

2020 Texas Wheat Variety Trial Results



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2020

Texas Wheat Uniform Variety Trials

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Texas A&M AgriLife Extension Service

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Introduction

The Uniform Wheat Variety Trial (UWVT), presented in the following pages, is coordinated and implemented by numerous Texas A&M AgriLife Research and Extension faculty and staff. We appreciate the cooperation from numerous Texas A&M AgriLife County Extension Agents, producers, universities, and private industry groups that contribute time, property, chemicals, and seed to conduct these field trials. Wheat market classes within these yield trials include Hard Red Winter Wheat (HRWW), Soft Red Winter Wheat (SRWW) and Hard Red Spring Wheat (HRSW).

During the 2019-20 wheat production season, Texas producers planted 4.8 million acres of wheat (up 6.7% from 2019), according to the National Agricultural Statistics Service (NASS). Texas wheat producers harvested 2.1 million acres for grain (up 2% from 2019), with an average yield of 32 bushels per acre.

The purpose of this publication is to provide unbiased yield data and disease and insect ratings for wheat producers across the state. Using this information, Texas wheat producers can make an educated decision concerning the most appropriate varieties for their geographic region.

Variety Selection:

Selection of small grain varieties is one of the most important decisions a producer will make. This decision impacts potential yield (forage and grain), seed quality (test weight and protein), disease and insect management and maturity. It is important that producers diversify the varieties planted on their farms. Variety diversification spreads the risk associated with potentially devastating pests (leaf rust, stripe rust, Hessian fly, Wheat streak mosaic virus, wheat curl mite, greenbugs, etc.) and yield loss from adverse environmental factors (freeze, drought, etc.).

Producers are advised to select no fewer than 2 or 3 varieties to plant on their farms and preferably more, depending upon the size and location of fields. Variety selection should be based upon a combination of sound data from university trials and other reliable sources. Wheat varieties should be chosen based on multiple years of data (yield, pest resistance, grain quality and maturity). High yield over multiple years and multiple locations demonstrates a variety's ability to perform well over diverse environmental conditions. Stable yield performance is an excellent variety selection tool. It is important to consider decreasing yields over a 2 or 3-year time frame, which may reflect a change in disease and/or insect resistance.

When selecting a variety for the 2020-21 season, producers need to consider multiple year averages, recognizing the unusual climatic conditions that impacted yield and quality over the past several years. It is strongly encouraged that producers look at the 3 and 4-year averages where available, and to look at numerous relevant variety trial locations. There are typically 20+ wheat variety trials conducted across the state each year, and most of these contain analyses for multiple years.

Interpreting the Data:

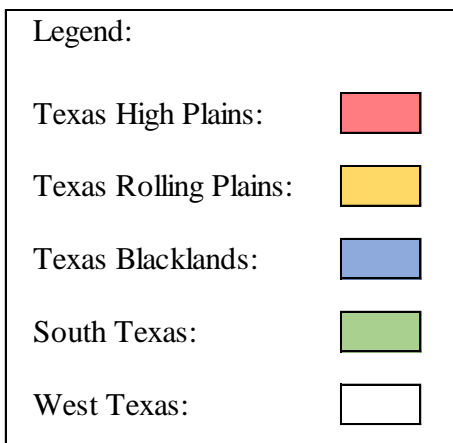
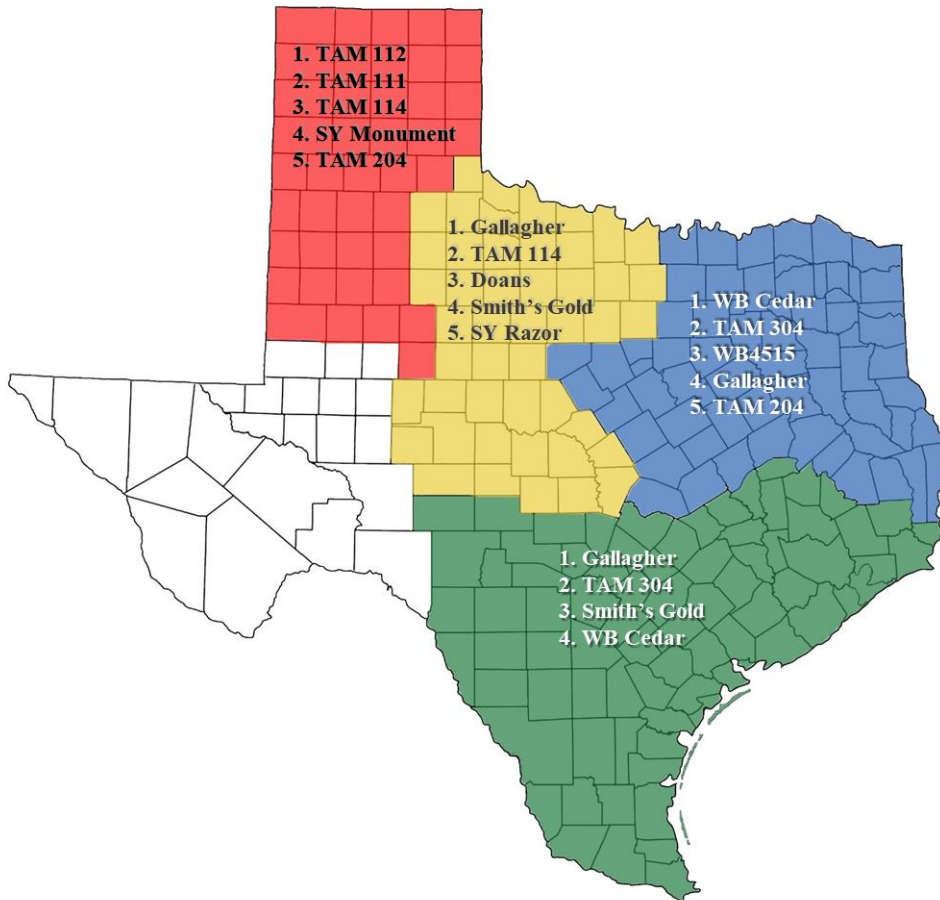
Yield and test weight at each location have been analyzed using appropriate statistical procedures. The statistical analysis provides the mean, CV, and LSD values. It is important to note these statistical values to prevent misinterpretation of any replicated data.

