren's Abruzzi AL | — | — | — | 5,788 | 5,677 | 6,032 | — | — | — | — |
| SPI Rye | — | — | — | 6,537 | 6,327 | — | — | — | — | — |
| 96RS1 | — | — | — | 6,141 | — | — | — | — | — | — |
| 96P16M | — | — | — | 5,612 | — | — | — | — | — | — |
| FL-SYN-T | — | — | — | 5,206 | — | — | — | — | — | — |
| Test Mean | — | — | — | 6,181 | 6,186 | 6,607 | — | — | — | — |
| L.S.D. (.10) | — | — | — | 786 | 850 | 792 | — | — | — | — |
| C.V. (%) | — | — | — | 9 | 10 | 9 | — | — | — | — |
| Triticale | | | | | | | | | | |
| Trical 498 | 79 | 90 | 81 | 4,644 | 4,310 | — | 1 | 42 | 3-26 | 44.7 |
| RSI 351 | 49 | — | — | 5,314 | — | — | 0 | 38 | 4-7 | 40.3 |
| Trical 2700 | — | — | — | 6,134 | 5,683 | 5,850 | — | — | — | — |
| Test Mean | 64 | 90 | 81 | 5,364 | 4,997 | 5,850 | 1 | 40 | — | 42.5 |
| L.S.D. (.10) | 7 | — | — | 596 | 533 | — | — | — | — | — |
| C.V. (%) | 7 | — | — | 8 | 7 | — | — | — | — | — |

TABLE 11. MONROEVILLE EXPERIMENT FIELD SMALL GRAIN TRIAL, MONROEVILLE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|--------------------------|-----------------------|--------------------|------------------|------------------------|------------------|
| | 2001 bu. | Test wt. lb./bu | 3-yr. av. bu. | 2001 lb. | 3-yr. av. lb. |
| Wheat | | | | | |
| Pioneer 26R61 | 99 | 57.0 | — | — | — |
| AGS 2000 | 98 | 56.5 | 97 | — | — |
| Jackson | 97 | 55.1 | 76 | — | — |
| GA 901146E15 | 95 | 53.4 | — | 4,890 | — |
| Pioneer 26R38 | 95 | 56.2 | — | — | — |
| VA97W-206 | 95 | 51.0 | — | — | — |
| SS 518 | 93 | 53.2 | 88 | — | — |
| Northrup King Coker 9835 | 91 | 52.1 | 88 | — | — |
| Pioneer 2684 | 88 | 56.6 | 88 | — | — |
| VA 96W-270 | 80 | 53.7 | — | — | — |
| Roberts | 80 | 53.4 | 69 | 4,895 | 5,224 |
| SS 520 | 79 | 55.0 | — | — | — |
| GA 91426E39 | 77 | 55.4 | — | 5,295 | — |
| USG 3209 | 75 | 53.9 | — | — | — |
| Northrup King 9663 | 68 | 55.4 | 69 | — | — |
| Test Mean | 87 | 54.5 | 82 | 5,027 | 5,224 |
| L.S.D. (.10) | 20 | — | — | 266 | — |
| C.V. (%) | 17 | — | — | 3 | — |

