



General Area Crop Progress

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The dry weather and heat at the end of August facilitated harvesting spring planted grain crops. **Corn** harvest is finished with reported yields in the 80-140 bu/ac range. The differences were mostly due to planting date and timely localized rains. **Grain Sorghum** harvest is ongoing with light sugarcane aphid pressure and yields in the 4000-6000 lb/ac range. Control of Johnson grass and other grass weeds continues to be a problem in some fields. Both the corn and grain sorghum trials have been harvested at the Greenville University farm. **Soybeans** have dropped their leaves and greater than half of the acreage has been harvested. It is a bright spot in the area crop production with yields exceeding 30 bushels/acre. The **Cotton** crop has matured rapidly with all fields at cut out and the earlier planted fields approaching 40-60% open bolls. Many of the fields on sandier soils are showing yellowing leaves. Cercospora lesions are present with other end of season foliar diseases identifiable. Depending on the weather, defoliation of some fields should start soon.

Grasshopper numbers continue to be high and may become a problem in pastures and with early planted fall forage crops. **Fall Armyworms** have been reported and sprayed in isolated areas. Fall rain events usually trigger out breaks and constant scouting should be done to identify and control worms when they are small. Control of fall armyworms and other forage pests can be found in the Extension publication. Managing Insect Pests of Texas Forage Crops
<http://agrilife.org/lubbock/files/2017/08/Managing-Insect-Pests-of-Texas-Forage-Crops-ENTO-064-2017.pdf>

2020 Wheat Trial information is enclosed and the statewide trial data has been posted to <http://varietytesting.tamu.edu/wheat>. When selecting a variety it is important to consider multi-year replicated data at a location most similar to the area of production. For the Blackland area of Texas AgriLife Extension testing has developed a "Picks List" of varieties to consider based on testing a variety for 3 or more years in multiple locations. There is also a "Watch List" of varieties that have 2 years of testing. The variety trials include experimental lines and new releases that may not have commercial seed available for purchase. Varieties should also be evaluated on characteristics including maturity, height, awned/awnless, disease and insect resistance. It is important to note that variety trials are conducted without fungicide applications to evaluate plant disease resistance. This creates some variability in the data as disease does not appear every year. 2020 was a year with low rust pressure and varieties without resistance performed much better than in other years. Some older well adapted varieties did well in the absence of disease. The fungicide profitability trials from 2020 are also included to evaluate varieties with a single inexpensive fungicide application. Most varieties did not see an increase this year.

Blackland SRWW 2020 Picks include:
AGS 2024, AGS 2038, AGS 2055, and GoWheat GW 2032
Blackland SRWW 2020 Watch Varieties include:
Turbo (awnless), SY Viper (awnless), and GoWheat GW6000

Blackland HRWW 2020 Picks include:
SY Monument, Gallagher, and TAM 304

Blackland HRWW 2020 Watch Varieties include:
WB 4303, WB 4418, WB 4699, and CP 7010

2019-2020 Wheat Research Summary

Variety Evaluation and Selection

Cooperative Research Project

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Selecting the Best Wheat Varieties for Your Farm

Varietal selection is one of the most important decisions a wheat grower will make. The best adapted varieties can produce up to 50 percent more grain than the poorly adapted ones. In addition, bushel weights vary widely among varieties, and it is important to select varieties with both high yield potential and good bushel weights.

This summary is intended to assist in that decision making process. Pay particular attention to tables with performance of varieties over multiple years. Yield stability is the most important single factor in selecting varieties for your farm. Growing conditions vary widely from year to year, and the varieties that perform well over multiple years are the safest choices.

2019-2020 in Review

The 2019-2020 growing season was similar to the previous growing season for the production of soft red winter wheat in the Northern Texas Blacklands. The 2019 fall growing conditions were extremely wet. Abundant moisture delayed planting until mid-late November. Continued rainfall through December and cold temperatures slowed the progression of the wheat. The wheat continued to progress slowly with above normal rainfall and below normal temperatures during the winter months. Most of the growers produced yields averaging 50 to 60 bushels per acre.

Leaf rust and stripe rust pressure were extremely low for this growing season, even highly susceptible varieties used for the fungicide trials did not sustain much damage from these diseases. See the tables of the fungicide profitability trials that showed small increases to a fungicide application on disease susceptible varieties. Septoria leaf blotch was widespread due to the unusually wet conditions and most likely reduced yield. Fusarium head scab was also more prevalent than usual.

None of the variety experiments in this summary were sprayed with a foliar fungicide. This phase of our program is intended to measure genetic resistance to foliar plant diseases.

In 2019-2020, we planted variety comparison studies in two locations: Howe and Greenville. We were able to successfully harvest both locations in a timely manner.

This paper is divided into two sections. The first will address the performance and characteristics of soft red winter wheat varieties (SRWWs) in this region. The second section is a summary of the performance of soft red winter wheat varieties in comparison with selected hard red winter wheat varieties (HRWWs).

Table 1: Summary – Performance of Selected Soft Red Winter Wheat Varieties in Howe, Texas. 2020

