



WHEAT TRIALS
2019-2020



AGRI-AFC AGRONOMIC SERVICES WHEAT VARIETY TRIALS

WHEAT VARIETY TRIALS

AVERAGE OF FOUR LOCATIONS - CHEROKEE, COLBERT, MADISON, MARSHALL

| ENTRY | EARLY VIGOR (1 = best) | AWNS (yes/no) | PLANT HEIGHT (inches) | LODGING (1 = best) | TEST WEIGHT (lbs/bu) | HARVEST MOISTURE (%) | YIELD (bushels/acre) | YIELD @ 13.5% | TEST WEIGHT INDEX (lbs/bu) |
|-------------------|---------------------------|------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------------|
| Pioneer 26R41 | 3.4 | Y | 35.3 | 1.0 | 58.7 | 16.0 | 100.5 | 97.4 | 0.2 |
| CROPLAN 8081 | 2.0 | Y | 39.0 | 1.1 | 59.5 | 15.3 | 98.7 | 96.7 | 1.1 |
| CROPLAN 9415 | 1.8 | Y | 37.3 | 1.0 | 58.4 | 15.3 | 96.0 | 94.1 | -0.1 |
| CROPLAN 8022 | 2.5 | Y | 36.3 | 1.0 | 58.0 | 16.4 | 95.8 | 92.6 | -0.5 |
| Pioneer 26R45 | 2.6 | N | 41.0 | 1.3 | 57.9 | 15.0 | 93.9 | 92.3 | -0.6 |
| AgriPro SY 547 | 2.4 | N | 43.5 | 1.1 | 58.6 | 15.3 | 94.1 | 92.2 | 0.1 |
| AgriPro SY VIPER | 3.0 | N | 41.0 | 1.1 | 58.7 | 15.9 | 93.4 | 90.8 | 0.2 |
| Pioneer XW18X | 1.4 | Y | 39.3 | 1.3 | 59.2 | 15.8 | 90.7 | 88.2 | 0.8 |
| AgriPro SY RICHIE | 2.6 | N | 36.3 | 1.1 | 57.8 | 15.4 | 89.3 | 87.3 | -0.7 |
| Pioneer 26R36 | 3.5 | Y | 38.8 | 1.0 | 58.1 | 15.5 | 86.8 | 84.9 | -0.4 |

Entries are listed according to yield in bushels/acre adjusted to 13.5% moisture. Early vigor and lodging ratings 1 to 5, 1 = best. Test weight index is a comparison to the average test weight of each trial - expressed in lbs/bu above or below trial average.

TWO YEAR AVERAGES (2018, 2019)

AVERAGE OF TEN LOCATIONS - CHEROKEE, COLBERT, LIMESTONE, MADISON, MARSHALL

| ENTRY | EARLY VIGOR* (1 = best) | AWNS (yes/no) | PLANT HEIGHT (inches) | LODGING (1 = best) | TEST WEIGHT (lbs/bu) | HARVEST MOISTURE (%) | YIELD (bushels/acre) | YIELD @ 13.5% | INDEX (lbs/bu) |
|----------------|----------------------------|------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|---------------|-------------------|
| Pioneer 26R41 | 2.6 | Y | 34.5 | 1.0 | 57.3 | 14.3 | 97.7 | 96.7 | 0.2 |
| CROPLAN 9415 | 1.7 | Y | 36.1 | 1.0 | 57.4 | 14.1 | 95.1 | 94.4 | 0.3 |
| Pioneer 26R36 | 2.9 | Y | 37.5 | 1.1 | 57.3 | 14.0 | 92.3 | 91.9 | 0.2 |
| AgriPro SY 547 | 2.7 | N | 41.4 | 1.1 | 57.3 | 14.0 | 89.2 | 88.7 | 0.1 |

Entries are listed according to yield in bushels/acre adjusted to 13.5% moisture. Averages include varieties entered in trials harvested in 2018 & 2019. Early vigor and lodging ratings 1 to 5, 1 = best. Test weight index is a comparison to the average test weight of each trial - expressed in lbs/bu above or below trial average.