continued

TABLE 11, CONTINUED. MONROEVILLE EXPERIMENT FIELD SMALL GRAIN TRIAL, MONROEVILLE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|-----------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Oats | | | | | |
| LA 9339E45 | 130 | 29.9 | — | 5,441 | — |
| Harrison | 125 | 32.3 | 110 | 5,844 | 5,190 |
| TX 98D666 | 125 | 33.6 | — | 5,019 | — |
| Ga Mitchell | 125 | 34.2 | 87 | 5,928 | 5,470 |
| LA 90113AFL2-1-19-3-1 | 123 | 29.0 | — | 5,676 | — |
| Chapman | 122 | 30.4 | 98 | 5,388 | 5,187 |
| LA 604 | 116 | 30.5 | — | 5,076 | — |
| Horizon 314 | 114 | 29.3 | 92 | 6,066 | 5,571 |
| Secretariat LA 495 | — | — | — | 5,923 | 5,415 |
| Test Mean | 122 | 31.2 | 97 | 5,596 | 5,367 |
| L.S.D. (.10) | 13 | — | — | 391 | — |
| C.V. (%) | 7 | — | — | 5 | — |
| Rye | | | | | |
| Elbon | — | — | — | 6,726 | 6,220 |
| Maton | — | — | — | 6,540 | 5,921 |
| Oklon | — | — | — | 6,346 | 6,185 |
| Bates | — | — | — | 6,242 | 6,230 |
| SPI Rye | — | — | — | 6,114 | — |
| Wintergrazer 70 | — | — | — | 5,661 | 6,140 |
| 96RS1 | — | — | — | 5,251 | — |
| 96P16M | — | — | — | 5,117 | — |
| Wren's 96 | — | — | — | 5,106 | 6,343 |
| Wren's Abruzzi AL | — | — | — | 4,629 | 5,414 |
| FL-SYN-T | — | — | — | 4,325 | — |
| Test Mean | — | — | — | 5,641 | 6,065 |
| L.S.D. (.10) | — | — | — | 538 | — |
| C.V. (%) | — | — | — | 7 | — |
| Triticale | | | | | |
| Trical 498 | 103 | 46.6 | 106 | 4,112 | — |
| RSI351 | 78 | 45.3 | — | 4,587 | — |
| Trical 2700 | — | — | — | 6,462 | 5,661 |
| Test Mean | 90 | 46.0 | 106 | 5,054 | 5,661 |
| L.S.D. (.10) | 9 | — | — | 770 | — |
| C.V. (%) | 4 | — | — | 9 | — |

TABLE 12. WIREGRASS RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, HEADLAND

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|--------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| Pioneer 26R38 | 56 | 50.0 | — | — | — |
| VA 96W-270 | 54 | 49.2 | — | — | — |
| GA 91426E39 | 52 | 50.5 | — | 4,070 | — |
| Northrup King Coker 9835 | 51 | 49.7 | 50 | — | — |
| Pioneer 2684 | 51 | 56.0 | 50 | — | — |
| SS 518 | 51 | 46.6 | 56 | — | — |
| AGS 2000 | 50 | 54.6 | 57 | — | — |
| Pioneer 26R61 | 46 | 44.1 | — | — | — |
| SS 520 | 45 | 45.9 | — | — | — |
| Jackson | 44 | 48.0 | 34 | — | — |
| USG 3209 | 43 | 47.8 | — | — | — |
| GA 901146E15 | 42 | 44.8 | — | 3,730 | — |
| Northrup King 9663 | 42 | 50.5 | 45 | — | — |
| VA97W-206 | 41 | 38.5 | — | — | — |
| Roberts | 35 | 51.0 | 41 | 4,555 | 5,722 |
| Test Mean | 47 | 48.5 | 48 | 4,118 | 5,722 |
| L.S.D. (.10) | 15 | — | — | 759 | — |
| C.V. (%) | 22 | — | — | 11 | — |
| Oats | | | | | |
| Chapman | 103 | 27.7 | 77 | 4,015 | 5,399 |
| Ga Mitchell | 103 | 30.0 | 80 | 5,322 | 5,858 |
| TX 98D666 | 83 | 32.2 | — | 4,176 | — |
| LA 90113AFL2-1-19-3-1 | 80 | 30.7 | — | 4,396 | — |
| Horizon 314 | 80 | 28.5 | 78 | 5,034 | 6,182 |
| LA 604 | 79 | 29.2 | — | 4,314 | — |
| Harrison | 78 | 31.5 | 73 | 5,010 | 6,230 |
| LA 9339E45 | 77 | 29.5 | — | 5,125 | — |
| Secretariat LA 495 | — | — | — | 4,694 | 6,193 |
| Test Mean | 86 | 29.9 | 77 | 4,676 | 5,972 |
| L.S.D. (.10) | 21 | — | — | 547 | — |
| C.V. (%) | 17 | — | — | 8 | — |
| Rye | | | | | |
| SPI Rye | — | — | — | 7,066 | — |
| Wren's 96 | — | — | — | 6,981 | 7,726 |
| Oklon | — | — | — | 6,942 | 7,577 |
| Wren's Abruzzi AL | — | — | — | 6,798 | 7,022 |
| Wintergrazer 70 | — | — | — | 6,608 | 7,433 |
| Bates | — | — | — | 6,571 | 7,736 |
| 96RS1 | — | — | — | 6,526 | — |
| Elbon | — | — | — | 6,360 | 7,218 |
| 96P16M | — | — | — | 6,060 | — |
| FL-SYN-T | — | — | — | 5,839 | — |
| Maton | — | — | — | 5,254 | 7,596 |
| Test Mean | — | — | — | 6,455 | 7,473 |
| L.S.D. (.10) | — | — | — | 959 | — |
| C.V. (%) | — | — | — | 11 | — |
| Triticale | | | | | |
| RSI 351 | 47 | 34.4 | — | 5,490 | — |
| Trical 498 | 42 | 39.4 | 59 | 3,753 | — |
| Trical 2700 | — | — | — | 5,413 | 6,128 |
| Test Mean | 45 | 36.9 | 59 | 4,886 | 6,128 |
| L.S.D. (.10) | 15 | — | — | 716 | — |
| C.V. (%) | 14 | — | — | 8 | — |