Variety†	Head Type	Yield (bu/ac)	Test Weight (lb/bu)	Plant Height (inches)	Heading (Julian)	Forage (1-3) ¹	Stripe Rust FL Infection (%)
Blackland 1828	Awned	69.1 a	60.7 e-j	34.6 c-i	107.2 abc	1.3 d	0.0 a
Pioneer 25R40	Awned	63.7 ab	62.1 b-i	33.3 f-i	109.2 a	1.4 d	0.0 a
Blackland 1889	Awnless	63.2 ab	60.4 g-j	36.3 a-e	108.0 ab	1.3 d	1.3 a
Go Wheat GW 6000	Awned	62.1 abc	62.3 b-i	35.7 a-g	100.3 ijk	2.8 ab	0.0 a
Agri-Pro SY Viper	Awnless	61.9 abc	61.8 b-j	37.2 abc	100.2 ijk	1.8 cd	0.0 a
USG 3329	Awned	61.2 abc	60.7 e-j	36.5 a-d	104.7 def	1.3 d	0.0 a
USG 3895	Awned	59.5 abc	61.8 b-j	33.0 ghi	103.7 efg	1.3 d	0.0 a
TX16DDH579	Awned	59.4 abc	64.3 a	38.2 a	104.7 def	2.6 ab	0.0 a
Pioneer 75R74	Awned	58.6 abc	62.3 b-i	33.2 ghi	104.7 def	1.5 cd	0.0 a
TX15D9597	Awned	58.2 abc	63.2 a-d	35.0 b-i	94.7 mn	2.5 ab	0.0 a
Blackland 1853	Awned	57.8 abc	61.8 b-j	37.5 ab	108.2 ab	1.1 d	0.0 a
Dyna-Gro 9012	Awned	57.8 abc	63.6 ab	33.7 e-i	105.7 cde	1.5 cd	0.0 a
USG 3118	Tip-Awned	57.8 abc	61.8 b-j	33.8 d-i	98.8 k	2.1 bc	0.0 a
#Fury	Awnless	57.8 abc	62.6 a-f	34.7 b-i	99.3 jk	2.4 ab	0.0 a
Agri-Pro SY 547	Awnless	57.6 abc	61.1 d-j	37.0 abc	102.2 ghi	1.6 cd	0.0 a
Dyna-Gro 9522	Awned	57.6 abc	61.1 d-j	35.0 b-i	107.8 ab	1.6 cd	0.0 a
Dyna-Gro 9811	Awned	57.4 abc	62.6 a-g	36.0 a-f	102.2 ghi	1.5 cd	0.0 a
USG 3230	Awned	56.8 abc	61.0 e-j	34.7 b-i	102.8 fgh	1.6 cd	0.0 a
Monsanto WB-2606	Awned	56.5 abc	61.9 b-j	33.0 ghi	109.3 a	1.3 d	0.0 a
Dyna-Gro 9701	Awned	55.7 abc	61.6 b-j	37.3 abc	107.3 abc	1.3 d	1.3 a
AGS 2055	Awned	54.9 abc	61.9 b-j	35.5 a-g	103.3 fg	2.5 ab	0.0 a
Monsanto WB-2418	Tip-Awned	54.8 abc	61.4 c-j	34.8 b-i	105.0 def	1.0 d	3.8 a
Blackland 1825	Awned	54.7 abc	61.9 b-j	32.6 hi	108.2 ab	1.0 d	16.3 b
Go Wheat GW 2032	Awned	54.5 abc	63.3 a-d	35.2 b-h	96.8 l	2.9 a	0.0 a
USG 3640	Awned	54.4 abc	62.5 a-g	36.8 abc	95.8 lm	2.9 a	0.0 a
Dyna-Gro 9002	Awned	53.9 bc	60.1 ij	35.7 a-g	106.2 bcd	1.1 d	0.0 a
#Turbo	Awnless	53.9 bc	60.4 f-j	32.5 hi	100.0 ijk	1.6 cd	0.0 a
AGS 2038	Awned	53.5 bc	62.4 a-h	36.8 abc	103.3 fg	2.1 bc	0.0 a
TX15D9579	Awned	53.4 bc	62.4 a-h	33.2 ghi	93.3 n	2.9 a	0.0 a
USG 3539	Awned	53.3 bc	62.8 a-e	34.8 b-i	108.8 a	1.3 d	0.0 a
USG 3536	Awned	52.9 bc	60.9 e-j	37.5 ab	109.5 a	1.1 d	0.0 a
USG 3228	Awnless	52.8 bc	60.2 hij	32.3 i	100.5 ijk	1.6 cd	0.0 a
AGS 2024	Awned	52.5 bc	63.4 abc	33.0 ghi	101.2 hij	2.6 ab	0.0 a
Blackland 1812	Awned	52.3 bc	61.8 b-j	36.0 a-f	108.0 ab	1.1 d	6.3 a
AGS 3040	Tip-Awned	51.5 bc	61.8 b-j	35.5 a-g	97.2 l	2.4 ab	2.5 a
Pioneer 25R61	Awned	47.4 c	59.9 j	34.0 d-i	106.3 bcd	1.5 cd	30.0 c
	<i>LSD (P = .05)</i>	<i>7.91</i>	<i>1.17</i>	<i>1.55</i>	<i>1.47</i>	<i>0.41</i>	<i>3.92</i>
	<i>CV (%)</i>	<i>9.95</i>	<i>1.66</i>	<i>3.88</i>	<i>1.25</i>	<i>16.74</i>	<i>164.35</i>
	GRAND MEAN	56.67	61.82	35.05	103.45	1.75	1.70

†Ranked according to Yield

¹Forage Scale: 1 – less upright growth; thin leaf blade, 2 – moderate upright growth & leaf blade, 3 – excellent upright growth, wide leaf blade

Table 1: Summary – Performance of Selected Soft Red Winter Wheat Varieties in Greenville, Texas. 2020

Variety†	Head Type	Yield ³ (bu/ac)	Test Weight (lb/bu)	Heading (Julian)	Head Trapping (0-10) ²	Plant Height (inches)	Forage (1-3) ¹
Go Wheat GW 6000	Awne	49.0 a	58.2 bcd	98.8 op	1.5 k	32.8 a-h	2.7 a
Go Wheat GW 2032	Awne	48.1 a	60.2 ab	94.5 qr	0.3 k	33.0 a-h	3.0 a
TX15D9579	Awne	47.7 ab	60.0 abc	93.3 r	0.7 k	32.8 a-h	3.0 a
AGS 2024	Awne	46.6 abc	60.1 ab	98.2 p	0.2 k	31.3 e-i	3.0 a
Blackland 1828	Awne	44.7 a-d	59.0 a-d	106.0 c-g	2.3 jk	31.8 c-h	1.7 def
USG 3640	Awne	44.2 a-d	60.4 ab	94.2 qr	1.2 k	35.3 abc	3.0 a
USG 3118	Tip-Awne	43.5 a-e	59.9 a-d	95.0 q	1.0 k	28.8 i	2.8 a
AGS 3040	Tip-Awne	39.7 a-e	59.3 a-d	94.5 qr	2.0 jk	33.0 a-h	2.8 a
AGS 2055	Awne	38.5 b-f	58.4 bcd	99.2 nop	0.8 k	34.5 a-e	2.3 b
USG 3895	Awne	38.1 b-f	59.1 a-d	99.7 mno	4.2 hi	30.5 ghi	2.2 bc
TX15D9597	Awne	37.9 b-f	60.5 ab	93.3 r	0.2 k	33.5 a-g	2.8 a
TX16DDH579	Awne	37.6 c-f	61.8 a	103.3 kl	1.2 k	34.8 a-e	2.3 b
Agri-Pro SY Viper	Awnless	37.1 c-f	59.9 a-d	99.5 mno	3.7 ij	35.0 a-d	2.1 bcd
#Turbo	Awnless	36.6 c-f	58.2 bcd	100.2 mno	1.8 jk	30.8 f-i	1.8 c-f
Dyna-Gro 9811	Awne	35.5 def	60.6 ab	100.3 mn	1.2 k	33.3 a-g	2.2 bc
#Fury	Awnless	34.5 def	59.6 a-d	94.8 q	0.0 k	33.0 a-h	3.0 a
Pioneer 25R61	Awne	34.2 def	56.5 de	105.2 f-j	2.0 jk	33.5 a-g	1.8 c-f
AGS 2038	Awne	33.1 ef	58.0 bcd	99.7 mno	0.5 k	34.8 a-e	2.3 b
Dyna-Gro 9002	Awne	28.7 fg	58.7 a-d	104.2 ijk	4.3 ghi	33.1 a-h	1.5 ef
Dyna-Gro 9701	Awne	25.4 g	58.1 bcd	106.5 c-f	4.8 f-i	36.0 a	1.6 ef
USG 3228	Awnless	23.8 g	56.7 cde	100.7 m	1.2 k	29.8 hi	1.9 b-e
Monsanto WB-2606	Awne	----	60.7 ab	105.7 d-h	8.3 abc	30.5 ghi	1.5 ef
Dyna-Gro 9012	Awne	----	59.6 a-d	105.3 e-i	5.0 e-i	32.5 a-h	1.8 def
Dyna-Gro 9522	Awne	----	59.6 a-d	107.0 bcd	6.3 c-g	33.9 a-g	1.6 ef
Pioneer 75R74	Awne	----	58.8 a-d	104.0 i-l	7.8 a-d	33.0 a-h	1.7 ef
Pioneer 25R40	Awne	----	59.1 a-d	106.7 cde	5.8 d-h	31.3 e-i	1.5 ef
USG 3329	Awne	----	58.1 bcd	104.3 h-k	9.3 a	32.3 b-h	1.5 ef
Agri-Pro SY 547	Awnless	----	59.4 a-d	102.8 l	7.3 a-d	35.5 ab	1.7 ef
USG 3536	Awne	----	59.3 a-d	108.0 b	7.2 a-d	34.3 a-f	1.5 ef
USG 3230	Awne	----	58.5 a-d	103.8 jkl	7.0 a-e	33.0 a-h	1.7 ef
Blackland 1825	Awne	----	57.3 b-e	104.3 h-k	7.5 a-d	31.5 d-i	1.5 ef
Blackland 1853	Awne	----	59.3 a-d	109.0 a	5.8 d-h	34.3 a-f	1.7 ef
Blackland 1889	Awnless	----	58.5 a-d	105.8 c-g	6.7 b-f	35.0 a-d	1.5 ef
Blackland 1812	Awne	----	58.7 a-d	107.2 bc	8.8 ab	34.3 a-f	1.4 f
USG 3539	Awne	----	59.9 a-d	107.0 bcd	8.6 ab	32.0 b-h	1.5 ef
Monsanto WB-2418	Tip-Awne	----	55.0 e	104.7 g-k	8.9 ab	33.4 a-g	1.5 ef
	LSD (P = .05)	6.15	1.79	0.92	1.39	1.86	0.24
	CV (%)	14.02	2.66	0.81	30.21	4.02	10.45
	GRAND MEAN	38.31	59.02	101.85	4.04	32.98	2.03

