

## Recommended Wheat Varieties for Fall Planting, 2017-2018

One of the most important decisions that growers make in growing wheat is choosing the right variety or varieties to plant. Many differences exist among the varieties and therefore it is important to assess what characteristics are most important for their production area. Growers should choose several varieties to plant to reduce risk and improve their chances of success every season. The following information is provided to understand the differences in each of the varieties that are recommended in Georgia. Table 1- 4 are included to provide comparative information on wheat.

Table 1 provides a list of varieties that are recommended for all areas of the state. Please note the footnotes as to the best area of adaptation. Also pay attention to the footnotes for specific recommendations to support good yield production.

**Table 1. Recommended Wheat Varieties for 2017**

AGS 2024 (S)	Dyna-Gro 9171 (P) <sup>3</sup>	Pioneer 26R10 (P)
*AGS 2026 (S)	Dyna-Gro 9522 (P)	Pioneer 26R41 (P) <sup>2</sup>
AGS 2027 (S)	Dyna-Gro Savoy (S)	Pioneer 26R59 (P) <sup>3</sup>
AGS 2033 (S)	Hilliard (P) <sup>3</sup>	Pioneer 26R94 (C)
AGS 2035 (S)	*Jamestown (S) <sup>2,3</sup>	SH 5550 (S)
AGS 2038 (S)	PGX 16-1 (P)	SRW 9410 (P)
AGS 2055 (P)	PGX 16-4 (P)	SS 8415 (S)
AGS 3000 (C)		*USG 3024 (P)

1. P = Piedmont; C = Coastal Plain; S = Statewide.
  2. Consider using a labeled fungicide; highly susceptible to powdery mildew, leaf rust, stripe rust or crown rust.
  3. Susceptible to some Hessian fly; consider using an insecticide.
- \* To be dropped from list in 2018. Certified seed producers may want to consider reducing the seed supply due to the supply of better, more adaptable varieties.

Sources of seed:

AGS varieties: AGSouth Genetics supplier

Dyna-Gro and Oglethorpe: Dyna-Gro seed supplier

Pioneer varieties: Pioneer seed supplier

Southern Harvest 555: Meherrin Agricultural Chemical and Supply

SS varieties: Southern States Coop

USG: UniSouth Genetics, Inc. seed supplier

Jamestown: PVP public seed supplier

Pay close attention to each characteristic in Table 2 as this may require specific modifications in your production practices to achieve the best yield and quality of grain. The vernalization requirement is an important column to recognize if you may be planting a field past the recommended planting period. Choose only those that have a short to medium vernalization requirement per chance the winter period is warmer than average.

**Table 2.** Characteristics of 2017 recommended wheat varieties

Brand-Variety	Leaf rust	Stripe rust	Glume blotch	Powdery mildew	BYD1	SBWM2	Head scab	Hessian fly	Test wt	Maturity	Straw strength	Vernal. Requr.	Awned
AGS 2024	good	good	fair	good	fair	good	fair	fair	good	medium	good	medium	yes
AGS 2026	good	good	good	good	fair	good	poor	good*	good	medium	fair	short	no
AGS 2027	good	good	good	good	fair	good	fair	good*	good	medium	fair	medium	no
AGS 2033	good	good	good	good	fair	good	fair	good	good	medium	good	medium	yes
AGS 2035	good	good	fair	fair	fair	good	fair	good	good	medium	good	short	yes
AGS 2038	good	good	fair	good	fair	good	fair	fair	good	med. late	good	medium	Yes
AGS 2055	good	good	-	good	-	-	-	fair	good	med. late	good	-	-
AGS 3000	poor	good	-	good	-	-	-	fair	good	early	good	-	-
Dyna-Gro 9171	fair	good	good	fair	fair	good	good	poor	fair	late	good	long	yes
Dyna-Gro 9522	poor	good	-	good	-	-	-	poor	fair	med. late	good		yes
Dyna-Gro Savoy	good	good	good	good	fair	good	fair	good*	good	early	good	short	no
Hilliard	good	good	-	good	-	-	-	poor	good	medium	good	-	yes
Jamestown	good	good	fair	good	fair	good	good	poor	good	medium	good	short	yes
PGX 16-1	fair	good	-	good	-	-	-	poor	good	medium	good	-	-
PGX 16-4	good	good	-	good	-	-	-	poor	good	medium	good	-	--
Pioneer 26R10	fair	good	good	fair	fair	good	fair	good	good	late	good	long	yes
Pioneer 26R41	fair	good	fair	good	good	fair	good	good*	good	late	good	long	yes
Pioneer 26R59	fair	good	-	good	-	-	-	poor	fair	medium	good		no
Pioneer 26R94	good	good	fair	good	fair	good	fair	good	good	medium	good	short	yes
SH 5550	good	good	good	good	fair	good	fair	fair	good	medium	good	medium	no
SRW 9410	fair	good	fair	fair	fair	good	good	good*	good	medium	fair	medium	yes
SS 8415	fair	good	-	good	fair	good	good	good*	good	late	good	long	no
USG 3024	good	good	good	good	fair	good	poor	fair	good	medium	good	medium	yes