The mean is another term for the average. Therefore, a mean yield is the average of all plots within a trial. Individual variety yields can be compared to the mean yield to determine how these varieties performed within the trial (i.e. were they above or below average?). This average can also be used as an indication of the environment for that location. A low mean yield can indicate poor growing conditions were experienced in that season; likewise, a high yield average can indicate favorable growing conditions.

The CV (Coefficient of Variation) value, expressed as a percentage, indicates the level of unexplained variability present within the trial. A high CV value indicates a lot of variability existed within the trial not related to normal variations that might be expected between the varieties in the test. This variability may be the result of non-uniform stands, non-uniform insect or disease pressure, variability in harvesting, or other issues. CV values in excess of 15% signify that there were problems in the trial, leading the reader to question the validity of the data as a true representation of varietal performance.

The LSD (Least Significant Difference) value is a numeric range to help the reader determine if the varieties performed differently from one another within the trial. If the LSD value is 5 bu/ac in a trial in which Variety A yielded 36 bu/a and Variety B yielded 30 bu/a, then Variety A is said to be significantly better. In that same trial with an LSD value of 5 bu/ac at a 0.05 (5%) significance level, the statistical inference one could say is that Variety A would yield better than Variety B in 19 out of 20 trials conducted in which there was at least a 5 bushel difference in yield. In this hypothetical comparison, you might have a 20th trial with a 5 bu/ac difference that there is not truly a statistical difference between Variety A and B, but random chance caused the 5 bushel difference.

Texas Wheat Regions Map: 2020 Top 5 Planted Varieties by Region



Data retrieved from the USDA-NASS 2020 Texas Wheat Survey

2020 Texas Region Overview

Texas High Plains: Variable rainfall in August and September resulted in varying planting conditions across the Texas High Plains. Some fields were planted with replenished soil moisture while other fields were dry sowed. October 2019 rains delivered valuable moisture for the region's wheat crop. There was minimal winter precipitation through the central and northern Panhandle resulting in another dry winter. Dryland fields benefited from March rain. April freezes resulted in varying degrees of injury to regional wheat fields, which were most evident on early planted fields planted with earlier maturing varieties. Conditions rapidly changed in late April. Above average temperatures through May and June drove the crop water demand resulting in water stress in both dryland and limited irrigated fields during anthesis through grain fill. Because of warm, dry conditions, disease pressure was minimal during late spring. Hailstorms across the region resulted in significant hail injury to many regional wheat fields. Even with extreme environmental conditionals, yields were above the long-term average in many areas.

Texas Rolling Plains: The wheat season started with hot and dry conditions in the fall of 2019. Soil temperature was not optimum for planting wheat until the first week of October. Dry months continued to the end of December, which reduced winter forage productivity throughout the Texas Rolling Plains. Dryland wheat gradually improved with the spring precipitation during January to March. Late-freezes in mid-April resulted in the freeze injury in many wheat fields across the region. Furthermore, golf-ball size hail hit spotted areas in the region in early May, which again resulted in the reduced yield potential. Leaf and strip rust pressures were lower than average. There were some reports of loose smut disease of wheat.

Texas Blacklands: The 2019/2020 growing season was characterized by prolonged rains from the start and in many instances the excessive rain delayed planting. Heavy rains in January also delayed topdressing and herbicide applications. The occurrence of a cold front in March brought below freezing temperatures that caused some freeze damage to cold sensitive varieties in some fields. The wet conditions observed during the early growth caused the occurrence of Septoria Leaf Blotch and Black Chaff (Bacterial Leaf Steak, Bacterial Stripe) in some areas, which affected yield to some degree. Wet conditions continued in May and June delaying harvest in some fields.

South Texas. Very hot and dry conditions characterized the beginning of the 2019/2020 growing season, followed by a cold weather and rain in late October, which allowed timely plantings for most of the locations. Relative warmer temperatures during early growth caused vernalization problems at some locations. Freezing temperature conditions observed in late February affected to some degree the normal growth of wheat, especially of hard-red and soft-red early maturing winter varieties. Disease pressure was not as high as what was observed in previous seasons, although the occurrence of leaf rust and to a minor extent of stripe rust caused yield damage in some fields.