†Ranked according to Yield ¹Forage Scale: 1 – less upright growth; thin leaf blade, 2 – moderate upright growth & leaf blade, 3 – excellent upright growth, wide leaf blade

²Head Trapping Scale: 0 – None, 10 – 100%

³Varieties with an Injury rating of ≥5.0 were removed from Yield analysis

2020 SRWW Highlight Summary

The Howe location was planted on November 4 and harvested on June 8. The Greenville location was planted on November 19 and harvested on June 10.

- Blackland 1828 was the top yielder in the Howe location. Go Wheat GW 6000 was the top yielder at the Greenville location.
- TX16DDH579 had the highest test weight in both locations.
- Septoria leaf blotch was abundant in both locations with most leaves showing lesions in early spring until heading. SRWW varieties that showed symptoms and may have lost yield due to Septoria include: #Turbo, Agri-Pro SY 547, AGS 2038, AGS 2055, AGS 3040, Blackland 1889, Dyna-Gro 9002, Dyna-Gro 9522, Dyna-Gro 9811, Dyna-Gro TV8861, Go Wheat GW 2032, Go Wheat GW 6000, Monsanto WB-2606, Pioneer 25R40, SY Coker 9553, USG 3329, and USG 3640.
- Blackland 1812, Blackland 1825, Blackland 1853, Blackland 1889, Pioneer 25R40, Pioneer 75R74, Agri-Pro SY 547, Dyna-Gro 9012, Dyna-Gro 9522, USG 3230, USG 3329, USG 3536, USG 3539, Monsanto WB-2418 and Monsanto WB-2606 were removed from the yield analysis in the Greenville location due to sustaining a Head Trapping/Injury rating of ≥ 5.0 (Table 2). They were also not included in the two location average for yield (Table 3).
- Leaf rust (*Puccinia recondita*) infection levels were not observed this growing season for both locations. Stripe rust (*Puccinia striiformis*) infection pressure was low and only observed in the Howe location.

The Greenville location sustained herbicide injury on some of the varieties that were in the optimum stage of development for the injury to occur. The varieties affected displayed head trapping and bent stems. The damage was observed as head trapping and a rating of 0-10 was assigned (0 – None, 10 – 100%).

Yield stability is the most important consideration when selecting wheat varieties to plant in northeast Texas. It is risky to make varietal choices based on one year's results because weather conditions and disease pressures vary greatly from year to year. Therefore, performance over a number of years and locations is the best indicator of varietal stability. However, it is difficult to test the same varieties for multiple years since new varieties are being introduced. The companies do not always submit the same varieties.

Table 4 represents a summary of the top performing varieties over a five year period from 2016-2020.

Maturity Groups

We have more good SRWW wheat varieties to choose from than ever. Below is a table listing the relative maturities of selected varieties.

Variety		Maturity Group
USG 3118		Early
Go Wheat 2032		
#Fury		
Agri-Pro SY Viper	Go Wheat GW 6000	Medium
AGS 2055	USG 3228	
AGS 2024	#Turbo	
USG 3895	Dyna-Gro 9012	Medium Late
USG 3329	AGS 2038	
Pioneer 25R40	Blackland 1812	Late
USG 3536	Blackland 1828	
Dyna-Gro 9522	Blackland 1889	
Dyna-Gro 9701		

To hedge against weather risks, it would be advisable to plant multiple varieties from more than one maturity group. Start by planting the later maturing varieties, and finish with the earlier ones. The later maturing varieties are less likely to experience freeze damage in March, but are more subject to hot, dry conditions during the grain filling period. The medium early varieties are at more risk from a late freeze, but will likely experience more favorable weather conditions during the grain filling period.

Our research over the past 34 years has shown the optimum planting date in Northeast Texas to be the last week in October through the first week in November. Planting prior to October 25 is not advisable, as it exposes the crop to more potential damage to the Hessian fly, foliar plant diseases, and freeze injury in the spring.

Early maturing varieties are a fit for late planting (after November 15), but are more likely to suffer freeze injury when planted at the normal time. Earlier maturing varieties are better forage producers than later maturing ones, and can be planted earlier if they are grazed. An effective grazing program will delay their maturity.

Table 4: Five Year Summary – Mean Yield (Bushels/Acre) of the Top Soft Red Winter Wheat Varieties in Northeast Texas, 2016 (Leonard), 2017 (Leonard and Greenville), 2018 (Bailey and Greenville), 2019 (Howe) and 2020 (Howe)

Variety	5-Year	4-Year	3-Year	2-Year	2020
USG 3895	76.3	72.6	75.3	66.7	59.5
AGS 2055	74.8	73.9	75.9	66.2	54.9
Agri-Pro SY Viper	72.4	67.7	74.7	64.6	61.9
Go Wheat GW 6000	72.2	68.8	71.0	63.5	62.1
USG 3536	71.4	67.0	70.2	57.3	52.9
Dyna-Gro 9012	70.7	65.9	71.5	58.2	57.8
Pioneer 25R40	70.1	72.3	78.5	66.4	63.7
AGS 2024		68.7	73.5	64.8	52.5
Dyna-Gro 9522		63.7	70.0	57.9	57.6
USG 3228		62.2	68.9	59.1	52.8
AGS 2038			74.3	60.4	53.5
USG 3329			71.9	57.1	61.2
Dyna-Gro 9701			71.3	59.1	55.7
USG 3118			69.0	61.9	57.8
Go Wheat GW 2032				64.4	54.5
#Fury				64.4	57.8
TX15D9597				64.2	58.2
#Turbo				62.8	53.9
Pioneer 75R74				62.3	58.6
TX15D9579				61.2	53.4
Dyna-Gro 9811				61.1	57.4
USG 3539				60.4	53.3
Monsanto WB-2418				60.3	54.8
Blackland 1812				57.7	52.3
Pioneer 25R61				54.6	47.4
Blackland 1828					69.1
Blackland 1889					63.2
TX16DDH579					59.4
Blackland 1853					57.8
Agri-Pro SY 547					57.6
USG 3230					56.8
Monsanto WB-2606					56.5
Blackland 1825					54.7
USG 3640					54.4
Dyna-Gro 9002					53.9
AGS 3040					51.5

Texas 2020 Soft Red Winter Wheat Characteristics¹ page 6 in the state variety trial results