TABLE 13. GULF COAST RESEARCH AND EXTENSION CENTER SMALL GRAIN TRIAL, FAIRHOPE

| Brand-Variety | Grain-only yield/acre | | | Forage-only yield/acre | |
|--------------------------|-----------------------|---------------------------|-------------------------|------------------------|-------------------------|
| | 2001 <i>bu.</i> | Test wt. <i>lb./bu</i> | 3-yr. av. <i>bu.</i> | 2001 <i>lb.</i> | 3-yr. av. <i>lb.</i> |
| Wheat | | | | | |
| AGS 2000 | 93 | 58.0 | 74 | — | — |
| Pioneer 2684 | 89 | 61.2 | 65 | — | — |
| Pioneer 26R38 | 87 | 58.0 | — | — | — |
| SS 520 | 86 | 58.0 | — | — | — |
| USG 3209 | 85 | 57.3 | — | — | — |
| Northrup King Coker 9835 | 85 | 56.9 | 66 | — | — |
| SS 518 | 84 | 56.1 | 72 | — | — |
| VA 96W-270 | 84 | 56.0 | — | — | — |
| VA97W-206 | 84 | 55.6 | — | — | — |
| Jackson | 83 | 57.0 | 42 | — | — |
| Northrup King 9663 | 81 | 60.1 | 68 | — | — |
| Pioneer 26R61 | 81 | 59.5 | — | — | — |
| GA 91426E39 | 79 | 58.3 | — | 6,435 | — |
| Roberts | 74 | 55.5 | 42 | 6,150 | 5,405 |
| GA 901146E15 | 67 | 52.7 | — | 5,963 | — |
| Test Mean | 83 | 57.3 | 61 | 6,182 | 5,405 |
| L.S.D. (.10) | 4 | — | — | 936 | — |
| C.V. (%) | 4 | — | — | 9 | — |
| Oats | | | | | |
| LA 90113AFL2-1-19-3-1 | 164 | 27.9 | — | 7,985 | — |
| Horizon 314 | 164 | 31.7 | 129 | 8,142 | 7,961 |
| Ga Mitchell | 148 | 31.3 | 75 | 7,474 | 6,678 |
| LA 9339E45 | 145 | 32.2 | — | 6,766 | — |
| Harrison | 143 | 33.2 | 86 | 7,789 | 7,156 |
| Chapman | 142 | 28.1 | 87 | 7,291 | 6,212 |
| TX 98D666 | 135 | 32.2 | — | 7,343 | — |
| LA 604 | 131 | 30.5 | — | 8,038 | — |
| Secretariat LA 495 | — | — | — | 8,435 | 7,355 |
| Test Mean | 147 | 30.9 | 94 | 7,696 | 7,072 |
| L.S.D. (.10) | 15 | — | — | 837 | — |
| C.V. (%) | 7 | — | — | 8 | — |
| Rye | | | | | |
| Elbon | — | — | — | 7,205 | 6,589 |
| Oklon | — | — | — | 7,077 | 6,473 |
| Bates | — | — | — | 6,948 | 6,412 |
| Maton | — | — | — | 6,881 | 6,346 |
| 96RS1 | — | — | — | 6,646 | — |
| SPI Rye | — | — | — | 6,430 | — |
| Wren's 96 | — | — | — | 6,342 | 6,332 |
| Wintergrazer 70 | — | — | — | 6,327 | 6,180 |
| Wren's Abruzzi AL | — | — | — | 5,938 | 5,661 |
| 96P16M | — | — | — | 5,659 | — |
| FL-SYN-T | — | — | — | 5,455 | — |
| Test Mean | — | — | — | 6,446 | 6,285 |
| L.S.D. (.10) | — | — | — | 876 | — |
| C.V. (%) | — | — | — | 10 | — |
| Triticale | | | | | |
| Trical 498 | 90 | 48.2 | 78 | 6,067 | — |
| RSI 351 | 22 | 41.1 | — | 5,866 | — |
| Trical 2700 | — | — | — | 6,527 | 5,761 |
| Test Mean | 56 | 44.7 | 78 | 6,153 | 5,761 |
| L.S.D. (.10) | 9 | — | — | 649 | — |
| C.V. (%) | 6 | — | — | 6 | — |