Texas 2020 Hard Red Winter Wheat Characteristics¹

Variety	Company	First Year Sold	Maturity Group	Height (inches)	Leaf Rust	Stripe Rust	Stem Rust	Septoria Leaf Blotch	Tan Spot	Powdery Mildew	Wheat Streak Mosaic	Barley Yellow Dwarf	Green-bug	Hessian Fly
Baker's Ann	OSU	2018	Early*	Tall	MR*	R*	-	MR*	MR*	Intermediate	-	Intermediate	-	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	31	S	R	MR	-	-	MR	-	-	-	R
Green Hammer	OSU	2018	-	-	R*	R*	-	-	-	-	-	-	-	MR*
Greer	Syngenta	2010	Medium	32	S	MR	R	-	-	S	-	-	-	MS
Iba	OSU	2013	Medium	32	MS	MR	R	-	-	MR	-	-	-	MS
LCS Chrome	Limagrain	2017	Med Late*	32	R*	R*	S*	-	-	-	MS*	R*	-	R*
LCS Mint	Limagrain	2012	Med Late	33	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	-	-	-	R	-	-	-
PlainsGold Langin	PlainsGold	2016	Early*	-	MR*	R*	-	-	-	-	MS*	-	-	-
Showdown	OSU	2018	-	-	MR*	R*	-	-	-	-	-	MS*	-	R*
Spirit Rider	Unknown	2017	Intermediate	31	MR*	-	MR*	MR*	MR*	Intermediate	MS*	MS*	-	-
SY Flint	Syngenta	2015	Med Early*	31	S	MR*	R*	-	-	MS*	MS*	MS*	-	-
SY Grit	Syngenta	2016	Medium*	31	S	R	R	-	-	MS	-	-	-	-
SY Monument	Syngenta	2015	Med Late*	31	MR	MR	-	-	-	MS	-	MR	-	-
SY Rugged	Syngenta	2017	Med Early*	29	MS	R*	-	-	-	-	-	-	-	MS
T158	Limagrain	2009	Medium	30	MS	MR	MS	-	-	MR	MS	-	-	S
TAM 111	Syngenta	2003	Medium	32	S	S	R	MR	MR	MR	MS	MS	S	MS
TAM 112	Watley Seed	2005	Med Early	30	S	S	R	MR	MR	R	MR	MS	R	S
TAM 113	Adaptive Genetics	2012	Medium	32	R	R	R	-	-	MS	MS	-	-	S
TAM 114	Adaptive Genetics	2014	Medium	32	MR	R	R	-	-	MR	MS	-	S	S*
TAM 115	TAMU	2019	Late	-	R	R	R	-	-	-	-	-	R	-
TAM 204**	Watley Seed	2014	Medium	32	S	MR	R	-	-	MR	MR	-	R	R
TAM 205	TAMU	2019	Late	-	R	R	R	-	-	-	R	-	-	-
TAM 304	Scott Seed	2007	Med Early	30	MS	MR	R	-	MS	MR	MS	MS	S	R
TAM 401**	Syngenta	2008	Early	32	MS	R	R	-	-	MR	MS	-	S	MS
TAM W-101	TAMU	1971	Med Late	31	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	28	-	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	26	S	MR	R	-	-	MR	-	-	-	S*
Weathermaster 135**	Unknown	Unknown	Medium	27	MR	MS	S	-	-	MS	-	-	-	-
Winterhawk	Bayer	2007	Medium	32	MS	MR	S	-	-	MS	-	-	-	S

¹S - Susceptible, MS - Moderately Susceptible, MR - Moderately Resistant, I – Intermediate, and R - Resistant.

²Heights are an average across the Texas Panhandle in 2014.

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

**Awnless.

Texas 2019 Soft Red Winter Wheat Characteristics¹

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	--

¹S - 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.

Texas 2019 Hard Red Spring Wheat Characteristics¹

Variety	Source	First Year Sold	Maturity Group	Height (inches)	Leaf Rust	Stripe Rust	Awned/Awnless
Espresso	Monsanto	2007	Med Early	28	MR	R	Awned
LCS Trigger	Limagrain	2016	Med Early	30	R	MS	Awned
TAM 801	TAMU	--	Med Late	26	R	R	Awned
WB 9350	Monsanto	2018	Med Early	--	MR*	R*	Awned
WB 9411	Monsanto	2015	Early	27	MS	MR	Awned
WB 9518	Monsanto	2015	Early	26	MR	R	Awned
WB 9662	Monsanto	--	Med Early	25	MD	R*	Awned
WB 9668	Monsanto	--	Med Early	24	MS	R*	Awned

¹S-Susceptible, MS-Moderately Susceptible, MR-Moderately Resistant, and R-Resistant.

All ratings are subject to change as re-evaluation occurs,

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

Texas Locations Agronomic Data

High Plains: 2020

Location ¹	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/A)	Water*	Seeding Rate
Bushland Dryland	Texas A&M Agrilife Research and Extension Center	Drought	10/15/2019	None	D	600K Seeds/Ac
Bushland Irrigated	Texas A&M Agrilife Research and Extension Center	None	10/22/2019	120	IF	1.1M Seeds/Ac
Dalhart	3B Farms	Abandoned	11/14/2019	--	IF	1.1M Seeds/Ac
Dumas	Reznik Farms	None	11/15/2019	145	IL	1.1M Seeds/Ac
Groom	John Weinheimer	Hail	11/14/2019	60	D	600K Seeds/Ac
Perryton	Ramon Vera	Drought	9/25/2019	--	D	600K Seeds/Ac

*Irrigation: IF = Irrigated Full, IL = Irrigated Limited, D = Dryland

¹All locations conventionally tilled.