Variety	Company	First Year Sold	Maturity Group	Leaf Rust	Stripe Rust	Awned/Awnless	Hessian Fly
#Fury	Progeny	--	Medium	R	R*	Awnless	MS
#Turbo	Progeny	--	Medium	R	R	Awnless	--
AgriMAXX 481	AgriMAXX	--	Early	MR*	MR*	Awned	--
AgriMAXX 492	AgriMAXX	--	Medium	--	--	Awned	--
AGS 2024	AgSouth Genetics	2015	Early	R	MR	Awned	MS
AGS 2038	AgSouth Genetics	2012	Medium Late	R	R	Awned	MS
AGS 2055	AgSouth Genetics	2016	Medium	R	R	Awned	R
AGS 2040	AgSouth Genetics	--	Early	R*	R*	Awned	--
AGS 3000	AgSouth Genetics	2016	Early	MR	R	Awned	R
AGS 3015	AgSouth Genetics	--	Early	--	--	Awned	--
AGS 3040	AgSouth Genetics	--	Medium	--	--	Tip-Awned	--
Blackland 1812	Blackland Seeds	2018	Medium Late	--	--	Awned	--
Blackland 1825	Blackland Seeds	--	Late	--	MS	Awned	--
Blackland 1881	Blackland Seeds	2018	Medium	MR	--	Awned	--
Blackland 1885	Blackland Seeds	2018	Medium Late	R	--	Awned	--
Dyna-Gro 9002	Dyna-Gro Seeds	--	Medium Late	--	--	--	--
Dyna-Gro 9701	Dyna-Gro Seeds	--	Medium Early	R*	R*	Awned	MR
Dyna-Gro 9811	Dyna-Gro Seeds	--	Medium Early	R*	R*	Awned	--
Dyna-Gro Blanton	Dyna-Gro Seeds	--	Early	--	--	Awned	--
Dyna-Gro Plantation	Dyna-Gro Seeds	--	Early	--	--	Awned	--
Dyna-Gro Riverland	Dyna-Gro Seeds	--	Early	--	--	Awned	--
Dyna-Gro Runtledge	Dyna-Gro Seeds	--	Early	--	--	Awned	--
Dyna-Gro Savoy	Dyna-Gro Seeds	--	Early	R	R	Awnless	R
Dyna-Gro TV8861	Dyna-Gro Seeds	--	Medium Late	S	R*	Awned	--
Go Wheat 6000	Stratton Seed Co.	2019	Medium	MR	R	Awned	MR
Go Wheat LA754	Stratton Seed Co.	--	Early	R	MS	--	--
GoWheat 2032	Stratton Seed Co.	--	Medium Early	R	--	Awned	R
GoWheat LA754	Stratton Seed Co.	--	Early	R	--	Awned	MS
Pioneer 25R40	Corteva	--	Late	S	MR	Awned	MS
USG 3118	UniSouth Genetics	--	Early	R*	MR*	Awned	--
USG 3120	UniSouth Genetics	2010	Early	R	MS	Awned	R
USG 3329	UniSouth Genetics	--	Medium Late	R	MS	Awned	--
USG 3458	UniSouth Genetics	2017	Medium	MR*	R*	Awnless	--
USG 3536	UniSouth Genetics	2016	Medium Late	MR	R	Awned	MR
USG 3539	UniSouth Genetics	--	Late	MR*	MR*	Awned	--
USG 3640	UniSouth Genetics	--	Medium	R*	MR*	Awned	--
USG 3895	UniSouth Genetics	2015	Medium Late	R	R	Awned	S
WB 2418	Monsanto	2018	Medium Late	R	R	Tip-Awned	--
WB2606 brand	Monsanto	2019	Late	--	--	Awned	--

1

S - Susceptible, MS - Moderately Susceptible, MR - Moderately Resistant, and R - Resistant. ALL ratings are subject to change as re-evaluation occurs. *Indicates rating NOT necessarily observed in Texas trials, but from other sources.

**2020 Uniform Wheat Variety Trial: SRWW,
 Blacklands Regional Summary**

Rank ¹	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			AVG	Ennis	Hillsboro	McGregor	AVG
1	GA10268 17LE16	University of Georgia	71.5	69.1	69.2	76.2	58.8
2	USG 3895	UniSouth Genetics	71.2	76.7	71.1	65.7	58.0
3	Dyna-Gro Plantation	Dyna-Gro Seeds	71.1	67.8	70.1	75.4	59.9
4	LANC11558 33	Louisiana State University	70.9	70.5	64.3	77.9	60.0
5	WB 2606 brand	WestBred	70.6	77.2	64.7	70.0	59.4
6	TX16DDH579*	TAMU	70.4	70.3	64.7	76.3	61.6
7	Progeny PGX18 8	Progeny	68.7	73.7	71.1	61.4	58.8
8	USG 3640	UniSouth Genetics	68.0	69.7	67.1	67.4	60.3
9	Go Wheat 2032	Stratton Seed Co.	68.0	67.7	73.2	63.0	58.9
10	AgriMAXX 492	AgriMAXX	67.5	63.9	66.1	72.5	58.9
11	USG 3536	UniSouth Genetics	67.5	66.4	61.7	74.3	58.2
12	Dyna-Gro Riverland	Dyna-Gro Seeds	66.9	65.8	62.9	72.0	60.3
13	USG 3118**	UniSouth Genetics	66.8	63.5	68.7	68.4	59.6
14	Progeny PGX19 15**	Progeny	66.4	72.5	66.3	60.5	58.5
15	Blackland 825	Blackland Seeds	66.4	73.4	55.5	70.4	57.4
16	AGS 2038	AgSouth Genetics	66.3	68.3	64.5	66.2	58.1
17	AgriMAXX 481	AgriMAXX	66.2	65.9	65.4	67.2	59.6
18	Go Wheat 6000	Stratton Seed Co.	66.2	62.8	71.4	64.3	58.1
19	Dyna-Gro 9701	Dyna-Gro Seeds	66.0	70.6	58.7	68.7	57.8
20	AGS 2055	AgSouth Genetics	66.0	65.1	64.3	68.7	58.4
21	Dyna-Gro 9002	Dyna-Gro Seeds	64.9	67.6	56.3	70.9	57.9
22	GA10407 17E8	University of Georgia	64.9	62.9	67.8	63.9	58.8
23	USG 3539	UniSouth Genetics	64.3	70.6	58.2	64.3	59.2
24	TX15D9579*	TAMU	64.0	62.6	70.0	59.5	57.9
25	AGS 2024	AgSouth Genetics	63.9	59.0	71.6	61.1	58.5
26	ARLA09137UC 17 2	University of Arkansas	63.6	59.9	66.0	65.0	58.5
27	Progeny PGX18 11	Progeny	62.9	58.8	67.4	62.7	57.5
28	USG 3329	UniSouth Genetics	62.9	72.5	57.7	58.5	58.8
29	Dyna-Gro 9811	Dyna-Gro Seeds	62.7	64.2	59.3	64.6	59.2
30	Progeny PGX18 9	Progeny	62.4	66.8	68.6	51.8	57.3
31	GA11656 17E11	University of Georgia	61.6	62.0	63.9	59.0	60.0
32	Dyna-Gro Rutledge	Dyna-Gro Seeds	61.5	52.6	70.5	61.4	58.2
33	Progeny #FURY**	Progeny	61.1	55.4	62.6	65.3	59.5
34	Progeny PGX19 17**	Progeny	60.8	53.7	70.4	58.3	57.6
35	Blackland 1812	Blackland Seeds	60.1	64.6	53.3	62.3	58.1
36	GA101004 17LE17	University of Georgia	59.9	57.8	61.2	60.7	60.1
37	FL14167LDH 158	University of Florida	59.6	58.9	63.3	56.4	58.1
38	Progeny #TURBO**	Progeny	59.6	60.5	59.4	58.8	56.9
39	GA09436 16LE12	University of Georgia	58.7	56.8	61.7	57.6	61.7
40	LA12080LDH 72**	Louisiana State University	58.3	50.7	61.9	62.2	57.8