TABLE 14. DISEASE RATINGS: SEPTORIA BLOTCH, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 3.2 | 3.2 | 3.8 |
| AR 494B-2-2 | 3.3 | 3.0 | — |
| AR 584-3-1 | 2.9 | 2.8 | — |
| GA 901146E15 | 3.0 | 3.6 | 4.3 |
| GA 91426E39 | 2.9 | 3.8 | 4.2 |
| Jackson | 3.0 | 3.5 | 3.6 |
| NK BL940582 | 3.3 | — | — |
| NK BL940812 | 2.6 | — | — |
| NK Coker 9025 | 3.0 | — | — |
| NK Coker 9704 | 3.4 | — | — |
| NK Coker 9835 | — | — | 3.3 |
| Northrup King 9663 | 3.0 | — | 3.3 |
| Northrup King Coker 9543 | 3.3 | — | — |
| Pioneer 2684 | 2.8 | 3.2 | 4.1 |
| Pioneer 26R24 | 2.9 | 3.7 | — |
| Pioneer 26R38 | — | 2.9 | 3.6 |
| Pioneer 26R61 | — | — | 3.6 |
| Pioneer XW586 | 3.1 | — | 3.6 |
| Pioneer XW692 | 2.3 | — | — |
| Roberts | 3.0 | 3.2 | 3.5 |
| SABBE | 3.2 | 4.0 | — |
| SS 518 | 3.2 | — | 3.6 |
| SS 522 | 2.8 | — | — |
| SS 535 | 2.8 | — | — |
| USG 3209 | 3.0 | — | — |
| VA 96W-158 | 3.0 | 3.4 | 4.1 |
| VA 96W-270 | 3.1 | 2.7 | 3.4 |
| VA97W-206 | 3.0 | 2.8 | 3.4 |

