SEPTEMBER 1968 CIRCULAR 162

# 1968 SMALL GRAIN VARIETY REPORT

AGRICULTURAL EXPERIMENT STATION
AUBURN UNIVERSITY

E. V. Smith, *Director* Auburn, Alabama

## VARIETIES RECOMMENDED for FORAGE and GRAIN

(in order of 3-year average total feed production)

### NORTHERN ALABAMA

| Oats | Wheat | Rye | Barley |
|---|---|---|---|
| Carolee | Coker 65-20 | Elbon | Colonial 2 |
| Moregrain 211 | Ga. 1123 | Explorer | Wade |
| Moregrain | Wakeland | Bonel[1] | Dayton |
| Roanoke | Blue Boy[1] | | |
| Coker 242 | | | |
| Nora[1] | | | |
| Sumter 3[1] | | | |

### CENTRAL ALABAMA

| Oats | Wheat | Rye | Barley |
|---|---|---|---|
| Carolee | Coker 65-20 | Wren's Abruzzi | Colonial 2 |
| Ora | Wakeland | Explorer | Barsoy[1] |
| Roanoke | Ga. 1123 | Elbon | |
| Moregrain 211 | | Bonel[1] | |
| Moregrain | | | |
| Coker 242 | | | |

### SOUTHERN ALABAMA

| Oats | Wheat | Rye |
|---|---|---|
| Fla. 500 | Wakeland | Weser |
| Moregrain 211 | Ga. 1123 | Wren's Abruzzi |
| Moregrain | Coker 65-20 | |
| Carolee | | |
| Coker 242 | | |
| Suregrain[2] | | |
| Sumter 3[1] | | |

## VARIETIES RECOMMENDED for GRAIN ONLY

(in order of 3-year average yield)

### NORTHERN ALABAMA

| Oats | Wheat | Rye | Barley |
|---|---|---|---|
| Carolee | Ga. 1123 | Elbon | Wade |
| Coker 242 | Coker 65-20 | Explorer | Dayton |
| Moregrain | Monon | Bonel[1] | Colonial 2[2] |
| Roanoke | Knox 62[2] | | |
| Nora[1] | Blue Boy[1] | | |

### CENTRAL ALABAMA

| Oats | Wheat | Rye | Barley |
|---|---|---|---|
| Carolee | Coker 65-20 | Weser | Colonial 2 |
| Coker 242 | Ga. 1123 | Explorer | |
| Ora | Monon | Wren's Abruzzi | |
| Moregrain | Wakeland[2] | Elbon[2] | |
| Roanoke | | Bonel[1] | |

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SOUTHERN ALABAMA

| Oats | Wheat | Rye |
|---|---|---|
| Fla. 500 | Wakeland | Weser |
| Moregrain 211 | Coker 65-20 | Wren's Abruzzi |
| Moregrain | Ga. 1123 | |
| Coker 242 | | |
| Suregrain | | |

[1] Trial basis.
[2] If present trends continue, this variety will be removed from the recommended list next year for this purpose in this region.

# 1968 Small Grain Variety Report

DAVID TEEM, *Instructor of Agronomy and Soils*

OAT, WHEAT, BARLEY, AND RYE varieties were tested during the 1967-68 season by the Auburn University Agricultural Experiment Station at 14 locations in the State.

Since small grains are grown for both forage and grain production, two series of plots are used in the testing program. One series is managed to determine grain production only. The other series is managed to determine fall and early winter forage yield and the effect of its removal on subsequent grain production of each variety.

Cultural practices used in the tests are given in Table 1. Varietal reactions to diseases are presented in Table 2. Table 3 shows the amount of feed produced by several varieties under the two systems of management. Average values for yield, date 1/10 headed, height, and lodging by regions for the unclipped tests are given in Table 4. Similar data for the clipped tests are presented in Table 5. Sources of seed used in the tests are listed on page 22.

Variety recommendations are made for two situations: (1) grain production only, and (2) forage and grain production combined. Variety recommendations in this report are for general regions of the State. They are based on performance at several locations in each region. Recommendations are made on the basis of the last 3 years' data; however, results over a longer period of time are considered when available.

Evaluations of disease resistance were made on all entries in the 1967-68 tests. In general, disease incidence and number were low on small grains throughout the State during the 1967-68 growing season; however, rusts were damaging on most wheat and some oat varieties in the southern region of the State.

Several diseases occur on small grains, but only those that are most common and damaging in Alabama are included here. Except where noted these reactions are averages obtained over

a period of 2 to 5 years from various locations in the State. A rating of *R*, or resistant, means that the variety has thus far appeared unaffected or only slightly so by the particular disease. A rating of S means that the variety is susceptible to the extent that appreciable damage has occurred when conditions were favorable for disease occurrence and development. Disease data was compiled by Dr. Robert T. Gudauskas, Department of Botany and Plant Pathology.

Location of the tests and staff members in charge are as follows:

NORTHERN ALABAMA:

Experiment Field, Alexandria – F. T. Glaze, Superintendent
Sand Mountain Substation, Crossville – S. E. Gissendanner, Superintendent
Tennessee Valley Substation, Belle Mina – J. K. Boseck, Superintendent
Upper Coastal Plain Substation, Winfield – W. W. Cotney, Superintendent

CENTRAL ALABAMA:

Piedmont Substation, Camp Hill – E. L. Mayton, Superintendent
Agronomy Farm, Auburn – E. M. Evans, in charge
Plant Breeding Unit, Tallassee – J. W. Langford, Superintendent
Experiment Field, Prattville – F. E. Bertram, Superintendent
Black Belt Substation, Marion Junction – L. A. Smith, Superintendent

SOUTHERN ALABAMA:

Lower Coastal Plain Substation, Camden – V. L. Brown, Superintendent
Experiment Field, Monroeville – J. W. Richardson, Superintendent
Experiment Field, Brewton – J. W. Richardson, Superintendent
Gulf Coast Substation, Fairhope – H. F. Yates, Superintendent
Wiregrass Substation, Headland – C. A. Brogden, Superintendent

## DISCUSSION of VARIETIES

The varieties tested represent the better varieties available in the particular region. Each year, promising new varieties are added to the tests and testing of inferior varieties is discontinued. Following is a brief description of the characteristics of all varieties tested during the 1967-68 season. The varieties are listed alphabetically.

### Oats

*Bruce* is a medium height, medium- to late-maturing variety with good lodging resistance. Its yields have been low the two years it has been tested.

*Carolee* is medium in height, late maturing and has fair to good lodging resistance. It has produced excellent yields of forage and grain in all regions in Alabama.