**2020 Uniform Wheat Variety Trial: SRWW,
Blacklands Regional Summary**



Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			AVG	Ennis	Hillsboro	McGregor	AVG
41	GA101298 17LE11 [*]	University of Georgia	57.7	54.4	62.1	56.7	59.3
42	ARLA06146E 1 4	University of Arkansas	57.7	51.6	58.9	62.6	59.2
43	Progeny PGX18 2	Progeny	57.2	63.4	57.4	50.8	58.9
44	TX15D9597*	TAMU	57.0	51.4	59.1	60.6	58.7
45	Go Wheat LA754	Stratton Seed Co.	57.0	55.6	61.8	53.7	56.8
46	AGS 3040**	AgSouth Genetics	56.9	51.4	62.4	56.9	58.3
47	FL14078LDH 28	University of Florida	55.6	51.7	62.4	52.8	58.2
48	LA15203 LDH112	Louisiana State University	54.6	53.8	53.3	56.7	58.6
49	LA15203 LDH274	Louisiana State University	51.9	41.0	54.9	59.9	57.6
50	LA12275DH 56	Louisiana State University	51.5	48.0	50.1	56.5	59.4
51	FLLA10033C 6	University of Florida	51.3	49.4	53.1	51.3	57.7
52	LA15166 LDH272**	Louisiana State University	49.9	44.7	54.9	50.1	59.0
53	Dyna-Gro Blanton	Dyna-Gro Seeds	-	-	74.1	74.2	58.3
54	AGS 3015	AgSouth Genetics	-	-	63.1	59.7	58.7
LSD (0.05)			4.2	6.0	7.2	8.4	0.9
CV (%)			7.1	5.4	7.0	8.2	1.6
Mean			62.7	62.1	63.2	63.1	58.7

*Experimental breeding line. **

Awnless variety.

[†]Varieties ranked according to 3-location yield averages.

HRWW vs. SRWW Highlight Summary

- The Howe location was planted on November 4 and harvested on June 8. The Greenville location was planted on November 19 and harvested on June 10.
- The highest yielding Hard Red Winter Wheat (**HRWW**) varieties were Syngenta Monument in the Howe location and TAM 205 for the Greenville site.
- TAM 205 had the highest test weight in both locations for the HRWW varieties.
- Leaf rust (*Puccinia recondita*) infection levels were not observed this growing season for both locations. Stripe rust (*Puccinia striiformis*) infection pressure was low and only observed in the Howe location.
- Septoria leaf blotch was abundant in both locations with most leaves showing lesions in early spring until heading. HRWW varieties that showed symptoms and may have lost yield due to Septoria include: SY Monument, Monsanto WB-Cedar, Monsanto WB-4269, Monsanto WB-4303, Monsanto WB-4418, TAM 114, and Gallagher. TAM 205 showed the lowest Septoria symptoms and Gallagher was the worst. In general, HRWW varieties show more diseases than SRWW varieties.
- Blackland 1812, Blackland 1825, Blackland 1853, Blackland 1889, Pioneer 25R40, Pioneer 75R74, Agri-Pro SY 547, Dyna-Gro 9012, Dyna-Gro 9522, USG 3230, USG 3329, USG 3536, USG 3539, Monsanto WB-2418, Monsanto WB-2606, Syngenta Monument (**HRWW**) and Monsanto WB-4699 (**HRWW**) were removed from the yield analysis in the Greenville location due to sustaining a Head Trapping/Injury rating of ≥ 5.0 and were not included in the two location average for yield (Table 5).
- The Greenville location sustained herbicide injury on some of the varieties that were in the optimum stage of development for the injury to occur. The varieties affected displayed head trapping and bent stems. The damage was observed as head trapping and a rating of 0-10 was assigned (0 – None, 10 – 100%).
- The SRWWs produced an average of 3.0 more bushels per acre than the HRWWs at Howe. The SRWWs produced an average of 0.8 more bushels per acre than the HRWWs at Greenville.
HRWW bushel weights averaged 1.2 pounds heavier than SRWWs at the Greenville location. HRWW bushel weights averaged 0.7 pounds heavier than the SRWWs at the Howe location.

Yield stability is the most important consideration when selecting wheat varieties to plant in northeast Texas. It is risky to make varietal choices based on one year's results because weather conditions and disease pressures vary greatly from year to year. Therefore, performance over a number of years and locations is the best indicator of varietal stability. However, it is difficult to test the same varieties for multiple years since new varieties are being introduced. The hard red winter wheat varieties are individually selected for comparison in these studies.

Table 9 on the next page represents a summary of the selected hard red winter wheat varieties over a six year period from 2015-2020.

2020 Texas Hard Red Winter Wheat Characteristics¹ from page 5 in the state trial results publication

Variety	Company	First Year	Height (inches)	Stripe Rust	Stem Rust	Septoria Leaf Blotch	Tan Spot	Powdery Mildew	Wheat Streak Mosaic	Barley Yellow Dwarf	Green-bug	Hessian	
			Tall	R*			MR*	Intermediate	Intermediate				
Texas 2020 Hard Red Winter Wheat Characteristics ¹													
		Sold	Maturity Group	Leaf Rust									Fly
Baker's Ann	OSU	2018	Early*	MR*	-	MR*	-	-	-	-	-	S*	
Bob Dole	Syngenta	2018	Medium*	R*	R*	MR*	-	MR*	R*	-	-	S*	
CP7010	Croplan	2020	Medium*	R	S	-	-	-	-	-	-	-	
CP7869	Croplan	2019	Med Late*	R	MR	R*	-	-	-	-	-	-	
Gallagher	OSU	2013	Medium	S	R	MR	-	MR	-	-	-	R	
Green Hammer	OSU	2018	-	R*	R*	-	-	-	-	-	-	MR*	
Greer	Syngenta	2010	Medium	S	MR	R	-	S	-	-	-	MS	
Iba	OSU	2013	Medium	MS	MR	R	-	MR	-	-	-	MS	
LCS Chrome	Limagrain	2017	Med Late*	R*	R*	S*	-	-	MS*	R*	-	R*	
LCS Mint	Limagrain	2012	Med Late	S	MR	R	-	MS	-	-	-	S	
Lonerider	OSU	2017	Early*	MR*	MS*	-	-	S*	-	-	-	MS*	
PlainsGold Canvas	PlainsGold	2018	Medium*	MS*	R*	R*	-	-	MR*	-	-	-	
PlainsGold Guardian	CSU	2019	Medium	Medium	R	R	-	-	R	-	-	-	
PlainsGold Langin	PlainsGold	2016	Early*	MR*	R*	-	-	-	MS*	-	-	-	
Showdown	OSU	2018	-	MR*	R*	-	-	-	-	MS*	-	R*	
Spirit Rider	Unknown	2017	Intermediate	MR*		MR*	MR*	Intermediate	MS*	MS*	-	-	
SY Flint	Syngenta	2015	Med Early*	S	MR*	R*	-	MS*	MS*	MS*	-	-	
SY Grit	Syngenta	2016	Medium*	S	R	R	-	MS	-	-	-	-	
SY Monument	Syngenta	2015	Med Late*	MR	MR	-	-	MS	-	MR	-	-	
SY Rugged	Syngenta	2017	Med Early*	MS	R*	-	-	-	-	-	-	MS	
T158	Limagrain	2009	Medium	MS	MR	MS	-	MR	MS	-	-	S	
TAM 111	Syngenta	2003	Medium	S	S	R	MR	MR	MS	MS	S	MS	
TAM 112	Watley Seed	2005	Med Early	S	S	R	MR	MR	R	MR	MS	R	
TAM 113	Adaptive Genetics	2012	Medium	R	R	R	-	MS	MS	-	-	S	
TAM 114	Adaptive Genetics	2014	Medium	MR	R	R	-	MR	MS	-	S	S*	
TAM 115	TAMU	2019	Late	R	R	R	-	-	-	-	R	-	
TAM 204**	Watley Seed	2014	Medium	S	MR	R	-	MR	MR	-	R	R	
TAM 205	TAMU	2019	Late	R	R	R	-	-	R	-	-	-	
TAM 304	Scott Seed	2007	Med Early	MS	MR	R	-	MS	MR	MS	MS	S	
TAM 401**	Syngenta	2008	Early	MS	R	R	-	MR	MS	-	S	MS	
TAM W-101	TAMU	1971	Med Late	MS	MS	R	-	S	-	-	-	S	
WB 4269	Bayer	2016	Med Early*	MS	MR*	-	-	-	-	-	-	S	
WB 4303	Bayer	2016	Medium*	S	MS	-	-	S	-	-	-	-	
WB 4418	Bayer	2015	Med Late	S	MR	-	-	-	-	-	-	-	
WB 4515	Bayer	2016	Med Early*	S	MR	MR	-	MR	-	-	-	S	
WB 4595	Westbred	2019	Medium	-	MR	R	-	MS	S	-	MR	-	
WB4699	Bayer	2018	Med Late*	MR*	MR*	-	-	MR*	R*	MS*	MR*	MS*	
WB 4792	Bayer	2018	Med Late*	R*	MR*	-	-	MS*	S*	MS*	MR*	MR*	
WB Cedar	Bayer	2011	Early	S	MR	R	-	MR	-	-	-	S*	
Weathermaster 135**	Unknown	Unknown	Medium	MR	MS	S	-	MS	-	-	-	-	
Winterhawk	Bayer	2007	Medium	MS	MR	S	-	MS	-	-	-	S	