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2020 Uniform Wheat Variety Trial: HRWW, High Plains Irrigated Regional Summary

Rank [†]	Variety	Source	AVG	Yield (bu/ac)		Test Wt (lb/bu)
				Bushland	Dumas	AVG
1	PlainsGold Langin	CSU	98.3	93.3	103.2	60.8
2	WB 4595	WestBred	97.4	99.4	95.5	63.2
3	WB 4792	WestBred	96.5	97.9	95.1	62.4
4	CP7010	Croplan	95.2	90.5	99.9	62.9
5	TX14A001035*	TAMU	95.1	95.9	94.3	62.8
6	CP7017AX	Croplan	93.9	87.5	100.2	60.7
7	PlainsGold Canvas	CSU	93.5	93.6	93.4	61.3
8	OK168512	OSU	93.4	90.7	96.1	62.8
9	Winterhawk	WestBred	93.4	88.6	98.2	61.6
10	TX14M7061*	TAMU	92.2	94.7	89.7	61.4
11	LCS Valiant	Limagrain	91.5	77.5	105.4	63.0
12	09BC308-14-16	Syngenta	91.0	86.3	95.6	60.5
13	TAM 114	TAMU	91.0	76.9	105.0	62.0
14	SY Wolverine	Syngenta	89.2	86.5	91.9	61.7
15	CP7869	Croplan	86.9	85.7	88.1	60.2
16	OK12206-2	OSU	86.7	84.7	88.7	60.0
17	PlainsGold Guardian	CSU	86.3	82.1	90.6	61.9
18	TAM 205	TAMU	84.9	75.7	94.0	63.1
19	TX14V70214*	TAMU	84.4	75.5	93.4	60.3
20	Iba	OSU	84.3	77.9	90.7	62.3
21	TAM 204**	TAMU	84.0	78.6	89.4	59.2
22	WB 4303	WestBred	82.0	82.4	81.6	57.4
23	Baker's Ann	OSU	81.2	71.8	90.5	61.9
24	TAM 113	TAMU	80.9	84.0	77.7	61.5
25	Lonerider	OSU	80.9	75.7	86.0	61.0
26	T158	Limagrain	80.5	64.0	97.1	61.0
27	TAM 112	TAMU	80.3	84.0	76.5	61.5
28	TAM 111	TAMU	79.6	76.4	82.9	61.0
29	SY Monument	Syngenta	78.7	75.2	82.1	59.7
30	TAM 115	TAMU	78.6	77.0	80.2	61.7
31	TAM W-101	TAMU	77.5	63.6	91.3	61.2
32	CP7050AX	Croplan	72.8	50.8	94.7	61.4
33	Spirit Rider	Unknown	70.2	73.6	66.7	60.7
34	SY Grit	Syngenta	69.3	57.1	81.5	58.8
35	Showdown	OSU	69.2	60.0	78.3	59.4
36	OK16729W	OSU	65.6	59.1	72.0	60.8
LSD (0.05)			6.9	10.1	9.6	1.0
CV (%)			7.1	7.7	6.6	1.4
Mean			84.9	79.8	89.9	61.2

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 2-location yield average



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2020 Uniform Wheat Variety Trial: HRWW, Bushland, TX (Irrigated)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	Winterhawk	WestBred	92.1	93.3	95.5	88.6	64.0
2	TAM 114	TAMU	90.4	93.5	90.4	76.9	64.4
3	TAM 111	TAMU	88.6	91.5	92.5	76.4	64.0
4	TAM 113	TAMU	88.4	91.4	89.4	84.0	65.2
5	TAM 204**	TAMU	87.9	87.4	86.0	78.6	62.2
6	SY Monument	Syngenta	87.3	88.2	89.3	75.2	62.5
7	TAM 115	TAMU	86.5	86.3	84.2	77.0	64.6
8	Iba	OSU	86.2	85.3	85.9	77.9	65.0
9	TAM 112	TAMU	84.4	91.2	89.8	84.0	64.3
10	TAM W-101	TAMU	75.0	77.3	75.6	63.6	62.0
11	TAM 205	TAMU		90.9	88.8	75.7	64.0
12	WB 4303	WestBred		88.8	92.7	82.4	61.2
13	PlainsGold Langin	CSU			103.9	93.3	64.1
14	WB 4792	WestBred			101.5	97.9	64.5
15	PlainsGold Canvas	CSU			101.0	93.6	64.1
16	CP7010	Croplan			98.3	90.5	64.7
17	SY Wolverine	Syngenta			96.9	86.5	64.7
18	CP7869	Croplan			96.7	85.7	63.0
19	Lonerider	OSU			87.2	75.7	65.0
20	Showdown	OSU			81.6	60.0	63.1
21	WB 4595	WestBred				99.4	65.5
22	TX14A001035*	TAMU				95.9	65.6
23	TX14M7061*	TAMU				94.7	64.5
24	OK168512	OSU				90.7	65.6
25	CP7017AX	Croplan				87.5	64.2
26	09BC308-14-16	Syngenta				86.3	64.1
27	OK12206-2	OSU				84.7	61.5
28	PlainsGold Guardian	CSU				82.1	63.9
29	LCS Valiant	Limagrain				77.5	64.1
30	TX14V70214*	TAMU				75.5	62.7
31	Spirit Rider	Unknown				73.6	62.9
32	Baker's Ann	OSU				71.8	64.8
33	T158	Limagrain				64.0	64.0
34	OK16729W	OSU				59.1	63.4
35	SY Grit	Syngenta				57.1	60.8
36	CP7050AX	Croplan				50.8	62.8
	LSD (0.05)		4.8	5.5	6.6	10.1	0.8
	CV (%)		7.1	6.5	6.3	7.7	0.8
	Mean		86.7	88.8	91.4	79.8	63.8

*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.