1. Barley yellow dwarf virus.
  2. Soil-born wheat mosaic virus.
- \* Resistant to Bio- Type L.

<b>Table 3:</b>	<b>Summary of 2017 Wheat Yields with Two- and Three- Year Averages</b>								
Brand-Variety	Yield <sup>1</sup>								
	South <sup>2</sup>			North <sup>3</sup>			Statewide <sup>4</sup>		
	2017	2-Year Average	3-Year Average	2017 Average	2-Year Average <sup>4</sup>	3-Year Average <sup>5</sup>	2017 Average	2-Year Average	3-Year Average
AGS 2024	<b>85.7</b>	<b>87.9</b>	<b>76.3</b>	67.3	75.6	80.4	<b>81.1</b>	<b>84.8</b>	<b>77.3</b>
AGS 2027	78.4	.	.	.	.	.	.	.	.
AGS 2033	<b>86.1</b>	<b>87.7</b>	<b>77.8</b>	.	.	.	.	.	.
AGS 2035	66.2	.	.	.	.	.	.	.	.
AGS 2038	68.7	79.8	66.5	.	.	.	.	.	.
AGS 2055	.	.	.	<b>94.3</b>	81.0	77.8	.	.	.
AGS 3000	24.9	56.7	.	.	.	.	.	.	.
Dyna-Gro 9171	.	.	.	85.8	78.0	83.8	.	.	.
Dyna-Gro 9522	.	.	.	80.8	78.6	84.1	.	.	.
Dyna-Gro Savoy	62.8	<b>84.6</b>	<b>76.4</b>	45.3	74.1	75.0	58.4	<b>82.0</b>	<b>76.0</b>
Hilliard	67.7	75.4	66.9	77.9	82.0	82.0	70.3	77.1	70.6
PGX 16-1	80.2	80.3	72.3	78.0	74.5	75.6	79.7	78.8	73.1
PGX 16-4	73.8	78.3	69.6	84.0	78.1	74.6	76.3	78.2	70.8
Pioneer 26R10	36.6	48.4	45.6	74.7	72.9	80.7	46.1	54.5	54.3
Pioneer 26R41	62.7	66.3	61.3	90.8	87.1	91.0	69.7	71.5	68.7
Pioneer 26R59	35.4	50.7	49.2	87.6	87.5	93.7	48.4	59.9	60.3
Pioneer 26R94	71.5	77.9	68.5	43.3	56.0	60.9	64.4	72.4	66.6
SH 5550	83.6	85.9	75.1	61.5	65.7	72.9	78.1	80.9	74.6
SRW 9410	55.5	65.6	61.1	80.5	77.6	73.4	61.7	68.6	64.2
SS 8415	57.2	61.5	56.0	70.7	71.0	76.1	60.6	63.9	61.0

1. Yields calculated at 60 pounds per bushel at 13.5% moisture.
  2. Tifton, Plains, and Midville.
  3. Athens and Calhoun. No 2017 Calhoun data available due to drought conditions.
  4. 2-year average data comprised of 2017 Athens, 2016 Griffin, and 2016 Calhoun data. Griffin provided Piedmont region data in previous years.
  5. 3-year average data comprised of 2017 Athens, 2015 Griffin, and 2015 Calhoun data.
- Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

**Table 4: Yield and test weights of recommended varieties tested at Tifton, Plains, Midville, and Athens, Georgia, 2017**