¹ S - Susceptible, MS - Moderately Susceptible, MR - Moderately Resistant, I - Intermediate, and R - Resistant.
 Heights are an average across the Texas Panhandle in 2014.

*Indicates rating NOT necessarily observed in Texas trials, but from other sources.
 **Awless.

2020 Uniform Wheat Variety Trial: HRWW & SRWW, Howe, TX

Rank [†]	Variety	Class	Source	Yield				Test Wt (lb/bu)
				(bu/ac)				
				4-Year [‡]	3-Year	2-Year	2020	
1	AGS 2055	SRWW	AgSouth Genetics	74.3	75.5	66.2	54.9	61.9
2	USG 3895	SRWW	UniSouth Genetics	67.2	74.5	66.7	59.5	61.8
3	Go Wheat GW 6000	SRWW	Stratton Seed Co.	63.0	70.0	63.5	62.1	62.3
4	SY Monument	HRWW	Syngenta	61.4	66.5	58.3	62.5	61.9
5	USG 3536	SRWW	UniSouth Genetics	59.2	68.0	57.3	52.9	60.9
6	Gallagher	HRWW	OSU	55.8	59.8	53.8	51.3	62.4
7	SY Grit	HRWW	Syngenta	53.0	59.1	51.1	49.8	62.6
8	AGS 2038	SRWW	AgSouth Genetics		68.2	60.4	53.5	62.4
9	AGS 2024	SRWW	AgSouth Genetics			64.8	52.5	63.4
10	Fury**	SRWW	Progeny			64.3	57.8	62.6
11	TX15D9597*	SRWW	TAMU			64.2	58.2	63.2
12	Turbo**	SRWW	Progeny			62.8	53.9	60.4
13	USG 3118	SRWW	UniSouth Genetics			61.9	57.8	61.8
14	TX15D9579*	SRWW	TAMU			61.2	53.4	62.4
15	USG 3539	SRWW	UniSouth Genetics			60.3	53.3	62.8
16	USG 3228**	SRWW	UniSouth Genetics			59.1	52.8	60.2
17	USG 3329	SRWW	UniSouth Genetics			57.1	61.2	60.7
18	Blackland 1828	SRWW	Blackland Seeds				69.1	60.7
19	Pioneer 25R40	SRWW	Corteva			66.4	63.7	62.1
20	Blackland 1889**	SRWW	Blackland Seeds				63.2	60.4
21	Agri-Pro SY Viper**	SRWW	Syngenta			64.7	61.9	61.8
22	TX16DDH579*	SRWW	TAMU				59.4	64.3
23	Pioneer 75R74	SRWW	Corteva				58.6	62.3
24	Blackland 1853	SRWW	Dyna-Gro Seeds				57.9	63.6
25	Dyna-Gro 9012	SRWW	Blackland Seeds			58.2	57.8	61.8
26	TAM 205	HRWW	TAMU				57.7	64.7
27	Agri-Pro SY 547**	SRWW	Syngenta				57.6	61.1
28	Dyna-Gro 9522	SRWW	Dyna-Gro Seeds				57.6	61.1
29	Dyna-Gro 9811	SRWW	Dyna-Gro Seeds				57.5	62.6
30	USG 3230	SRWW	UniSouth Genetics				56.8	61.0
31	WB 2606	SRWW	Monsanto				56.5	61.9
32	Dyna-Gro 9701	SRWW	Dyna-Gro Seeds			59.1	55.7	61.6
33	WB 4269	HRWW	Monsanto			53.5	55.2	62.7
34	WB 2418	SRWW	Monsanto				54.8	61.4
35	Blackland 1825	SRWW	Blackland Seeds				54.7	61.9
36	Go Wheat GW 2032	SRWW	Stratton Seed Co.			64.2	54.5	63.3
37	USG 3640	SRWW	UniSouth Genetics				54.4	62.5
38	Dyna-Gro 9002	SRWW	Dyna-Gro Seeds				53.9	60.1
39	WB 4418	HRWW	Monsanto			53.7	52.6	62.3
40	Blackland 1812	SRWW	Blackland Seeds			57.7	52.3	61.8
41	WB Cedar	HRWW	Monsanto			49.5	52.3	61.7
42	WB 4699	HRWW	Monsanto				52.2	62.5
43	AGS 3040	SRWW	AgSouth Genetics				51.5	61.8
44	WB 4303	HRWW	Monsanto			53.1	49.8	61.6
45	Pioneer 25R61	SRWW	Corteva			54.6	47.4	59.9
	LSD (0.05)			7.5	7.0	6.8	7.8	1.2
	CV (%)			2.8	3.4	3.7	9.9	1.7
	Mean			61.8	67.4	60.6	56.1	62.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2020 yield averages.[‡]4-year average based on 2017, 2018, 2019, and 2020 data

Table 9: Five Year Summary – Mean Yield (Bushels/Acre) of Selected Hard Red Winter Wheat Varieties in Northeast Texas. 2015 (Leonard, Royse City and Howe), 2016 (Leonard and Howe), 2017 (Leonard, Howe and Greenville), 2018 (Bailey, Howe and Greenville), 2019 (Howe) and 2020 (Howe and Greenville)