2020 Uniform Wheat Variety Trial: HRWW, Dumas (Irrigated)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	TAM 114	TAMU	92.8	90.4	97.3	105.0	59.5
2	Winterhawk	WestBred	89.9	86.2	92.2	98.2	59.1
3	Iba	OSU	87.2	81.7	79.4	90.7	59.6
4	TAM 111	TAMU	84.3	79.6	83.8	82.9	58.0
5	SY Monument	Syngenta	84.1	79.7	84.5	82.1	56.8
6	TAM 204**	TAMU	83.6	79.5	84.6	89.4	56.2
7	TAM 113	TAMU	82.9	77.5	80.5	77.7	57.9
8	TAM 115	TAMU	81.9	76.1	82.9	80.2	58.9
9	TAM W-101	TAMU	81.3	80.5	82.9	91.3	60.3
10	TAM 112	TAMU	81.3	77.2	77.2	76.5	58.7
11	TAM 205	TAMU		86.8	92.6	94.0	61.1
12	WB 4303	WestBred		77.3	82.8	81.6	53.5
13	PlainsGold Langin	CSU			97.2	103.2	57.4
14	CP7010	Croplan			94.8	99.9	61.1
15	WB 4792	WestBred			94.2	95.1	60.2
16	CP7869	Croplan			89.2	88.1	57.5
17	SY Wolverine	Syngenta			88.8	91.9	58.7
18	Showdown	OSU			84.1	78.3	55.6
19	Lonerider	OSU			82.0	86.0	58.0
20	LCS Valiant	Limagrain				105.4	61.9
21	CP7017AX	Croplan				100.2	57.3
22	T158	Limagrain				97.1	58.0
23	OK168512	OSU				96.1	59.9
24	09BC308-14-16	Syngenta				95.6	56.9
25	WB 4595	WestBred				95.5	60.9
26	CP7050AX	Croplan				94.7	60.0
27	TX14A001035*	TAMU				94.3	60.0
28	TX14V70214*	TAMU				93.4	57.9
29	PlainsGold Canvas	CSU				93.4	58.6
30	PlainsGold Guardian	CSU				90.6	60.0
31	Baker's Ann	OSU				90.5	58.9
32	TX14M7061*	TAMU				89.7	58.4
33	OK12206-2	OSU				88.7	58.4
34	SY Grit	Syngenta				81.5	56.8
35	OK16729W	OSU				72.0	58.2
36	Spirit Rider	Unknown				66.7	58.4
	LSD (0.05)		5.8	6.4	5.9	9.6	1.8
	CV (%)		6.9	8.4	5.8	6.6	1.9
	Mean		84.9	81.1	86.9	89.9	58.6

*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.



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2020 Uniform Wheat Variety Trial: HRWW, High Plains Dryland Regional Summary

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			AVG	Bushland	Groom	Perryton	AVG
1	CP7017AX	Croplan	47.7	43.9	51.2	48.0	60.0
2	WB 4595	WestBred	44.2	46.1	48.7	37.7	61.9
3	TX14M7061*	TAMU	43.0	37.0	50.5	41.6	60.2
4	TAM 113	TAMU	42.6	32.0	49.4	46.5	59.7
5	WB 4792	WestBred	42.5	36.7	47.0	43.8	60.9
6	CP7010	Croplan	42.4	39.4	46.8	41.0	61.7
7	T158	Limagrain	42.3	38.6	47.8	40.6	59.9
8	Winterhawk	WestBred	41.1	37.1	43.9	42.3	60.4
9	Baker's Ann	OSU	40.8	43.6	47.2	31.8	60.5
10	SY Wolverine	Syngenta	40.6	35.6	45.7	40.5	59.7
11	TX14A001035*	TAMU	40.2	34.6	45.9	40.1	59.1
12	TX14V70214*	TAMU	39.9	43.6	45.5	30.4	59.8
13	TAM 114	TAMU	39.7	37.3	40.6	41.4	60.6
14	PlainsGold Langin	CSU	39.5	40.5	45.8	32.3	59.1
15	TX14A001249*	TAMU	39.1	41.5	40.4	35.4	60.0
16	LCS Mint	Limagrain	38.8	40.7	44.2	31.3	60.2
17	PlainsGold Guardian	CSU	38.5	41.2	42.2	32.1	60.6
18	SY Rugged	Syngenta	38.4	34.0	39.9	41.1	58.0
19	PlainsGold Canvas	CSU	37.9	36.1	41.4	36.3	60.2
20	Lonerider	OSU	37.5	39.3	43.5	29.8	58.2
21	OK168512	OSU	37.5	35.2	41.1	36.2	59.4
22	TAM 204**	TAMU	36.4	37.6	42.2	29.6	58.1
23	CP7050AX	Croplan	36.4	36.0	47.1	26.0	60.2
24	Showdown	OSU	36.2	34.4	37.6	36.7	57.2
25	OK16729W	OSU	36.0	40.0	40.5	27.5	60.5
26	TAM 112	TAMU	35.7	34.1	41.6	31.4	59.8
27	TAM 111	TAMU	35.7	34.8	41.0	31.3	60.0
28	TAM 115	TAMU	35.6	34.8	40.4	31.6	61.1
29	TAM 205	TAMU	35.2	36.1	42.7	27.0	60.4
30	CP7869	Croplan	34.6	31.6	39.7	32.5	58.0
31	SY Monument	Syngenta	34.3	31.2	39.7	31.9	56.7
32	OK12206-2	OSU	33.6	35.2	37.0	28.5	54.3
33	TAM W-101	TAMU	33.1	28.9	33.9	36.5	.
34	SY Grit	Syngenta	29.5	30.8	34.9	22.9	55.7
LSD (0.05)			4.4	7.2	6.5	9.6	0.6
CV (%)			12.3	12.0	9.3	16.2	1.0
Mean			38.4	37.0	43.1	35.1	59.5

*Experimental breeding line.