*Compact* is a new release from the University of Kentucky and was tested for the first time last year. Last season it was late maturing and medium in height.

*Coker 242* is medium in height, medium to late maturing and has good lodging resistance. Its yields have been fair to good in all three regions.

*Coker 66-22* is a new release by the Coker Pedigreed Seed Company. Last season it was tall, late maturing, and had good lodging resistance.

*Coker 66-17* is a new release by the Coker Pedigreed Seed Company. Last season it was medium in height, early to medium in maturity and showed good lodging resistance.

*Florida 500* is medium in height, early to medium in maturity, and has good lodging resistance. It has produced very good forage yields and grain yields in southern Alabama.

*Florida 501* is a newly released selection from Florida 500. This variety is very similar to Florida 500 but should be more uniform in maturity.

*Moregrain* is a short, early maturity variety with good lodging resistance. It has produced good forage and grain yields in all three regions.

*Moregrain 211* is a selection from and is very similar to Moregrain. It has slightly outyielded Moregrain in all three regions, but has also lodged more than Moregrain.

*Nora* is a recent release by the Arkansas Experiment Station. It is a sister selection to Ora with more winter-hardiness. It is

medium in height, medium-late in maturity and has good lodging resistance.

*Ora* is medium in height, early to medium in maturity and has good lodging resistance. Grain yields have been good but forage yields low.

*Roanoke* is tall, late maturing with good lodging resistance. Total feed production has been good in central Alabama.

*Sumter 3* is a selection from Sumter. It is medium in height, medium in maturity with fair lodging resistance. Forage production has been good for the two years it has been tested.

*Suregrain* is short, early maturing, with fair resistance to lodging. It has produced less forage and grain than other varieties in southern Alabama.

### Barley

*Barsoy* is a recent release by the University of Kentucky. An awned variety, it is short, early, and has fair lodging resistance.

*Colonial 2* is short, early maturing, and has good lodging resistance. Total feed production has been good in northern and central Alabama.

*Dayton,* an awned variety, is short, early maturing, and has fair lodging resistance. Dayton has produced slightly better grain yields but slightly lower forage yields than Colonial 2.

*James* is short, early maturing, and has good lodging resistance. Forage yields have been good but grain yields have been low. Testing of this variety will be discontinued.

*Keowee,* a new release from Clemson University, has been tested only 1 year.

*Wade* is short, early maturing, and has good lodging resistance. Grain yields have been good but forage yields have been low.

### Rye

Adapted varieties of rye give the earliest grazing and the highest total feed production of all small grains in Alabama. Grain yields of rye have been similar to that of wheat; however, rye grain as feed for livestock is less desirable than other grains.

*Bonel* is a recent release from the Noble Foundation of Oklahoma. It is tall, slightly later maturing than Wren's Abruzzi, and has fair lodging resistance.

*Elbon* is tall, early maturing, and has fair lodging resistance. Total feed production has been good in northern Alabama.

*Emory* is tall, early maturing, and has fair lodging resistance. Forage and grain yields have been lower than other varieties in central and southern Alabama. Testing of this variety will be discontinued.

*Explorer* is tall, early maturing, and has fair lodging resistance. Forage and grain yields have been good in northern and central Alabama.

*Weser* is tall, early maturing, and has fair lodging resistance. Total feed production has been good in southern Alabama and grain production has been good in central and southern Alabama.

*Wren's Abruzzi* is tall, early maturing, and has fair lodging resistance. Total feed production has been good in both central and southern Alabama.

**Wheat**

*Andox* is a recent release from Clemson University. It is short to medium in height, early maturing and has good lodging resistance.

*Benhur* is a new release from Purdue University and has been tested only one year.

*Blue Boy* is a recent release from North Carolina. It is a semidwarf, is early maturing, and has excellent lodging resistance. It has yielded well in northern Alabama for two years, but is very susceptible to leaf rust and has not done well in central and southern Alabama.

*Coker 65-20* is medium in height, early maturing and has good lodging resistance. Forage and grain yields have been good in northern and central Alabama and fair to good in southern Alabama.

*Coker 67-12* is a new release from Coker Pedigreed Seed Company and has been tested only one year.

*Georgia 1123* is early maturing, medium in height, and has good lodging resistance. Forage and grain yields have been good in all regions of the State.

*Hadden* is short, early, and has good lodging resistance. Its forage yields have been good but its grain yields have been poor. Testing of this variety will be discontinued.

*Knox 62* is medium in height, early maturing, and has good lodging resistance. Grain yields have been acceptable but forage yields have been low in northern Alabama.

*Monon* is medium in height, early maturing, and has good lodging resistance. Grain yields have been acceptable in northern and central Alabama but forage yields have been very low.

*Wakeland* is early maturing and medium in height. Lodging resistance has been poor in northern and central Alabama. Forage and grain yields have been good in all three regions of the State.

## SMALL GRAINS for FORAGE

Clipping tests were conducted to determine (1) fall and winter forage production of small grains, and (2) the effect of clipping during this period on grain yields. Data from other experiments show that fall applications of nitrogen are necessary for high forage yields but they do not increase grain yields. Therefore, the clipped plots received a fall application of nitrogen at planting or shortly thereafter, which the unclipped plots did not receive. These plots were clipped at intervals until late February or March 1 to simulate grazing, after which both clipped and unclipped plots were topdressed with a uniform application of nitrogen.

TABLE 1. CULTURAL PRACTICES UNDER WHICH TESTS WERE CONDUCTED IN 1967-68 SEASON

| Location | Planting date | Kind and rate of fertilizer per acre | | | | |
|---|---|---|---|---|---|---|
| | | At planting Grade | Nitrogen topdressing | | | |
| | | | | Fall[1] | Spring | Spring date |
| | | | *Lb.* | *Lb.* | *Lb.* | |
| Alexandria | October 4 | 4-12-12 | 400 | 50 | 57 | March 6 |
| Crossville | September 25 | 0-14-14 | 300 | 50 | 50 | February 28 |
| Belle Mina | September 26 | 0-20-20 | 400 | 50 | 50 | February 27 |
| Winfield | October 5 | 4-12-12 | 400 | 50 | 60 | March 14 |
| Camp Hill | October 5 | 8-8-8 | 400 | 50 | 60 | March 4 |
| Auburn | October 2 | 0 | 0 | 50 | 50 | March 4 |
| Tallassee | September 27 | 4-12-12 | 400 | 40 | 40 | February 6 |
| Prattville | October 2 | 0-14-14 | 400 | 60 | 60 | March 6 |
| Marion Junction | October 3 | 0-16-8 | 500 | 50 | 50 | March 1 |
| Camden | October 4 | 4-12-12 | 500 | 50 | 50 | February 26 |
| Monroeville | October 1 | 0-14-14 | 500 | 67 | 67 | February 28 |
| Brewton | October 1 | 0-14-14 | 500 | 67 | 67 | February 28 |
| Fairhope | November 21 | 4-12-12 | 400 | [2] | 50 | February 21 |
| Headland | October 12 | 4-12-12 | 500 | 60 | 60 | February 5 |

[1] Fall topdressing was applied to clipped plots only.
[2] Clipping tests were not conducted at Fairhope.