Variety	5-Year	4-Year	3-Year	2-Year	2020
Syngenta Monument <i>(HRWW)</i>	59.0	63.0	66.4	58.4	62.5
Gallagher <i>(HRWW)</i>	56.4	57.2	59.5	50.0	43.7
Monsanto WB-Cedar <i>(HRWW)</i>	47.2	49.4	45.9	45.4	44.1
Syngenta Grit <i>(HRWW)</i>		51.6	57.3	46.7	41.0
Monsanto WB-4269 <i>(HRWW)</i>			57.4	49.1	46.3
Monsanto WB-4303 <i>(HRWW)</i>				50.8	45.1
Monsanto WB-4418 <i>(HRWW)</i>				50.6	46.4
Monsanto WB-4699 <i>(HRWW)</i>					52.2
TAM 205 <i>(HRWW)</i>					49.4
TAM 305 <i>(HRWW)</i>	53.4	58.3	60.7	63.4	
Syngenta Greer <i>(HRWW)</i>	49.2	53.4	54.4	62.8	
TAM 114 <i>(HRWW)</i>		38.7	44.2	43.0	
Iba <i>(HRWW)</i>			41.4	43.3	
Monsanto WB-4458 <i>(HRWW)</i>				46.3	
Monsanto WB-4515 <i>(HRWW)</i>				57.0	

2019-20 Wheat @ Howe, TX (Norman Farms, Cooperator)
Fungicide Profitability Study

VARIETIES/TREATMENT ²	Leaf Rust Infection on Flag Leaf (%) May 26, 2020	Yield (bu/ac) ¹	Yield Bush-el/Ac Increase over Unsprayed	Test Weight (lb/bu) ¹	Test Weight lb/bu Increase over Unsprayed
AGS 2038 - <i>Sprayed</i>	0.0 a	37.2	2.2	60.8 a-d	1.3
AGS 2055 - <i>Sprayed</i>	0.0 a	37.2	2.3	60.1 bcd	---
Go Wheat GW 2032 - <i>Sprayed</i>	0.0 a	35.8	2.4	61.9 a-d	0.0
Go Wheat GW 6000 - <i>Sprayed</i>	0.0 a	38.4	2.2	60.0 bcd	---
Dyna-Gro 9002 - <i>Sprayed</i>	0.0 a	38.4	4.0	60.6 a-d	1.4
Dyna-Gro 9012 - <i>Sprayed</i>	0.0 a	36.6	1.0	60.4 a-d	---
Dyna-Gro 9522 - <i>Sprayed</i>	0.0 a	36.0	3.4	60.7 a-d	1.1
Dyna-Gro 9701 - <i>Sprayed</i>	0.0 a	37.2	4.8	60.2 a-d	1.6
Dyna-Gro 9811 - <i>Sprayed</i>	0.0 a	35.0	---	60.1 bcd	0.4
Dyna-Gro TV 8861 - <i>Sprayed</i>	0.0 a	36.4	4.1	60.3 a-d	0.1
Pioneer 25R40 - <i>Sprayed</i>	0.0 a	38.0	1.8	60.3 a-d	0.0
Syngenta Coker 9553 - <i>Sprayed</i>	0.0 a	33.3	4.3	61.2 a-d	0.1
USG 3329 - <i>Sprayed</i>	0.0 a	37.6	2.8	61.6 a-d	3.5
USG 3536 - <i>Sprayed</i>	0.0 a	33.1	1.3	61.1 a-d	0.2
USG 3895 - <i>Sprayed</i>	0.0 a	37.3	---	60.2 a-d	0.2
Syngenta Monument (<i>HRWW</i>) - <i>Sprayed</i>	0.0 a	35.7	1.1	60.2 a-d	---
Monsanto WB-Cedar (<i>HRWW</i>) - <i>Sprayed</i>	0.0 a	35.7	5.5	62.0 a-d	1.3
Monsanto WB-4269 (<i>HRWW</i>) - <i>Sprayed</i>	0.0 a	38.0	1.0	62.6 abc	---
Monsanto WB-4303 (<i>HRWW</i>) - <i>Sprayed</i>	0.0 a	32.8	1.0	60.6 a-d	0.1
TAM 114 (<i>HRWW</i>) - <i>Sprayed</i>	0.0 a	33.7	0.0	62.8 abc	0.9
TAM 205 (<i>HRWW</i>) - <i>Sprayed</i>	0.0 a	32.3	0.8	64.1 a	0.7
Gallagher (<i>HRWW</i>) - <i>Sprayed</i>	0.0 a	35.2	4.9	61.4 a-d	0.0
AGS 2038 - <i>Unsprayed</i>	0.0 a	35.0		59.5 bcd	
AGS 2055 - <i>Unsprayed</i>	0.0 a	34.9		60.2 bcd	
Go Wheat GW 2032 - <i>Unsprayed</i>	0.0 a	33.4		61.9 a-d	
Go Wheat GW 6000 - <i>Unsprayed</i>	0.0 a	36.2		60.9 a-d	
Dyna-Gro 9002 - <i>Unsprayed</i>	1.7 ab	34.4		59.2 cd	
Dyna-Gro 9012 - <i>Unsprayed</i>	0.0 a	35.6		61.6 a-d	
Dyna-Gro 9522 - <i>Unsprayed</i>	3.3 bc	32.6		59.6 bcd	
Dyna-Gro 9701 - <i>Unsprayed</i>	1.7 ab	32.4		58.6 d	
Dyna-Gro 9811 - <i>Unsprayed</i>	0.0 a	37.4		59.7 bcd	
Dyna-Gro TV 8861 - <i>Unsprayed</i>	2.5 abc	32.3		60.2 a-d	
Pioneer 25R40 - <i>Unsprayed</i>	0.0 a	36.2		60.3 a-d	
Syngenta Coker 9553 - <i>Unsprayed</i>	0.0 a	29.0		61.1 a-d	
USG 3329 - <i>Unsprayed</i>	0.8 a	34.8		58.1 d	
USG 3536 - <i>Unsprayed</i>	0.8 a	31.8		60.9 a-d	
USG 3895 - <i>Unsprayed</i>	0.0 a	37.6		60.0 bcd	
Syngenta Monument (<i>HRWW</i>) - <i>Unsprayed</i>	0.0 a	34.6		60.6 a-d	
Monsanto WB-Cedar (<i>HRWW</i>) - <i>Unsprayed</i>	0.0 a	30.2		60.7 a-d	
Monsanto WB-4269 (<i>HRWW</i>) - <i>Unsprayed</i>	0.0 a	37.0		62.8 abc	
Monsanto WB-4303 (<i>HRWW</i>) - <i>Unsprayed</i>	0.0 a	31.8		60.5 a-d	
TAM 114 (<i>HRWW</i>) - <i>Unsprayed</i>	4.2 c	33.7		61.9 a-d	
TAM 205 (<i>HRWW</i>) - <i>Unsprayed</i>	0.0 a	31.5		63.4 ab	
Gallagher (<i>HRWW</i>) - <i>Unsprayed</i>	0.0 a	30.3		61.4 a-d	
LSD (P = .05)	1.62	NS		1.96	
CV (%)	417.3	11.28		2.31	
GRAND MEAN	0.34	34.86		60.81	