**Awnless variety.

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

2020 Uniform Wheat Variety Trial: HRWW, Bushland, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	TAM 115	TAMU	45.8	46.0	56.4	34.8	61.7
2	T158	Limagrain	45.4	45.5	56.6	38.6	59.2
3	Winterhawk	WestBred	43.9	43.0	55.1	37.1	60.6
4	TAM 114	TAMU	41.7	41.4	53.1	37.3	60.0
5	TAM 111	TAMU	41.6	41.5	53.4	34.8	60.1
6	LCS Mint	Limagrain	41.4	44.0	54.3	40.7	60.3
7	TAM 204**	TAMU	40.0	39.7	48.6	37.6	58.1
8	TAM 113	TAMU	38.4	38.5	46.2	32.0	58.1
9	TAM 112	TAMU	37.0	39.0	45.7	34.1	58.5
10	TAM W-101	TAMU	35.9	35.1	44.8	28.9	--
11	TAM 205	TAMU		45.3	57.3	36.1	60.2
12	CP7010	Croplan			60.0	39.4	61.7
13	WB 4792	WestBred			57.7	36.7	61.3
14	PlainsGold Canvas	CSU			55.4	36.1	61.3
15	Lonerider	OSU			54.7	39.3	58.3
16	Showdown	OSU			53.7	34.4	57.4
17	CP7869	Croplan			53.5	31.6	58.0
18	WB 4595	WestBred				46.1	62.3
19	CP7017AX	Croplan				43.9	60.6
20	TX14V70214*	TAMU				43.6	60.5
21	Baker's Ann	OSU				43.6	61.0
22	TX14A001249	TAMU				41.5	60.2
23	PlainsGold Guardian	CSU				41.2	61.8
24	PlainsGold Langin	CSU				40.5	59.2
25	OK16729W	OSU				40.0	60.7
26	TX14M7061*	TAMU				37.0	62.2
27	CP7050AX	Croplan				36.0	59.8
28	SY Wolverine	Syngenta				35.6	58.0
29	OK12206-2	OSU				35.2	54.4
30	OK168512	OSU				35.2	59.3
31	TX14A001035*	TAMU				34.6	56.8
32	SY Rugged	Syngenta				34.0	57.1
33	SY Monument	Syngenta				31.2	57.0
34	SY Grit	Syngenta				30.8	55.9
LSD (0.05)			3.0	3.5	4.7	7.2	1.7
CV (%)			8.9	9.0	7.7	12.0	1.4
Mean			41.1	41.7	53.3	37.0	59.4

*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.

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2020 Uniform Wheat Variety Trial: HRWW, Groom (Dryland)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	T158	Limagrain	53.5	51.5	43.2	47.8	58.4
2	TAM 113	TAMU	53.1	53.1	44.9	49.4	57.8
4	LCS Mint	Limagrain	52.4	51.6	39.9	44.2	57.8
3	TAM 204**	TAMU	51.8	49.3	38.7	42.2	55.1
5	TAM 114	TAMU	50.8	47.9	39.3	40.6	58.5
6	Winterhawk	WestBred	50.6	48.5	42.1	43.9	57.4
7	TAM 111	TAMU	50.3	48.1	39.1	41.0	57.4
8	TAM 112	TAMU	47.6	46.9	37.2	41.6	57.0
9	TAM W-101	TAMU	42.8	41.1	34.7	33.9	56.6
10	TAM 115	TAMU		49.5	39.2	40.4	58.1
11	CP7010	Croplan			47.6	46.8	59.4
12	WB 4792	WestBred			46.9	47.0	58.1
13	CP7869	Croplan			46.8	39.7	55.8
14	PlainsGold Canvas	CSU			46.6	41.4	57.5
15	SY Wolverine	Syngenta			44.6	45.7	57.7
16	TAM 205	TAMU			42.7	42.7	58.5
17	Lonerider	OSU			40.0	43.5	55.6
18	Showdown	OSU			39.3	37.6	54.5
19	CP7017AX	Croplan				51.2	58.0
20	TX14M7061*	TAMU				50.5	56.4
21	WB 4595	WestBred				48.7	59.3
22	Baker's Ann	OSU				47.2	58.4
23	CP7050AX	Croplan				47.1	59.9
24	TX14A001035*	TAMU				45.9	56.5
25	PlainsGold Langin	CSU				45.8	56.7
26	TX14V70214*	TAMU				45.5	58.1
27	PlainsGold Guardian	CSU				42.2	58.0
28	OK168512	OSU				41.1	56.5
29	OK16729W	OSU				40.5	58.2
30	TX14A001249*	TAMU				40.4	57.6
31	SY Rugged	Syngenta				39.9	54.0
32	SY Monument	Syngenta				39.7	54.3
33	OK12206-2	OSU				37.0	51.8
34	SY Grit	Syngenta				34.9	52.6
	LSD (0.05)		3.4	3.7	4.5	6.5	1.2
	CV (%)		8.1	7.8	9.1	9.3	1.2
	Mean		50.3	48.8	41.8	43.1	57.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2020 yield averages.

[‡]4-year average based on 2015, 2017, 2019, and 2020 data.