THREE YEAR AVERAGES (2017, 2018, 2019)

AVERAGE OF TWENTY LOCATIONS - CHEROKEE, COLBERT, JACKSON, LAWRENCE, LIMESTONE, MADISON, MARSHALL

| ENTRY | EARLY VIGOR* (1 = best) | AWNS (yes/no) | PLANT HEIGHT (inches) | LODGING (1 = best) | TEST WEIGHT (lbs/bu) | HARVEST MOISTURE (%) | YIELD (bushels/acre) | YIELD @ 13.5% | TEST WEIGHT INDEX (lbs/bu) |
|----------------|----------------------------|------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------------|
| Pioneer 26R41 | 2.9 | Y | 34.0 | 1.1 | 57.7 | 13.6 | 97.8 | 97.6 | 0.3 |
| CROPLAN 9415 | 2.1 | Y | 35.7 | 1.2 | 57.7 | 13.6 | 97.1 | 97.1 | 0.2 |
| Pioneer 26R36 | 3.1 | Y | 36.9 | 1.2 | 57.5 | 13.4 | 94.4 | 94.6 | 0.1 |
| AgriPro SY 547 | 2.5 | N | 40.9 | 1.5 | 57.4 | 13.4 | 93.9 | 94.0 | -0.1 |

Entries are listed according to yield in bushels/acre adjusted to 13.5% moisture. Averages include varieties entered in trials harvested in 2017, 2018, 2019. Early vigor and lodging ratings 1 to 5, 1 = best. Test weight index is a comparison to the average test weight of each trial - expressed in lbs/bu above or below trial average.

AGRI-AFC WHEAT TRIAL
CHEROKEE COUNTY, AL - 2019/2020

| ENTRY | EARLY VIGOR (1 = best) | AWNS (yes/no) | PLANT HEIGHT (inches) | LODGING (1 = best) | TEST WEIGHT (lbs/bu) | HARVEST MOISTURE (%) | YIELD (bushels/acre) | YIELD @ 13.5% | TEST WEIGHT INDEX (lbs/bu) |
|-------------------|---------------------------|------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------------|
| Pioneer 26R41 | 3 | Y | 35 | 1 | 56.3 | 20.6 | 111.1 | 102.0 | -1.3 |
| Pioneer 26R45 | 2 | N | 41 | 1.5 | 57.9 | 16.9 | 100.5 | 96.5 | 0.3 |
| AgriPro SY RICHIE | 1.5 | N | 39 | 1 | 57.5 | 17.6 | 100.5 | 95.7 | -0.1 |
| Pioneer XW18X | 2 | Y | 40 | 1.5 | 58.1 | 19.1 | 99.7 | 93.2 | 0.5 |
| CROPLAN 8081 | 2.5 | Y | 39 | 1.5 | 59.6 | 17.3 | 96.6 | 92.4 | 2.0 |
| CROPLAN 9415 | 1.5 | Y | 38 | 1 | 58.5 | 18.1 | 97.4 | 92.2 | 0.9 |
| AgriPro SY 547 | 1.5 | N | 44 | 1 | 58.0 | 17.5 | 95.9 | 91.5 | 0.4 |
| AgriPro SY VIPER | 3 | N | 42 | 1 | 59.5 | 18.4 | 96.6 | 91.2 | 1.9 |
| CROPLAN 8022 | 1 | Y | 37 | 1 | 55.4 | 21.7 | 100.5 | 90.9 | -2.2 |
| Pioneer 26R36 | 3 | Y | 39 | 1 | 56.8 | 18.5 | 80.7 | 76.0 | -0.8 |

Entries are listed according to yield in bushels/acre adjusted to 13.5% moisture. Early vigor and lodging ratings 1 to 5, 1 = best. Test weight index is a comparison to the average test weight of the trial - expressed in lbs/bu above or below trial average.