When fed to cattle, each pound of dry forage (consumed as pasturage) may be considered worth approximately 1 pound of grain. By converting the bushels of grain produced to pounds and adding it to the pounds of dry forage produced from clipped tests, it is evident that the greatest amount of feed was obtained from small grain that was clipped and then allowed to make grain, Table 3. Total production of feed (forage + forage equivalent of grain) does not differ greatly in the three regions of the State. Grain yields are generally higher and forage yields are lower in northern Alabama than in central and southern Alabama.

TABLE 2. REACTIONS OF OAT VARIETIES TO SOME DISEASES IN ALABAMA

| Variety | Crown rust | Helmintho-sporium leaf blotch | Septoria leaf blotch | Loose smut |
|---|---|---|---|---|
| **Northern Alabama** | | | | |
| Bruce | R | R | R | R |
| Carolee | S | R | S | R |
| Coker 242 | R | R | R | R |
| Coker 66-22[1] | R | R | R | R |
| Compact[1] | R | R | R | R |
| Moregrain | R | S | S | R |
| Moregrain 211 | R | S | R | R |
| Nora | R | S | R | R |
| Ora | R | S | R | R |
| Roanoke | R | R | R | R |
| Sumter 3 | R | S | R | R |
| **Central Alabama** | | | | |
| Carolee | S | S | S | R |
| Coker 242 | R | S | R | R |
| Coker 66-17[1] | R | R | R | R |
| Florida 500 | R | S | R | R |
| Florida 501[1] | R | R | R | R |
| Moregrain | R | S | S | R |
| Moregrain 211 | R | S | R | R |
| Nora[1] | R | R | R | R |
| Ora | R | S | R | R |
| Roanoke | S | S | S | R |
| **Southern Alabama** | | | | |
| Carolee | S | S | S | R |
| Coker 242 | S | S | R | R |
| Coker 66-17[1] | R | R | R | R |
| Florida 500 | R | S | R | R |
| Florida 501[1] | R | R | R | R |
| Moregrain | S | S | R | R |
| Moregrain 211 | S | S | S | R |
| Ora | R | S | R | R |
| Roanoke | S | S | S | R |
| Sumter 3 | S | S | S | R |
| Suregrain | R | S | R | R |

[1] One-year data.

TABLE 2 *(Continued).* REACTIONS OF WHEAT VARIETIES TO SOME DISEASES IN ALABAMA

| Variety | Powdery mildew | Leaf rust | Septoria leaf blotch | Loose smut |
|---|---|---|---|---|
| **Northern Alabama** | | | | |
| Andox | R | S | S | R |
| Benhur[1] | R | R | R | R |
| Blue Boy | R | S | R | R |
| Coker 65-20 | R | S | R | R |
| Georgia 1123 | S | S | S | R |
| Knox 62 | R | S | S | R |
| Monon | S | S | S | R |
| Wakeland | S | R | S | R |
| **Central Alabama** | | | | |
| Andox | S | S | S | R |
| Blue Boy | R | S | R | R |
| Coker 65-20 | R | S | R | R |
| Georgia 1123 | S | S | S | R |
| Monon | S | S | S | R |
| Wakeland | S | R | S | R |
| **Southern Alabama** | | | | |
| Andox | R | S | S | R |
| Blue Boy | R | S | S | R |
| Coker 65-20 | R | S | S | R |
| Coker 67-12[1] | R | R | R | R |
| Georgia 1123 | S | S | S | R |
| Hadden | R | S | S | R |
| Wakeland | S | R | S | R |

[1] One-year data.

REACTIONS OF BARLEY AND RYE VARIETIES TO SOME DISEASES IN ALABAMA

| Variety | Powdery mildew | Spot blotch | Net blotch | Leaf rust | Scald |
|---|---|---|---|---|---|
| **Barley** | | | | | |
| Barsoy | R | R | R | S | R |
| Colonial 2 | S | S | S | S | S |
| Dayton | S | S | S | S | S |
| James | R | S | S | R | R |
| Keowee[1] | R | R | R | R | R |
| Wade | R | S | S | R | R |
| **Rye** | | | | | |
| Bonel | R | | | S | R |
| Elbon | S | | | S | R |
| Emory | R | | | S | R |
| Explorer | S | | | S | R |
| Weser | R | | | S | R |
| Wren's Abruzzi | S | | | S | R |

[1] One-year data.