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2020 Uniform Wheat Variety Trial: HRWW, Perryton, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	TAM 114	TAMU	43.4	46.5	44.4	41.4	63.3
2	T158	Limagrain	39.5	41.7	41.5	40.6	62.3
4	Winterhawk	WestBred	39.1	38.7	37.7	42.3	63.2
3	TAM 113	TAMU	38.7	39.9	36.2	46.5	63.0
5	TAM 111	TAMU	35.5	35.9	32.7	31.3	62.5
6	TAM 204**	TAMU	35.4	34.2	32.5	29.6	61.0
7	TAM 112	TAMU	33.0	32.5	30.8	31.4	63.8
8	TAM W-101	TAMU	28.9	30.6	29.8	36.5	62.3
9	TAM 115	TAMU		34.4	29.3	31.6	63.5
10	LCS Mint	Limagrain		32.9	30.2	31.3	62.4
11	WB 4792	WestBred			39.0	43.8	63.3
12	PlainsGold Canvas	CSU			35.9	36.3	62.0
13	CP7010	Croplan			34.5	41.0	63.9
14	Showdown	OSU			31.9	36.7	59.8
15	CP7869	Croplan			31.4	32.5	60.2
16	TAM 205	TAMU			27.7	27.0	62.5
17	Lonerider	OSU			27.4	29.8	60.6
18	CP7017AX	Croplan				48.0	61.5
19	TX14M7061*	TAMU				41.6	62.0
20	SY Rugged	Syngenta				41.1	62.9
21	SY Wolverine	Syngenta				40.5	63.5
22	TX14A001035*	TAMU				40.1	63.9
23	WB 4595	WestBred				37.7	64.1
24	OK168512	OSU				36.2	62.6
25	TX14A001249*	TAMU				35.4	62.2
26	PlainsGold Langin	CSU				32.3	61.5
27	PlainsGold Guardian	CSU				32.1	62.0
28	SY Monument	Syngenta				31.9	58.8
29	Baker's Ann	OSU				31.8	62.2
30	TX14V70214*	TAMU				30.4	60.6
31	OK12206-2	OSU				28.5	56.7
32	OK16729W	OSU				27.5	62.5
33	CP7050AX	Croplan				26.0	60.8
34	SY Grit	Syngenta				22.9	58.5
	LSD (0.05)		3.7	4.5	6.3	9.6	--
	CV (%)		12.4	12.8	15.6	16.2	--
	Mean		36.7	36.7	33.7	35.1	61.9

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4 year, 3-year, 2-year, then 2020 yield averages.

[‡]4-year average based on 2012, 2017, 2019, and 2020 data.

Texas Locations Agronomic Data

Rolling Plains: 2020

Location ¹	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/A)	Seeding Rate	Pesticide Applied (Date)
Abilene	David Chapman	Water and heat stresses	11/18/2019	--	650K Seed/Ac	None
Chillicothe	Chillicothe Research Station	Freeze on April 15th and Hail on May 8th, water and heat stresses	11/18/2019	138	650K Seed/Ac	None
Munday	Mike Urbanzck	Water and heat stresses	10/3/2019	92	650K Seed/Ac	None
San Angelo	Cory Book	Heat Stress and minor hail damage	12/6/19	60	650K Seed/Ac	MCPA and Propiconazole 1/15/20

¹All locations were planted to 7" row spacing and were conventionally tilled EXCEPT for Munday and San Angelo, no-tilled.



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2020 Uniform Wheat Variety Trial: HRWW, Rolling Plains Regional Summary

Rank [†]	Variety	Source	Yield (bu/ac)					Test Wt (lb/bu)
			AVG [‡]	Abilene	Chillicothe	Munday	San Angelo	AVG
1	WB 4595	WestBred	58.0	66.9	45.1	46.8	73.3	59.6
2	SY Rugged	Syngenta	56.7	62.9	46.4	48.0	69.7	57.2
3	WB 4792	WestBred	56.2	63.7	46.3	50.0	64.8	57.7
4	WB 4418	WestBred	55.1	61.8	44.9	46.3	67.4	57.6
5	Greer	Syngenta	53.7	58.9	41.7	42.7	71.3	56.7
6	WB 4699	WestBred	53.4	60.5	45.1	46.6	61.6	57.3
7	WB 4269	WestBred	53.4	61.2	49.0	44.7	58.7	58.3
8	SY Flint	Syngenta	52.9	64.3	47.4	41.6	58.4	57.9
9	Showdown	OSU	52.7	64.0	39.1	44.7	63.0	56.8
10	OK12912C	OSU	52.7	63.5	46.4	39.8	60.9	56.0
11	Gallagher	OSU	52.2	61.4	39.7	46.7	61.0	57.0
12	Green Hammer	OSU	52.0	61.4	44.5	43.5	58.7	56.4
13	TAM 114	TAMU	51.3	63.0	45.0	40.5	56.8	58.3
14	Bob Dole	Syngenta	51.2	62.6	43.5	39.0	59.6	56.7
15	TX14A001035*	TAMU	50.6	62.9	42.9	32.6	64.1	57.5
16	TX14M7061*	TAMU	50.6	61.8	45.3	37.9	57.4	56.8
17	TAM 115	TAMU	50.6	64.6	43.3	35.2	59.2	58.6
18	SY Grit	Syngenta	49.9	62.5	39.8	38.1	59.0	56.6
19	TAM 304	TAMU	49.3	60.3	41.6	41.1	54.3	56.3
20	TX14A001249*	TAMU	49.0	61.0	46.6	36.7	51.5	54.3
21	09BC308-14-16	Syngenta	48.9	60.1	43.5	35.5	56.4	52.7
22	WB 4515	WestBred	48.2	61.4	39.6	44.0	47.6	55.4
23	WB 4303	WestBred	48.1	59.3	38.8	38.5	55.9	55.7
24	LCS Valiant	Limagrain	48.0	61.5	36.2	37.9	56.4	55.5
25	TAM 205	TAMU	47.5	63.5	31.2	40.2	55.1	58.2
26	TX15M8024*	TAMU	47.1	61.3	34.6	--	52.2	55.6
27	LCS Chrome	Limagrain	46.9	61.1	39.1	40.5	46.9	53.9
28	TX14V70214*	TAMU	45.1	61.5	40.2	35.3	43.4	57.7
29	TAM W-101	TAMU	42.9	60.7	27.8	36.2	47.2	54.4
30	OCW04S717T-6W	OSU	--	61.0	40.9	--	46.4	55.5
31	Weathermaster 135**	Unknown	--	59.3	26.1	40.3	39.4	54.0
LSD (0.05)			4.3	3.3	5.3	11.2	11.8	2.5
CV (%)			10.4	3.2	7.9	16.7	12.4	5.5
Mean			50.8	61.9	41.3	41.1	57.3	56.5