Trial Type: side by side strips
Planted: 11/11/19
Harvested: 6/6/20
Planting Method: drill
Seeding Rate: 1.6 million seeds/acre, adjusted by variety
Soil Series: Leesburg fine sandy loam
Tillage: no-till
Previous Crop: cotton
Nitrogen Applications: Fall - 2.5 tons poultry litter; Spring - 65 units split application
Fungicide Applications: 4 oz Onset @ flagleaf; 8 oz Prosaro @ flowering

AGRI-AFC WHEAT TRIAL
COLBERT COUNTY, AL - 2019/2020

| ENTRY | EARLY VIGOR (1 = best) | AWNS (yes/no) | PLANT HEIGHT (inches) | LODGING (1 = best) | TEST WEIGHT (lbs/bu) | HARVEST MOISTURE (%) | YIELD (bushels/acre) | YIELD @ 13.5% | TEST WEIGHT INDEX (lbs/bu) |
|--------------------|---------------------------|------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------------|
| AgriPro SY BRANSON | 1.5 | N | 36 | 1.5 | 57.4 | 14.9 | 107.0 | 105.3 | 0.6 |
| Pioneer 26R41 | 3.5 | Y | 34 | 1 | 58.1 | 14.4 | 105.9 | 104.8 | 1.3 |
| CROPLAN 8081 | 2.5 | Y | 40 | 1 | 57.6 | 14.9 | 96.0 | 94.4 | 0.8 |
| CROPLAN 8022 | 3 | Y | 36 | 1 | 56.8 | 15.1 | 94.2 | 92.5 | 0.0 |
| AgriPro SY 547 | 3 | N | 41 | 1.5 | 56.4 | 15.0 | 88.4 | 86.9 | -0.4 |
| CROPLAN 9415 | 2 | Y | 36 | 1 | 56.8 | 14.6 | 86.1 | 85.0 | 0.0 |
| Pioneer 26R36 | 4 | Y | 38 | 1 | 56.2 | 15.0 | 80.3 | 78.9 | -0.6 |
| Pioneer 26R45 | 3 | N | 42 | 1.5 | 55.5 | 15.1 | 78.5 | 77.1 | -1.3 |
| AgriPro SY RICHIE | 3 | N | 34 | 1.5 | 55.8 | 15.2 | 74.5 | 73.0 | -1.0 |
| Pioneer XW18X | 1.5 | Y | 37 | 1.5 | 57.7 | 14.9 | 69.8 | 68.7 | 0.9 |
| AgriPro SY VIPER | 3 | N | 37 | 1.5 | 57.1 | 15.6 | 68.1 | 66.4 | 0.3 |

Entries are listed according to yield in bushels/acre adjusted to 13.5% moisture. Early vigor and lodging ratings 1 to 5, 1 = best. Test weight index is a comparison to the average test weight of the trial - expressed in lbs/bu above or below trial average.

Trial Type: side by side strips
Planted: 11/14/19
Harvested: 6/29/20
Planting Method: drill
Seeding Rate: 1.6 million seeds/acre, adjusted by variety
Soil Series: Decatur silt loam
Tillage: conventional
Previous Crop: corn
Nitrogen Applications: Fall - 40 units; Spring - 95 units
Fungicide Applications: none

**AGRI-AFC WHEAT TRIAL
MADISON COUNTY, AL - 2019/2020**

| ENTRY | EARLY VIGOR (1 = best) | AWNS (yes/no) | PLANT HEIGHT (inches) | LODGING (1 = best) | TEST WEIGHT (lbs/bu) | HARVEST MOISTURE (%) | YIELD (bushels/acre) | YIELD @ 13.5% | TEST WEIGHT INDEX (lbs/bu) |
|-------------------|---------------------------|------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------------|
| Pioneer 26R45 | 3.5 | N | 39 | 1 | 60.4 | 13.8 | 105.7 | 105.3 | -0.7 |
| CROPLAN 9415 | 2 | Y | 39 | 1 | 60.2 | 13.6 | 103.6 | 103.5 | -0.9 |
| CROPLAN 8081 | 1.5 | Y | 39 | 1 | 62.0 | 13.8 | 102.1 | 101.8 | 0.9 |
| Pioneer 26R36 | 4 | Y | 40 | 1 | 61.2 | 13.8 | 101.6 | 101.2 | 0.1 |
| Pioneer XW18X | 1 | Y | 40 | 1 | 62.0 | 14.1 | 98.0 | 97.3 | 0.9 |
| AgriPro SY 547 | 2 | N | 45 | 1 | 61.6 | 14.2 | 97.5 | 96.7 | 0.5 |
| USG 3230 | 2 | Y | 38 | 1 | 62.3 | 13.7 | 96.5 | 96.3 | 1.2 |
| CROPLAN 8022 | 3 | Y | 36 | 1 | 61.4 | 13.8 | 96.0 | 95.7 | 0.3 |
| AgriPro SY VIPER | 3.5 | N | 42 | 1 | 60.4 | 14.4 | 93.9 | 93.0 | -0.7 |
| USG 3539 | 3 | Y | 37 | 1 | 60.0 | 14.1 | 92.4 | 91.8 | -1.1 |
| AgriPro SY RICHIE | 3 | N | 35 | 1 | 60.7 | 13.8 | 90.9 | 90.6 | -0.4 |
| Pioneer 26R41 | 3.5 | Y | 37 | 1 | 61.7 | 14.2 | 90.9 | 90.1 | 0.6 |