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

TABLE 15. DISEASE RATINGS: LEAF RUST, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 0.0 | 0.4 | 0.7 |
| AR 494B-2-2 | 0.2 | 1.5 | — |
| AR 584-3-1 | 0.0 | 0.7 | — |
| GA 901146E15 | 0.0 | 0.5 | 0.4 |
| GA 91426E39 | 0.0 | 0.0 | 0.0 |
| Jackson | 0.0 | 3.3 | 2.1 |
| NK BL940582 | 0.0 | — | — |
| NK BL940812 | 0.0 | — | — |
| NK Coker 9025 | 0.2 | — | — |
| NK Coker 9704 | 0.0 | — | — |
| NK Coker 9835 | — | — | 3.4 |
| Northrup King 9663 | 0.0 | — | 1.5 |
| Northrup King Coker 9543 | 0.3 | — | — |
| Pioneer 2684 | 0.0 | 1.8 | 1.9 |
| Pioneer 26R24 | 0.0 | 1.0 | — |
| Pioneer 26R38 | — | 1.8 | 1.3 |
| Pioneer 26R61 | — | — | 0.6 |
| Pioneer XW586 | 0.2 | — | 1.8 |
| Pioneer XW692 | 0.0 | — | — |
| Roberts | 0.0 | 1.6 | 1.2 |
| SABBE | 0.0 | 1.2 | — |
| SS 518 | 0.0 | — | 1.0 |
| SS 522 | 0.0 | — | — |
| SS 535 | 0.0 | — | — |
| USG 3209 | 0.0 | — | — |
| VA 96W-158 | 0.0 | 2.0 | 1.2 |
| VA 96W-270 | 0.2 | 1.0 | 1.2 |
| VA97W-206 | 0.0 | 1.3 | 1.4 |

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

TABLE 16. DISEASE RATINGS: POWDERY MILDEW, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 1.8 | 0.0 | 0.0 |
| AR 494B-2-2 | 2.0 | 0.0 | — |
| AR 584-3-1 | 2.2 | 0.0 | — |
| GA 901146E15 | 2.0 | 0.0 | 0.0 |
| GA 91426E39 | 1.7 | 0.0 | 0.3 |
| Jackson | 2.7 | 0.0 | 0.0 |
| NK BL940582 | 2.3 | — | — |
| NK BL940812 | 2.0 | — | — |
| NK Coker 9025 | 2.8 | — | — |
| NK Coker 9704 | 2.2 | — | — |
| NK Coker 9835 | — | — | 0.3 |
| Northrup King 9663 | 2.3 | — | 0.4 |
| Northrup King Coker 9543 | 2.5 | — | — |
| Pioneer 2684 | 2.3 | 0.0 | 0.2 |
| Pioneer 26R24 | 1.8 | 0.0 | — |
| Pioneer 26R38 | — | 0.0 | 0.0 |
| Pioneer 26R61 | — | — | 0.0 |
| Pioneer XW586 | 1.8 | — | 0.0 |
| Pioneer XW692 | 1.5 | — | — |
| Roberts | 2.0 | 0.0 | 0.0 |
| SABBE | 2.0 | 0.0 | — |
| SS 518 | 0.8 | — | 0.0 |
| SS 522 | 2.7 | — | — |
| SS 535 | 2.3 | — | — |
| USG 3209 | 0.9 | — | — |
| VA 96W-158 | 1.2 | 0.0 | 0.0 |
| VA 96W-270 | 1.0 | 0.0 | 0.0 |
| VA97W-206 | 1.7 | 0.0 | 0.0 |