TABLE 3. FORAGE AND GRAIN YIELD OF SMALL GRAIN VARIETIES TESTED, 1964-68

| Variety | Yield of clipped plots, average | | | | | | Total feed, 1966-68 av. | |
|---|---|---|---|---|---|---|---|---|
| | Forage | | | | | Grain | | |
| | 1-yr. 1968 | 2-yr. 1967-68 | 3-yr. 1966-68 | 4-yr. 1965-68 | 5-yr. 1964-68 | 3-yr. 1966-68 | Not clipped, grain only | Clipped, forage and grain |
| | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* |
| | | | | NORTHERN ALABAMA | | | | |
| *Number of Tests* | *(4)* | *(8)* | *(12)* | *(16)* | *(19)* | *(12)* | *(12)* | *(12)* |
| **Oats** | | | | | | | | |
| Carolee | 1,536 | 1,685 | 1,420 | 1,187 | 1,006 | 2,176 | 2,560 | 3,596 |
| Moregrain | 1,299 | 1,601 | 1,337 | 1,145 | 961 | 1,824 | 2,144 | 3,161 |
| Roanoke | 1,603 | 1,579 | 1,343 | 1,144 | 957 | 1,760 | 2,112 | 3,103 |
| Coker 242 | 1,369 | 1,439 | 1,215 | 1,039 | 874 | 1,856 | 2,176 | 3,071 |
| Moregrain 211 | 1,435 | 1,606 | 1,368 | 1,167 | 988 | 1,824 | 2,144 | 3,192 |
| Sumter 3 | 1,364 | 1,603 | | | | | | |
| Bruce | 976 | 1,199 | | | | | | |
| Ora | 1,263 | 1,368 | | | | | | |
| Nora | 1,180 | 1,286 | | | | | | |
| Compact | 1,285 | | | | | | | |
| Coker 66-22 | 1,495 | | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 1,299 | 1,446 | 1,321 | 1,198 | 1,037 | 1,968 | 1,920 | 3,289 |
| Dayton | 1,293 | 1,437 | 1,205 | 1,043 | 879 | 1,920 | 2,064 | 3,125 |
| Wade | 1,169 | 1,341 | 1,137 | 962 | 825 | 2,112 | 2,352 | 3,249 |
| James | 1,327 | 1,594 | 1,426 | 1,205 | | 1,392 | 1,488 | 2,818 |
| Barsoy | 1,133 | 1,220 | | | | | | |
| Keowee | 986 | | | | | | | |
| **Rye** | | | | | | | | |
| Explorer | 1,890 | 2,153 | 2,010 | 1,990 | 1,768 | 1,400 | 1,624 | 3,410 |
| Elbon | 1,451 | 1,831 | 1,890 | 1,850 | 1,713 | 1,568 | 1,736 | 3,458 |
| Bonel | 1,858 | 2,009 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 1,705 | 1,891 | 1,738 | 1,592 | 1,379 | 1,200 | 1,440 | 2,938 |
| Ga. 1123 | 1,500 | 1,682 | 1,566 | 1,418 | 1,335 | 1,440 | 1,680 | 3,006 |
| Knox 62 | 1,119 | 1,368 | 1,264 | 1,224 | 1,013 | 1,500 | 1,380 | 2,764 |
| Monon | 970 | 1,174 | 1,066 | 987 | 837 | 1,440 | 1,440 | 2,506 |
| Coker 65-20 | 1,390 | 1,885 | 1,699 | | | 1,440 | 1,680 | 3,139 |
| Andox | 1,403 | 1,743 | | | | | | |
| Blue Boy | 1,778 | 1,827 | | | | | | |
| Benhur | 1,105 | | | | | | | |

TABLE 3 *(Continued).* FORAGE AND GRAIN YIELD OF SMALL GRAIN VARIETIES TESTED, 1964-68

| Variety | Yield of clipped plots, average | | | | | | Total feed, 1966-68 av. | |
|---|---|---|---|---|---|---|---|---|
| | Forage | | | | | Grain | Not clipped, grain only | Clipped, forage and grain |
| | 1-yr. 1968 | 2-year 1967-68 | 3-yr. 1966-68 | 4-yr. 1965-68 | 5-yr. 1964-68 | 3-yr. 1966-68 | | |
| | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* |
| | CENTRAL ALABAMA | | | | | | | |
| *Number of Tests* | *(5)* | *(9)* | *(14)* | *(19)* | *(23)* | *(14)* | *(14)* | *(14)* |
| **Oats** | | | | | | | | |
| Moregrain | 1,784 | 2,385 | 2,193 | 2,006 | 1,826 | 1,632 | 1,728 | 3,825 |
| Roanoke | 1,909 | 2,375 | 2,175 | 1,991 | 1,793 | 1,760 | 1,696 | 3,935 |
| Carolee | 2,060 | 2,473 | 2,209 | 1,978 | 1,803 | 1,952 | 2,016 | 4,161 |
| Coker 242 | 1,616 | 2,276 | 2,072 | 1,873 | 1,721 | 1,728 | 1,888 | 3,800 |
| Moregrain 211 | 1,842 | 2,387 | 2,217 | 1,981 | 1,800 | 1,632 | 1,728 | 3,849 |
| Ora | 1,628 | 2,213 | 1,936 | | | 2,016 | 1,792 | 3,952 |
| Fla. 500 | 1,650 | 2,159 | | | | | | |
| Coker 66-17 | 1,326 | | | | | | | |
| Fla. 501 | 1,704 | | | | | | | |
| Nora | 1,628 | | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 1,756 | 2,150 | 2,173 | 1,942 | | 1,584 | 1,536 | 3,757 |
| Barsoy | 1,966 | 2,433 | | | | | | |
| **Rye** | | | | | | | | |
| Wren's Abruzzi | 2,278 | 2,901 | 2,911 | 2,633 | 2,632 | 1,344 | 1,568 | 4,255 |
| Explorer | 2,430 | 2,885 | 2,851 | 2,547 | 2,460 | 1,344 | 1,624 | 4,195 |
| Elbon | 1,766 | 2,525 | 2,731 | 2,578 | 2,483 | 1,176 | 1,344 | 3,907 |
| Weser | 2,343 | 2,856 | 2,423 | 2,254 | | 1,288 | 1,848 | 3,711 |
| Emory | 2,450 | 2,989 | 2,355 | 2,215 | | 1,344 | 1,568 | 3,699 |
| Bonel | 2,069 | 2,634 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 2,053 | 2,804 | 2,821 | 2,419 | 2,287 | 1,320 | 1,500 | 4,141 |
| Ga. 1123 | 2,058 | 2,519 | 2,569 | 2,243 | 2,112 | 1,560 | 1,740 | 4,129 |
| Monon | 1,236 | 1,838 | 1,874 | 1,613 | | 1,680 | 1,680 | 3,554 |
| Coker 65-20 | 2,168 | 2,888 | 2,783 | | | 1,440 | 1,860 | 4,223 |
| Andox | 1,926 | 2,556 | | | | | | |
| Blue Boy | 2,168 | 2,568 | | | | | | |