Entries are listed according to yield in bushels/acre adjusted to 13.5% moisture. Early vigor and lodging ratings 1 to 5, 1 = best. Test weight index is a comparison to the average test weight of the trial - expressed in lbs/bu above or below trial average.

Trial Type: side by side strips
Planted: 11/20/19
Harvested: 6/19/20
Planting Method: drill
Seeding Rate: 1.6 million seeds/acre, adjusted by variety
Soil Series: Lobelville silt loam
Tillage: no-till
Previous Crop: cotton
Nitrogen Applications: Fall - 30 units; Spring - 120 units split application
Fungicide Applications: 13.7 oz Trivapro @ flagleaf; 8 oz Prosaro @ flowering

AGRI-AFC WHEAT TRIAL
MARSHALL COUNTY, AL - 2019/2020

| ENTRY | EARLY VIGOR (1 = best) | AWNS (yes/no) | PLANT HEIGHT (inches) | LODGING (1 = best) | TEST WEIGHT (lbs/bu) | HARVEST MOISTURE (%) | YIELD (bushels/acre) | YIELD @ 13.5% | TEST WEIGHT INDEX (lbs/bu) |
|-------------------|---------------------------|------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------------|
| AgriPro SY VIPER | 2.5 | N | 43 | 1 | 57.6 | 15.2 | 115.1 | 112.8 | -0.8 |
| USG 3230 | 2 | Y | 39 | 1 | 58.6 | 14.5 | 100.7 | 99.5 | 0.2 |
| CROPLAN 8081 | 1.5 | Y | 38 | 1 | 58.9 | 15.1 | 100.1 | 98.3 | 0.5 |
| CROPLAN 9415 | 1.5 | Y | 36 | 1 | 57.9 | 14.8 | 96.9 | 95.5 | -0.5 |
| AgriPro SY 547 | 3 | N | 44 | 1 | 58.2 | 14.6 | 94.8 | 93.6 | -0.2 |
| Pioneer XW18X | 1 | Y | 40 | 1 | 59.1 | 15.2 | 95.3 | 93.4 | 0.7 |
| USG 3539 | 1 | Y | 37 | 1 | 58.8 | 14.9 | 94.8 | 93.2 | 0.4 |
| Pioneer 26R41 | 3.5 | Y | 35 | 1 | 58.6 | 14.9 | 94.2 | 92.7 | 0.2 |
| CROPLAN 8022 | 3 | Y | 36 | 1 | 58.3 | 14.8 | 92.6 | 91.2 | -0.1 |
| Pioneer 26R45 | 2 | N | 42 | 1 | 57.8 | 14.2 | 91.0 | 90.3 | -0.6 |
| AgriPro SY RICHIE | 3 | N | 37 | 1 | 57.2 | 15.0 | 91.6 | 90.0 | -1.2 |
| Pioneer 26R36 | 3 | Y | 38 | 1 | 58.2 | 14.7 | 84.6 | 83.4 | -0.2 |

Entries are listed according to yield in bushels/acre adjusted to 13.5% moisture. Early vigor and lodging ratings 1 to 5, 1 = best. Test weight index is a comparison to the average test weight of the trial - expressed in lbs/bu above or below trial average.

Trial Type: side by side strips
Planted: 11/18/19
Harvested: 6/17/20
Planting Method: drill
Seeding Rate: 1.6 million seeds/acre, adjusted by variety
Soil Series: Tilsit very fine sandy loam
Tillage: no-till
Previous Crop: corn
Nitrogen Applications: Fall - 2 tons poultry litter; Spring - 100 units split application
Fungicide Applications: 13.7 oz Miravis Ace @ flowering