Brand-Variety	Tifton				Plains				Midville				Athens			
	yield <sup>1</sup>	2-yr	3-yr	test weight	yield <sup>1</sup>	2-yr	3-yr	test weight	yield <sup>1</sup>	2-yr	3-yr	test weight	yield <sup>1</sup>	2-yr	3-yr	test weight
	--- bu/ac ---			lb/bu	--- bu/ac ---			lb/bu	--- bu/ac ---			lb/bu	--- bu/ac ---			lb/bu
AGS 2024	91.6	<b>98.9</b>	<b>81.1</b>	58.1	<b>101.3</b>	<b>93.9</b>	<b>83.4</b>	55	<b>64.4</b>	<b>70.8</b>	64.2	54.7	67.3	-	-	52.3
AGS 2027	94.6	-	-	55.7	81.9	-	-	54.4	<b>58.7</b>	-	-	52.8	-	-	-	-
AGS 2033	<b>102.9</b>	<b>101</b>	<b>83.9</b>	58	92.9	86.1	79.2	56.7	<b>62.4</b>	<b>76</b>	<b>70.3</b>	54.7	-	-	-	-
AGS 2035	73.7	-	-	58.3	74.1	-	-	54.3	50.9	-	-	54.2	-	-	-	-
AGS 2038	85.5	88	66.6	57.8	82.2	80.3	69.9	56.3	38.3	71	63.1	53.4	-	-	-	-
AGS 2055	-	-	-	-	-	-	-	-	-	-	-	-	<b>94.3</b>	-	-	48
AGS 3000	31.5	64.8	-	57.5	24.3	55.8	-	53.7	19.1	48.8	-	53	-	-	-	-
Dyna-Gro 9171	-	-	-	-	-	-	-	-	-	-	-	-	85.8	-	-	46.6
Dyna-Gro 9522	-	-	-	-	-	-	-	-	-	-	-	-	80.8	-	-	47
Dyna-Gro Savoy	76.7	90.8	76.9	58.1	67.9	84.5	78.7	53.5	43.7	78.7	<b>73.5</b>	53	45.3	-	-	33.8
Hilliard	76	86.9	70.9	55.2	77.3	77	71.1	54	49.8	62.4	58.6	51.2	77.9	-	-	44.2
PGX16-1	94.2	<b>96.2</b>	<b>80.9</b>	57.5	93.2	81	72.2	55.8	53.2	63.6	63.7	54.1	78	-	-	47.6
PGX16-4	91.1	93.1	75	57.5	83.3	79.9	72.6	56.2	46.9	61.8	61.2	54.1	84	-	-	50.3
Pioneer 26R10	34.6	45.9	36	47.9	46.4	50.3	49	50.3	28.7	48.9	51.6	49.6	74.7	-	-	45.4
Pioneer 26R41	76.1	73.1	59.3	54.3	71.7	70.3	68.1	52.5	40.3	55.4	56.5	51.6	<b>90.8</b>	-	-	49
Pioneer 26R59	37.7	52.3	41.9	47.4	49.8	55.8	57.1	49.6	18.8	44	48.4	47.4	87.6	-	-	47.5
Pioneer 26R94	82.4	89.6	71.9	58.9	86.1	84.2	75.5	55.5	46	59.9	58.2	53.8	43.3	-	-	40
SH 5550	99.5	<b>98.3</b>	<b>81.2</b>	57.2	88.8	80.7	72.9	54.1	<b>62.6</b>	<b>78.7</b>	<b>71.3</b>	53.2	61.5	-	-	48.6
SRW 9410	65.4	73.7	64.4	53.8	66.5	70.1	65.9	54	34.5	53.1	53	51.5	80.5	-	-	46.3
SS 8415	50.2	62.6	53	49.8	72.3	65.7	61.5	53.1	49.2	56.1	53.6	49.6	70.7	-	-	44

1. Yields calculated at 60 pounds per bushel at 13.5% moisture.

Please be aware of all rules regulations regarding certified seed and patented or PVP varieties.

Consider using varieties tagged with an official certification tag. Certified seed ensures the highest quality seed available with good germination and freedom from noxious weeds. Contact the Georgia Crop Improvement Association regarding any questions with certified seed at 706/542.2351

The University of Georgia Grain Crops web page can be found at the following url:  
<http://www.caes.uga.edu/commodities/fieldcrops/gagrains/index.html>