TABLE 3 *(Continued).* FORAGE AND GRAIN YIELD OF SMALL GRAIN VARIETIES TESTED, 1964-1968

| Variety | Yield of clipped plots, average | | | | | | Total feed, 1966-68 av. | |
|---|---|---|---|---|---|---|---|---|
| | Forage | | | | | Grain | Not clipped, grain only | Clipped, forage and grain |
| | 1-yr. 1968 | 2-yr. 1967-68 | 3-yr. 1966-68 | 4-yr. 1965-68 | 5-yr. 1964-68 | 3-yr. 1966-68 | | |
| | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* | *Lb.* |
| | SOUTHERN ALABAMA | | | | | | | |
| *Number of Tests* | *(4)* | *(8)* | *(13)* | *(17)* | *(21)* | *(13)* | *(13)* | *(13)* |
| **Oats** | | | | | | | | |
| Carolee | 1,761 | 1,976 | 1,958 | 1,934 | 1,733 | 1,280 | 1,408 | 3,238 |
| Moregrain | 1,742 | 1,992 | 1,884 | 1,916 | 1,716 | 1,408 | 1,568 | 3,292 |
| Suregrain | 1,448 | 1,721 | 1,701 | 1,751 | 1,594 | 1,248 | 1,504 | 2,949 |
| Coker 242 | 1,730 | 2,047 | 1,887 | 1,834 | 1,629 | 1,344 | 1,536 | 3,231 |
| Moregrain 211 | 1,848 | 1,913 | 1,855 | 1,876 | 1,660 | 1,440 | 1,664 | 3,295 |
| Roanoke | 1,977 | 1,848 | 1,748 | 1,713 | | 1,216 | 1,120 | 2,964 |
| Fla. 500 | 1,856 | 2,052 | 1,953 | 1,967 | | 1,408 | 1,664 | 3,361 |
| Sumter 3 | 2,023 | 2,206 | | | | | | |
| Ora | 1,534 | 1,589 | | | | | | |
| Coker 66-17 | 1,654 | | | | | | | |
| Fla. 501 | 2,028 | | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 2,044 | 1,805 | 1,884 | 1,850 | 1,656 | 960 | 960 | 2,844 |
| Barsoy | 2056 | | | | | | | |
| **Rye** | | | | | | | | |
| Wren's Abruzzi | 2,515 | 2,513 | 2,536 | 2,488 | 2,388 | 1,064 | 1,288 | 3,600 |
| Weser | 3,215 | 2,803 | 2,720 | 2,572 | 2,440 | 1,064 | 1,344 | 3,784 |
| Emory | 2,959 | 2,725 | 2,438 | 2,332 | | 952 | 1,232 | 3,390 |
| Bonel | 2,489 | 2,275 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 2,388 | 2,126 | 2,187 | 2,081 | 1,936 | 1,260 | 1,500 | 3,447 |
| Ga. 1123 | 1,851 | 1,775 | 1,789 | 1,732 | 1,604 | 1,260 | 1,320 | 3,049 |
| Hadden | 2,057 | 2,262 | 2,144 | 2,078 | 1,995 | 780 | 960 | 2,924 |
| Coker 65-20 | 1,986 | 1,969 | 1,830 | | | 1,140 | 1,380 | 2,970 |
| Blue Boy | 1,962 | 1,750 | | | | | | |
| Andox | 1,989 | 1,893 | | | | | | |
| Coker 67-12 | 2,173 | | | | | | | |

TABLE 4. GRAIN YIELD AND OTHER CHARACTERISTICS OF UNCLIPPED SMALL GRAIN VARIETIES TESTED, 1964-68

| Variety | Regional average yield per acre | | | | | Other characteristics, 3-year average | | |
|---|---|---|---|---|---|---|---|---|
| | 1-yr. 68 | 2-yr. 67-68 | 3-yr. 66-68 | 4-yr. 65-68 | 5-yr. 64-68 | Lodging | Height | 1/10 headed |
| | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Pct.* | *In.* | *Date* |
| | | | | NORTHERN ALABAMA | | | | |
| *Number of Tests* | *(3)* | *(5)* | *(9)* | *(13)* | *(16)* | *(9)* | *(9)* | *(9)* |
| **Oats** | | | | | | | | |
| Carolee | 79 | 70 | 80 | 84 | 84 | 21 | 39 | 4/21 |
| Moregrain | 59 | 57 | 67 | 68 | 71 | 29 | 34 | 4/16 |
| Roanoke | 57 | 54 | 66 | 72 | 72 | 19 | 50 | 4/20 |
| Coker 242 | 61 | 56 | 68 | 72 | 77 | 20 | 41 | 4/20 |
| Moregrain 211 | 61 | 58 | 67 | 72 | 75 | 37 | 35 | 4/15 |
| Sumter 3 | 57 | 52 | | | | | | |
| Bruce | 48 | 50 | | | | | | |
| Ora | 59 | 58 | | | | | | |
| Nora | 64 | 60 | | | | | | |
| Compact | 53 | | | | | | | |
| Coker 66-22 | 65 | | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 46 | 40 | 40 | 45 | 44 | 23 | 31 | 4/13 |
| Dayton | 52 | 42 | 43 | 49 | 49 | 22 | 31 | 4/6 |
| Wade | 58 | 48 | 49 | 52 | 51 | 17 | 31 | 4/11 |
| James | 40 | 32 | 31 | 35 | | 13 | 33 | 4/9 |
| Barsoy | 50 | 40 | | | | | | |
| Keowee | 50 | | | | | | | |
| **Rye** | | | | | | | | |
| Explorer | 22 | 28 | 29 | 33 | 35 | 45 | 53 | 4/1 |
| Elbon | 20 | 29 | 31 | 35 | 37 | 36 | 54 | 3/31 |
| Bonel | 27 | 30 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 16 | 24 | 24 | 26 | 27 | 29 | 37 | 4/17 |
| Ga. 1123 | 20 | 26 | 28 | 30 | 34 | 10 | 41 | 4/15 |
| Knox 62 | 19 | 22 | 23 | 26 | 28 | 26 | 40 | 4/15 |
| Monon | 19 | 25 | 24 | 27 | 29 | 10 | 38 | 4/15 |
| Coker 65-20 | 21 | 28 | 28 | | | 15 | 39 | 4/17 |
| Andox | 19 | 24 | | | | | | |
| Blue Boy | 24 | 28 | | | | | | |
| Benhur | 22 | | | | | | | |