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

TABLE 17. DISEASE RATINGS: BARLEY YELLOW DWARF, WHEAT¹

| Brand-Variety | Northern Alabama | Central Alabama | Southern Alabama |
|--------------------------|------------------|-----------------|------------------|
| AGS 2000 | 64.2 | 34.2 | 35.6 |
| AR 494B-2-2 | 59.2 | 19.3 | — |
| AR 584-3-1 | 50.0 | 35.0 | — |
| GA 901146E15 | 56.7 | 35.8 | 62.2 |
| GA 91426E39 | 25.8 | 36.7 | 58.9 |
| Jackson | 80.0 | 44.2 | 38.3 |
| NK BL940582 | 76.7 | — | — |
| NK BL940812 | 58.3 | — | — |
| NK Coker 9025 | 70.7 | — | — |
| NK Coker 9704 | 58.3 | — | — |
| NK Coker 9835 | — | — | 47.8 |
| Northrup King 9663 | 60.0 | — | 33.3 |
| Northrup King Coker 9543 | 66.7 | — | — |
| Pioneer 2684 | 32.5 | 41.8 | 72.2 |
| Pioneer 26R24 | 60.8 | 29.3 | — |
| Pioneer 26R38 | — | 33.2 | 55.6 |
| Pioneer 26R61 | — | — | 42.2 |
| Pioneer XW586 | 51.7 | — | 55.6 |
| Pioneer XW692 | 40.8 | — | — |
| Roberts | 64.2 | 23.5 | 52.2 |
| SABBE | 70.0 | 34.2 | — |
| SS 518 | 59.2 | — | 37.8 |
| SS 522 | 74.2 | — | — |
| SS 535 | 27.5 | — | — |
| USG 3209 | 49.2 | — | — |
| VA 96W-158 | 62.5 | 57.5 | 81.1 |
| VA 96W-270 | 48.3 | 32.5 | 48.9 |
| VA97W-206 | 63.3 | 41.7 | 41.7 |

¹Percent symptomatic plants.

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 | 26.7 |
| Dallas | 0.9 | 0.0 | 20.8 |
| GA Mitchell | 1.0 | 0.0 | 37.5 |
| Harrison | 0.9 | 0.0 | 29.2 |
| Horizon 314 | 1.0 | 0.0 | 30.0 |
| LA 604 | 1.3 | 0.0 | 35.0 |
| LA 90113AFL2-1-19-3-1 | 1.6 | 0.0 | 38.3 |
| LA 9339E45 | 1.1 | 0.0 | 31.7 |
| TX 96D011 | 0.8 | 0.0 | 26.7 |
| TX 96D070 | 0.9 | 0.0 | 27.5 |
| Central Alabama | | | |
| Chapman | 3.3 | 0.0 | 50.0 |
| Dallas | 3.2 | 0.0 | 46.7 |
| GA Mitchell | 3.3 | 0.0 | 50.8 |
| Harrison | 2.9 | 0.0 | 44.3 |
| Horizon 314 | 3.2 | 0.0 | 38.5 |
| LA 604 | 2.9 | 0.0 | 40.3 |
| LA 90113AFL2-1-19-3-1 | 3.0 | 0.0 | 41.0 |
| LA 9339E45 | 3.1 | 0.0 | 39.2 |
| Secretariat LA 495 | 3.0 | 0.0 | 37.0 |
| TX 96D011 | 1.8 | 0.0 | 33.5 |
| Southern Alabama | | | |
| Chapman | 1.8 | 1.0 | 38.9 |
| GA Mitchell | 2.8 | 1.0 | 35.0 |
| Harrison | 2.4 | 1.3 | 23.3 |
| Horizon 314 | 2.8 | 0.0 | 29.4 |
| LA 604 | 1.9 | 0.0 | 17.2 |
| LA 90113AFL2-1-19-3-1 | 3.0 | 0.0 | 35.0 |
| LA 9339E45 | 2.3 | 0.0 | 28.3 |
| TX 98D666 | 2.7 | 0.0 | 37.8 |