²TREATMENT: April 10, 2020 applied TebuStar @ 4 fl.oz/A + NIS @ 0.25% v/v

VARIETY/TREATMENT ²	Stripe Rust Infection on Flag Leaf (%) 4/30/20	Leaf Rust Infection on Flag Leaf (%) 5/15/20	Head Trapping (0-10) ¹	Yield (bu/ac)	Yield Bush-el/Ac Increase over Unsprayed	Test Weight (lb/bu)	Test Weight lb/bu Increase over Unsprayed
AGS 2038 – <i>Sprayed</i>	0.0 a	0.0 a	0.2 k	30.7 abc	2.9	60.5 a	0.2
AGS 2055 – <i>Sprayed</i>	0.0 a	0.0 a	0.5 k	26.5 a-f	---	60.0 ab	0.5
Go Wheat GW 2032 – <i>Sprayed</i>	0.0 a	0.0 a	0.5 k	33.9 a	2.0	60.6 a	0.6
AGS 3040 – <i>Sprayed</i>	1.7 a	0.0 a	2.5 jk	23.1 b-h	---	58.3 abc	---
Dyna-Gro 9002 – <i>Sprayed</i>	0.0 a	0.0 a	6.3 d-i	16.9 fgh	---	56.9 abc	0.2
Dyna-Gro 9012 – <i>Sprayed</i>	0.0 a	0.0 a	5.8 f-i	25.5 a-g	---	62.1 a	1.6
Dyna-Gro 9522 – <i>Sprayed</i>	0.0 a	0.0 a	6.5 d-i	19.1 d-h	---	58.1 abc	---
Dyna-Gro 9701 – <i>Sprayed</i>	0.0 a	0.0 a	7.2 b-g	15.2 gh	---	53.2 bc	---
Dyna-Gro 9811 – <i>Sprayed</i>	0.0 a	0.0 a	1.3 k	30.4 abc	6.6	60.9 a	---
Dyna-Gro TV 8861 – <i>Sprayed</i>	0.0 a	0.0 a	7.7 a-f	21.2 c-h	3.6	59.5 abc	0.9
Pioneer 25R40 – <i>Sprayed</i>	0.0 a	0.0 a	6.7 c-h	17.7 e-h	---	58.1 abc	---
Syngenta Coker 9553 - <i>Sprayed</i>	0.0 a	0.0 a	1.3 k	22.6 b-h	---	60.7 a	1.1
USG 3329 – <i>Sprayed</i>	0.0 a	0.8 a	9.7 a	17.9 e-h	1.2	58.6 abc	1.9
USG 3536 – <i>Sprayed</i>	0.0 a	0.0 a	9.2 ab	14.2 h	---	52.9 c	0.2
USG 3895 – <i>Sprayed</i>	0.0 a	0.0 a	5.7 f-i	21.4 c-h	---	59.1 abc	---
Syngenta Monument (<i>HRWW</i>) – <i>Sprayed</i>	0.0 a	0.0 a	8.8 abc	17.5 e-h	---	56.0 abc	---
Monsanto WB-Cedar (<i>HRWW</i>) – <i>Sprayed</i>	0.0 a	0.0 a	1.8 k	23.3 b-h	---	60.0 ab	---
Monsanto WB-4269 (<i>HRWW</i>) – <i>Sprayed</i>	0.0 a	0.0 a	1.2 k	27.3 a-f	2.6	61.8 a	1.3
Monsanto WB-4303 (<i>HRWW</i>) – <i>Sprayed</i>	0.0 a	0.0 a	0.0 k	21.8 b-h	0.0	60.6 a	1.9
TAM 114 (<i>HRWW</i>) – <i>Sprayed</i>	0.0 a	0.0 a	5.5 f-i	29.1 a-d	2.3	62.2 a	0.3
TAM 205 (<i>HRWW</i>) – <i>Sprayed</i>	0.0 a	0.0 a	2.5 jk	22.6 b-h	---	63.6 a	1.1
Gallagher (<i>HRWW</i>) – <i>Sprayed</i>	0.0 a	0.0 a	1.5 k	22.8 b-h	---	61.4 a	1.2
AGS 2038 – <i>Unsprayed</i>	0.0 a	0.0 a	0.3 k	27.8 a-e		60.3 a	
AGS 2055 – <i>Unsprayed</i>	0.0 a	0.0 a	0.3 k	29.5 a-d		59.5 abc	
Go Wheat GW 2032 – <i>Unsprayed</i>	1.7 a	0.0 a	0.8 k	31.9 ab		60.0 ab	
AGS 3040 – <i>Unsprayed</i>	28.3 c	0.0 a	1.5 k	29.6 a-d		58.9 abc	
Dyna-Gro 9002 – <i>Unsprayed</i>	12.5 b	3.3 a	5.5 f-i	18.6 e-h		56.7 abc	
Dyna-Gro 9012 – <i>Unsprayed</i>	0.0 a	5.8 b	5.2 ghi	26.7 a-f		60.5 a	
Dyna-Gro 9522 – <i>Unsprayed</i>	1.7 a	2.5 a	6.7 c-h	22.8 b-h		59.1 abc	
Dyna-Gro 9701 – <i>Unsprayed</i>	8.3 b	0.8 a	6.2 e-i	17.1 fgh		56.2 abc	
Dyna-Gro 9811 – <i>Unsprayed</i>	0.0 a	0.8 a	1.3 k	23.8 b-h		61.0 a	
Dyna-Gro TV 8861 – <i>Unsprayed</i>	0.0 a	8.3 c	8.5 a-d	17.6 e-h		58.6 abc	
Pioneer 25R40 – <i>Unsprayed</i>	0.0 a	0.8 a	5.3 f-i	20.3 c-h		60.1 ab	
Syngenta Coker 9553 – <i>Unsprayed</i>	0.0 a	0.0 a	1.2 k	24.2 b-h		59.6 abc	
USG 3329 – <i>Unsprayed</i>	0.0 a	9.2 c	9.7 a	16.7 fgh		56.7 abc	
USG 3536 – <i>Unsprayed</i>	0.0 a	0.8 a	8.8 abc	15.6 gh		52.7 c	
USG 3895 – <i>Unsprayed</i>	0.0 a	1.7 a	4.2 ij	22.8 b-h		59.2 abc	
Syngenta Monument (<i>HRWW</i>) – <i>Unsprayed</i>	4.2 a	0.0 a	8.2 a-e	19.5 d-h		58.9 abc	
Monsanto WB-Cedar (<i>HRWW</i>) – <i>Unsprayed</i>	0.0 a	0.0 a	1.5 k	23.9 b-h		60.1 ab	
Monsanto WB-4269 (<i>HRWW</i>) – <i>Unsprayed</i>	0.0 a	0.8 a	1.7 k	24.7 a-h		60.5 a	
Monsanto WB-4303 (<i>HRWW</i>) – <i>Unsprayed</i>	10.0 b	0.0 a	0.0 k	21.8 b-h		58.7 abc	
TAM 114 (<i>HRWW</i>) – <i>Unsprayed</i>	1.7 a	10.0 c	4.7 hi	26.8 a-f		61.9 a	
TAM 205 (<i>HRWW</i>) – <i>Unsprayed</i>	0.0 a	0.0 a	1.2 k	24.2 b-h		62.5 a	
Gallagher (<i>HRWW</i>) – <i>Unsprayed</i>	0.0 a	0.0 a	2.0 k	22.9 b-h		60.2 ab	
LSD (P = .05)	3.78	2.19	1.47	5.48		3.77	
CV (%)	208.98	185.07	32.04	20.99		5.59	
GRAND MEAN	1.59	1.04	4.02	22.94		59.24	

¹Head Trapping Scale (due to herbicide injury): 0 – None, 10 – 100%²TREATMENT: April 15, 2020 applied TebuStar @ 4 fl.oz/A + NIS @ 0.25% v/v

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Calendar

Sept (date TBA) Virtual Hunt County Hay Day

Nov 19 Hunt-Rockwall CEU training

Dec 10 Ag Technology Conference

For information on COVID-19

The Texas A&M AgriLife Extension Service is leading an education effort helping local governments with the Coronavirus Aid, Relief, and Economic Security (CARES) Act.

<https://agrillifeextension.tamu.edu/coronavirus/>

Extension Disaster Education Network (EDEN)

EDEN information on the Coronavirus can be found at:

<https://texashelp.tamu.edu/coronavirus-information-resources/>

USDA Resources can be found at:

<http://usda.gov/coronavirus>

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