TABLE 4 *(Continued)*. GRAIN YIELD AND OTHER CHARACTERISTICS OF UNCLIPPED SMALL GRAIN VARIETIES TESTED, 1964-68

| Variety | Regional average yield per acre | | | | | Other characteristics, 3-year average | | |
|---|---|---|---|---|---|---|---|---|
| | 1-yr. 68 | 2-yr. 67-68 | 3-yr. 66-68 | 4-yr. 65-68 | 5-yr. 64-68 | Lodging | Height | 1/10 headed |
| | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Pct.* | *In.* | *Date* |
| | | | | CENTRAL ALABAMA | | | | |
| *Number of Tests* | *(4)* | *(8)* | *(13)* | *(17)* | *(21)* | *(13)* | *(13)* | *(13)* |
| **Oats** | | | | | | | | |
| Moregrain | 66 | 54 | 54 | 50 | 52 | 44 | 36 | 4/9 |
| Roanoke | 71 | 51 | 53 | 54 | 54 | 38 | 45 | 4/15 |
| Carolee | 80 | 62 | 63 | 63 | 64 | 32 | 38 | 4/15 |
| Coker 242 | 74 | 59 | 59 | 58 | 64 | 29 | 41 | 4/12 |
| Moregrain 211 | 60 | 50 | 54 | 49 | 53 | 51 | 36 | 4/10 |
| Ora | 66 | 57 | 56 | | | 34 | 38 | 4/10 |
| Fla. 500 | 72 | 54 | | | | | | |
| Coker 66-17 | 74 | | | | | | | |
| Fla. 501 | 67 | | | | | | | |
| Nora | 69 | | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 47 | 36 | 32 | 30 | 30 | 21 | 32 | 4/8 |
| Barsoy | 44 | 32 | | | | | | |
| **Rye** | | | | | | | | |
| Wren's Abruzzi | 29 | 27 | 28 | 25 | 28 | 36 | 54 | 3/16 |
| Explorer | 26 | 28 | 29 | 27 | 29 | 37 | 54 | 3/17 |
| Elbon | 21 | 21 | 24 | 25 | 23 | 37 | 54 | 3/18 |
| Weser | 28 | 28 | 33 | 26 | | 32 | 53 | 3/15 |
| Emory | 28 | 26 | 28 | 24 | | 35 | 55 | 3/19 |
| Bonel | 30 | 28 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 24 | 22 | 25 | 22 | 24 | 48 | 42 | 4/9 |
| Ga. 1123 | 28 | 27 | 29 | 27 | 30 | 31 | 44 | 4/8 |
| Monon | 32 | 26 | 28 | 27 | | 25 | 43 | 4/11 |
| Coker 65-20 | 29 | 28 | 31 | | | 36 | 40 | 4/9 |
| Andox | 28 | 24 | | | | | | |
| Blue Boy | 26 | 24 | | | | | | |

TABLE 4 *(Continued)*. GRAIN YIELD AND OTHER CHARACTERISTICS OF UNCLIPPED SMALL GRAIN VARIETIES TESTED, 1964-68

| Variety | Regional average yield per acre | | | | | Other characteristics, 3-year average | | |
|---|---|---|---|---|---|---|---|---|
| | 1-yr. 68 | 2-yr 67-68 | 3-yr. 66-68 | 4-yr. 65-68 | 5-yr. 64-68 | Lodging | Height | 1/10 headed |
| | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Pct.* | *In.* | *Date* |
| | | | | SOUTHERN ALABAMA | | | | |
| *Number of Tests* | *(4)* | *(8)* | *(13)* | *(16)* | *(21)* | *(13)* | *(13)* | |
| **Oats** | | | | | | | | |
| Carolee | 59 | 42 | 44 | 40 | 42 | 18 | 35 | [1] |
| Moregrain | 70 | 53 | 49 | 46 | 49 | 13 | 34 | |
| Suregrain | 60 | 50 | 47 | 46 | 50 | 16 | 35 | |
| Coker 242 | 58 | 46 | 48 | 48 | 52 | 14 | 39 | |
| Moregrain 211 | 71 | 54 | 52 | 50 | 51 | 15 | 34 | |
| Roanoke | 36 | 30 | 35 | 35 | | 16 | 45 | |
| Fla. 500 | 66 | 52 | 52 | 53 | | 17 | 35 | |
| Sumter 3 | 51 | 38 | | | | | | |
| Ora | 49 | 47 | | | | | | |
| Coker 66-17 | 64 | | | | | | | |
| Fla. 501 | 65 | | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 26 | 21 | 20 | 18 | 18 | 6 | 26 | |
| Barsoy | 28 | | | | | | | |
| **Rye** | | | | | | | | |
| Wren's Abruzzi | 25 | 22 | 23 | 22 | 25 | 9 | 54 | |
| Weser | 23 | 22 | 24 | 22 | 25 | 9 | 53 | |
| Emory | 23 | 22 | 22 | 20 | | 9 | 54 | |
| Bonel | 25 | 21 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 25 | 23 | 25 | 25 | 26 | 11 | 39 | |
| Ga. 1123 | 20 | 18 | 22 | 23 | 26 | 6 | 41 | |
| Hadden | 13 | 14 | 16 | 17 | 19 | 9 | 36 | |
| Coker 65-20 | 20 | 21 | 23 | | | 6 | 39 | |
| Blue Boy | 22 | 18 | | | | | | |
| Andox | 20 | 17 | | | | | | |
| Coker 67-12 | 26 | | | | | | | |

[1] Insufficient data to report from this region.

TABLE 5. GRAIN YIELD AND OTHER CHARACTERISTICS OF CLIPPED SMALL GRAIN VARIETIES TESTED, 1964-68

| Variety | Regional average yield per acre | | | | | Other characteristics, 3-year average | | |
|---|---|---|---|---|---|---|---|---|
| | 1-yr. 68 | 2-yr. 67-68 | 3-yr. 66-68 | 4-yr. 65-68 | 5-yr. 64-68 | Lodging | Height | 1/10 headed |
| | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Pct.* | *In.* | *Date* |
| | | | | NORTHERN ALABAMA | | | | |
| *Number of Tests* | *(3)* | *(7)* | *(11)* | *(15)* | *(18)* | *(11)* | *(11)* | *(11)* |
| **Oats** | | | | | | | | |
| Carolee | 67 | 58 | 68 | 71 | 75 | 19 | 37 | 4/22 |
| Moregrain | 42 | 46 | 57 | 55 | 62 | 19 | 34 | 4/18 |
| Roanoke | 41 | 44 | 55 | 58 | 60 | 18 | 46 | 4/21 |
| Coker 242 | 47 | 42 | 58 | 58 | 66 | 13 | 39 | 4/21 |
| Moregrain 211 | 44 | 45 | 57 | 58 | 65 | 19 | 33 | 4/18 |
| Sumter 3 | 54 | 48 | | | | | | |
| Bruce | 42 | 46 | | | | | | |
| Ora | 56 | 52 | | | | | | |
| Nora | 63 | 58 | | | | | | |
| Compact | 68 | | | | | | | |
| Coker 66-22 | 69 | | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 52 | 42 | 41 | 45 | 42 | 13 | 30 | 4/14 |
| Dayton | 46 | 36 | 40 | 43 | 40 | 20 | 29 | 4/10 |
| Wade | 50 | 40 | 44 | 46 | 43 | 10 | 30 | 4/13 |
| James | 40 | 31 | 29 | 29 | | 6 | 32 | 4/13 |
| Barsoy | 50 | 38 | | | | | | |
| Keowee | 58 | | | | | | | |
| **Rye** | | | | | | | | |
| Explorer | 20 | 21 | 25 | 29 | 30 | 33 | 50 | 4/6 |
| Elbon | 23 | 22 | 28 | 31 | 33 | 33 | 50 | 4/5 |
| Bonel | 29 | 27 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 19 | 20 | 20 | 22 | 24 | 11 | 36 | 4/20 |
| Ga. 1123 | 23 | 23 | 24 | 24 | 27 | 4 | 38 | 4/18 |
| Knox 62 | 22 | 24 | 25 | 26 | 28 | 16 | 37 | 4/17 |
| Monon | 22 | 24 | 24 | 26 | 29 | 8 | 37 | 4/16 |
| Coker 65-20 | 24 | 22 | 24 | | | 4 | 38 | 4/20 |
| Andox | 19 | 20 | | | | | | |
| Blue Boy | 25 | 22 | | | | | | |
| Benhur | 21 | | | | | | | |