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 | | | |
| RSI351 | 2.2 | 0.0 | 30.8 |
| Trical 498 | 2.0 | 0.0 | 25.0 |
| TX 94D7575 | 2.2 | 0.0 | 30.0 |
| Central Alabama | | | |
| RSI351 | 3.3 | 0.0 | 42.1 |
| Trical 498 | 3.0 | 0.0 | 36.7 |
| TX 94D7575 | 2.5 | 0.0 | 27.8 |
| Southern Alabama | | | |
| RSI351 | 4.4 | 0.0 | 61.1 |
| Trical 498 | 4.3 | 0.3 | 61.1 |

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

TABLE 20. DISEASE RATINGS: BARLEY

| Brand-Variety | Septoria blotch ¹ | Spot blotch ¹ | Net blotch ¹ | Barley scald | Barley yellow dwarf ² |
|---------------|------------------------------|--------------------------|-------------------------|--------------|----------------------------------|
| Callao | 2.5 | 3.1 | 1.5 | 0.3 | 71.7 |
| Nomini | 2.2 | 2.8 | 0.0 | 0.2 | 61.7 |
| Starling | 1.8 | 2.5 | 0.3 | 0.7 | 71.7 |
| TX 94D632 | 2.2 | 2.8 | 1.0 | 0.2 | 70.0 |
| VA 96-44-304 | 2.3 | 3.2 | 1.2 | 0.2 | 73.3 |
| VA 96-44-321 | 2.2 | 2.5 | 0.5 | 0.5 | 62.5 |
| VA 96B-248 | 2.2 | 2.8 | 1.3 | 0.8 | 60.0 |
| VA 97B-142 | 2.3 | 3.3 | 0.8 | 0.3 | 65.0 |
| VA 97B-176 | 2.2 | 3.2 | 1.2 | 0.2 | 61.7 |
| VA 97B-178 | 2.5 | 2.3 | 1.0 | 0.2 | 73.3 |
| VA 97B-388 | 2.0 | 2.7 | 0.5 | 0.2 | 63.3 |

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

²Percent symptomatic plants.

Sources of Seed

Wheat

| | |
|-------------------------------------------------|------------------------------------------------------------|
| AR 494B-2-2* | University of Arkansas |
| AR 584A-3-1* | Fayetteville, Arkansas |
| GA 91426E39*, GA 901146E15* | Univ. of Georgia, Georgia Station Griffin, Georgia |
| Roberts | |
| Coker (all varieties, brands, and hybrids) | Syngenta Seeds 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 | UniSouth Genetics, Inc. Nashville, Tennessee |

Barley

| | |
|-----------------------------|----------------------------------------------------|
| TX 94D632* | Texas A&M University Dallas, Texas |
| Callao, Nomini, Starling | Virginia Polytechnic Inst. Blacksburg, Virginia |

Triticale

| | |
|----------------------------------------|-----------------------------------------|
| Trical 498, Trical 2700 RSI Exp351* | Resource Seeds, Inc. Union, Kentucky |
|----------------------------------------|-----------------------------------------|

Oats

| | |
|---------------------------------------|-------------------------------------------------------|
| Chapman, Horizon 314 | Univ. of Florida, Agric. Res. Ctr. Quincy, Florida |
| Ga Mitchell | Alabama Crop Improvement Assn. Auburn, Alabama |
| Harrison | Alabama Farmer's Coop Decatur, Alabama |
| TX 96D011*, TX 98D666* | Texas A&M University Dallas, Texas |
| LA 90112AFL2-1-19-3-1* LA 9339E45* | Louisiana State University Baton Rouge, Louisiana |
| LA 604 | Arkansas County Seed Co. Stuttgart, Arkansas |
| Secretariat LA 495 | Terral Seed, Inc. Lake Providence, Louisiana |

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, 96RSI* 96P16M* | Univ. of Georgia, Georgia Station Griffin, Georgia |
| Wintergrazer 70, SPI Rye | Pennington Seed, Inc. Madison, Georgia |
| Carolina Grazer 2000 Carolina Early Grazer 2000 | Gainey Grain, Inc. Laurel Hill, North Carolina |

* Experimental line; not yet commercially available.