TABLE 5 *(Continued).* GRAIN YIELD AND OTHER CHARACTERISTICS OF CLIPPED SMALL GRAIN VARIETIES TESTED, 1964-68

| Variety | Regional average yield per acre | | | | | Other characteristics, 3-year average | | |
|---|---|---|---|---|---|---|---|---|
| | 1-yr. 68 | 2-yr. 67-68 | 3-yr. 66-68 | 4-yr. 65-68 | 5-yr. 64-68 | Lodging | Height | 1/10 headed |
| | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Pct.* | *In.* | *Date* |
| | | | | CENTRAL ALABAMA | | | | |
| *Number of Tests* | *(4)* | *(8)* | *(13)* | *(18)* | *(22)* | *(13)* | *(13)* | *(13)* |
| **Oats** | | | | | | | | |
| Moregrain | 56 | 50 | 51 | 42 | 46 | 27 | 32 | 4/12 |
| Roanoke | 69 | 55 | 55 | 53 | 52 | 19 | 42 | 4/17 |
| Carolee | 80 | 64 | 61 | 54 | 56 | 22 | 33 | 4/17 |
| Coker 242 | 61 | 54 | 54 | 47 | 54 | 16 | 34 | 4/15 |
| Moregrain 211 | 58 | 51 | 52 | 43 | 47 | 36 | 30 | 4/13 |
| Ora | 70 | 66 | 63 | | | 12 | 34 | 4/12 |
| Fla. 500 | 54 | 50 | | | | | | |
| Coker 66-17 | 54 | | | | | | | |
| Fla. 501 | 71 | | | | | | | |
| Nora | 69 | | | | | | | |
| **Rye** | | | | | | | | |
| Wren's Abruzzi | 25 | 24 | 24 | 21 | 23 | 41 | 48 | 3/27 |
| Explorer | 21 | 24 | 24 | 23 | 24 | 44 | 47 | 3/27 |
| Elbon | 19 | 18 | 21 | 20 | 18 | 57 | 47 | 3/27 |
| Weser | 21 | 20 | 23 | 19 | | 43 | 46 | 3/26 |
| Emory | 18 | 20 | 24 | 20 | | 41 | 48 | 3/29 |
| Bonel | 27 | 27 | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 50 | 36 | 33 | 28 | 28 | 26 | 27 | 4/9 |
| Barsoy | 42 | 30 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 22 | 22 | 22 | 20 | 22 | 22 | 35 | 4/11 |
| Ga. 1123 | 29 | 25 | 26 | 24 | 26 | 20 | 37 | 4/10 |
| Monon | 30 | 27 | 28 | 26 | | 20 | 37 | 4/11 |
| Coker 65-20 | 22 | 22 | 24 | | | 21 | 36 | 4/11 |
| Andox | 24 | 20 | | | | | | |
| Blue Boy | 21 | 16 | | | | | | |

TABLE 5 *(Continued).* GRAIN YIELD AND OTHER CHARACTERISTICS OF CLIPPED SMALL GRAIN VARIETIES TESTED, 1964-68

| Variety | Regional average yield per acre | | | | | Other characteristics, 3-year average | | |
|---|---|---|---|---|---|---|---|---|
| | 1-yr. 68 | 2-yr. 67-68 | 3-yr. 66-68 | 4-yr. 65-68 | 5-yr. 64-68 | Lodging | Height | 1/10 headed |
| | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Bu.* | *Pct.* | *In.* | *Date* |
| | | | | SOUTHERN ALABAMA | | | | |
| *Number of Tests* | *(4)* | *(8)* | *(13)* | *(17)* | *(21)* | *(13)* | *(13)* | |
| **Oats** | | | | | | | | |
| Carolee | 47 | 36 | 40 | 35 | 37 | 16 | 31 | [1] |
| Moregrain | 50 | 42 | 44 | 39 | 42 | 20 | 31 | |
| Suregrain | 52 | 40 | 39 | 34 | 40 | 16 | 31 | |
| Coker 242 | 45 | 38 | 42 | 38 | 45 | 15 | 36 | |
| Moregrain 211 | 52 | 41 | 45 | 41 | 44 | 18 | 31 | |
| Roanoke | 40 | 31 | 38 | 35 | | 17 | 41 | |
| Fla. 500 | 56 | 44 | 45 | 40 | | 12 | 30 | |
| Sumter 3 | 48 | 36 | | | | | | |
| Ora | 58 | 50 | | | | | | |
| Coker 66-17 | 54 | | | | | | | |
| Fla. 501 | 64 | | | | | | | |
| **Barley** | | | | | | | | |
| Colonial 2 | 27 | 18 | 20 | 17 | 19 | 6 | 23 | |
| Barsoy | 31 | | | | | | | |
| **Rye** | | | | | | | | |
| Wren's Abruzzi | 30 | 22 | 19 | 20 | 20 | 14 | 47 | |
| Weser | 26 | 21 | 19 | 18 | 19 | 14 | 47 | |
| Emory | 22 | 18 | 17 | 18 | | 13 | 47 | |
| Bonel | 26 | 22 | | | | | | |
| **Wheat** | | | | | | | | |
| Wakeland | 23 | 20 | 21 | 22 | 22 | 5 | 35 | |
| Ga. 1123 | 22 | 18 | 21 | 23 | 24 | 5 | 37 | |
| Hadden | 17 | 12 | 13 | 13 | 15 | 4 | 30 | |
| Coker 65-20 | 19 | 16 | 19 | | | 4 | 34 | |
| Blue Boy | 24 | 18 | | | | | | |
| Andox | 20 | 16 | | | | | | |
| Coker 67-12 | 22 | | | | | | | |

[1] Insufficient data to report from this region.

## SOURCES of SEED TESTED

### Oats

| | |
|---|---|
| Bruce | Dept. of Agronomy, Clemson University, Clemson, South Carolina |
| Carolee | North Carolina Foundation Seed Producers, Inc., Raleigh, North Carolina |
| Coker 242 | Coker Pedigreed Seed Co., Hartsville, South Carolina |
| Coker 66-17 | Coker Pedigreed Seed Co., Hartsville, South Carolina |
| Coker 66-22 | Coker Pedigreed Seed Co., Hartsville, South Carolina |
| Compact | Dept. of Agronomy, University of Kentucky, Lexington, Kentucky |
| Florida 500 | North Florida Experiment Station, Quincy, Florida |
| Florida 501 | North Florida Experiment Station, Quincy, Florida |
| Moregrain | Coker Pedigreed Seed Co., Hartsville, South Carolina |
| Moregrain 211 | Coker Pedigreed Seed Co., Hartsville, South Carolina |
| Nora | Dept. of Agronomy, University of Arkansas, Fayetteville, Arkansas |
| Ora | Dept. of Agronomy, University of Arkansas, Fayetteville, Arkansas |
| Roanoke | North Carolina Foundation Seed Producers, Inc., Raleigh, North Carolina |
| Sumter 3 | Dept. of Agronomy, Clemson University, Clemson, South Carolina |
| Suregrain | Coker Pedigreed Seed Co., Hartsville, South Carolina |

### Barley

| | |
|---|---|
| Barsoy | Dept. of Agronomy, University of Kentucky, Lexington, Kentucky |
| Colonial 2 | North Carolina Foundation Seed Producers, Inc., Raleigh, North Carolina |
| Dayton | Dept. of Agronomy, Ohio State University, Columbus, Ohio. |
| James | Virginia Crop Improvement Association, Inc., Amelia, Virginia |
| Keowee | Dept. of Agronomy, Clemson University, Clemson, South Carolina |
| Wade | North Carolina Foundation Seed Producers, Inc., Raleigh, North Carolina |

### Rye

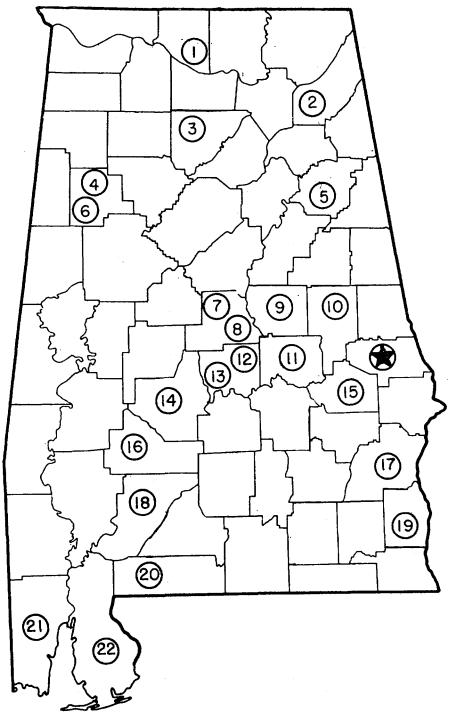
| | |
|---|---|
| Bonel | Noble Foundation, Inc., Ardmore, Oklahoma |
| Elbon | Oklahoma Foundation Seed Stocks, Inc., Stillwater, Oklahoma |
| Emory | Foundation Seeds, Inc., Athens, Georgia |
| Explorer | Foundation Seed Stocks Farm, Thorsby, Alabama |
| Weser | Foundation Seeds, Inc., Athens, Georgia |
| Wren's Abruzzi | Foundation Seed Stocks Farm, Thorsby, Alabama |

### Wheat

| | |
|---|---|
| Andox | Dept. of Agronomy, Clemson University, Clemson, South Carolina |
| Benhur | Agricultural Alumni Seed Improvement Assoc., Inc., West Lafayette, Indiana |
| Blue Boy | North Carolina Foundation Seed Producers, Inc., Raleigh, North Carolina |
| Coker 65-20 | Coker Pedigreed Seed Co., Hartsville, South Carolina |
| Coker 67-12 | Coker Pedigreed Seed Co., Hartsville, South Carolina |
| Ga. 1123 | Foundation Seed Stocks Farm, Thorsby, Alabama |
| Hadden | Coker Pedigreed Seed Co., Hartsville, South Carolina |
| Knox 62 | Agricultural Alumni Seed Improvement Assoc., Inc., West Lafayette, Ind. |
| Monon | Agricultural Alumni Seed Improvement Assoc., Inc., West Lafayette, Ind. |
| Wakeland | Foundation Seed Stocks Farm, Thorsby, Alabama |

## AGRICULTURAL EXPERIMENT STATION SYSTEM OF ALABAMA'S LAND-GRANT UNIVERSITY

With an agricultural research unit in every major soil area, Auburn University serves the needs of field crop, livestock, forestry, and horticultural producers in each region in Alabama. Every citizen of the State has a stake in this research program, since any advantage from new and more economical ways of producing and handling farm products directly benefits the consuming public.




### Research Unit Identification

★ Main Agricultural Experiment Station, Auburn.

1. Tennessee Valley Substation, Belle Mina.
2. Sand Mountain Substation, Crossville.
3. North Alabama Horticulture Substation, Cullman.
4. Upper Coastal Plain Substation, Winfield.
5. Alexandria Experiment Field, Alexandria.
6. Forestry Unit, Fayette County.
7. Thorsby Foundation Seed Stocks Farm, Thorsby.
8. Chilton Area Horticulture Substation, Clanton.
9. Forestry Unit, Coosa County.
10. Piedmont Substation, Camp Hill.
11. Plant Breeding Unit, Tallassee.
12. Forestry Unit, Autauga County.
13. Prattville Experiment Field, Prattville.
14. Black Belt Substation, Marion Junction.
15. Tuskegee Experiment Field, Tuskegee.
16. Lower Coastal Plain Substation, Camden.
17. Forestry Unit, Barbour County.
18. Monroeville Experiment Field, Monroeville.
19. Wiregrass Substation, Headland.
20. Brewton Experiment Field, Brewton.
21. Ornamental Horticulture Field Station, Spring Hill.
22. Gulf Coast Substation, Fairhope.