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-location yield average.



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2020 Uniform Wheat Variety Trial: Abilene, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	TAM 114	TAMU	48.9	49.6	54.6	63.0	50.7
2	WB 4269	WestBred	47.6	44.1	49.8	61.2	63.0
3	SY Grit	Syngenta	47.3	47.9	47.6	62.5	51.3
4	SY Rugged	Syngenta	46.9	48.6	53.0	62.9	55.0
5	TAM 304	TAMU	46.8	46.9	50.4	60.3	58.0
6	TAM 115	TAMU	45.8	48.1	53.1	64.6	51.7
7	Gallagher	OSU	45.0	46.9	55.2	61.4	53.0
8	SY Flint	Syngenta	44.4	45.9	47.1	64.3	53.0
9	LCS Chrome	Limagrain	43.5	46.4	52.6	61.1	44.3
10	WB 4515	WestBred	43.2	46.6	50.0	61.4	41.0
11	Greer	Syngenta	42.5	46.6	48.8	58.9	54.7
12	TAM W-101	TAMU	42.3	45.3	50.4	60.7	42.0
13	Weathermaster 135**	Unknown	36.5	38.5	41.6	59.3	42.0
14	TAM 205	TAMU		49.1	56.2	63.5	51.0
15	WB 4418	WestBred		45.8	48.4	61.8	56.3
16	Showdown	OSU			55.6	64.0	51.7
17	Green Hammer	OSU			54.1	61.4	48.7
18	Bob Dole	Syngenta			53.1	62.6	55.3
19	WB 4699	WestBred			51.1	60.5	56.7
20	WB 4595	WestBred				66.9	59.7
21	WB 4792	WestBred				63.7	50.3
22	OK12912C	OSU				63.5	45.0
23	TX14A001035*	TAMU				62.9	52.3
24	TX14M7061*	TAMU				61.8	53.3
25	LCS Valiant	Limagrain				61.5	49.3
26	TX14V70214*	TAMU				61.5	56.3
27	TX15M8024*	TAMU				61.3	49.0
28	OCW04S717T-6W	OSU				61.0	47.7
29	TX14A001249*	TAMU				61.0	47.0
30	09BC308-14-16	Syngenta				60.1	43.7
31	WB 4303	WestBred				59.3	55.0
	LSD (0.05)		3.6	3.7	4.6	3.3	8.9
	CV (%)		9.4	8.4	7.8	3.2	10.6
	Mean		44.7	46.4	51.2	61.9	51.2

*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.

2020 Uniform Wheat Variety Trial: Chillicothe, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	TAM 114	TAMU	39.6	44.6	46.9	45.0	60.7
2	Greer	Syngenta	36.6	40.4	46.0	41.7	55.0
3	TAM 304	TAMU	35.5	39.7	44.5	41.6	53.7
4	Gallagher	OSU	34.9	39.0	44.3	39.7	57.7
5	TAM W-101	TAMU	25.6	27.7	31.5	27.8	58.8
6	Weathermaster 135**	Unknown	24.1	25.6	29.8	26.1	56.9
7	WB 4269	WestBred		45.7	49.6	49.0	56.8
8	TAM 115	TAMU		43.9	45.9	43.3	57.7
9	WB 4515	WestBred		42.3	46.9	39.6	59.3
10	LCS Chrome	Limagrain		40.5	47.1	39.1	58.9
11	SY Rugged	Syngenta		40.1	46.7	46.4	55.7
12	SY Flint	Syngenta		40.0	46.9	47.4	59.2
13	SY Grit	Syngenta		36.9	45.6	39.8	56.5
14	WB 4792	WestBred			52.9	46.3	57.2
15	WB 4699	WestBred			52.8	45.1	58.2
16	Bob Dole	Syngenta			50.4	43.5	56.4
17	Green Hammer	OSU			49.8	44.5	58.6
18	Showdown	OSU			49.5	39.1	55.6
19	WB 4418	WestBred			48.4	44.9	57.9
20	TAM 205	TAMU			42.3	31.2	58.8
21	TX14A001249*	TAMU				46.6	55.7
22	OK12912C	OSU				46.4	59.2
23	TX14M7061*	TAMU				45.3	56.9
24	WB 4595	WestBred				45.1	57.1
25	09BC308-14-16	Syngenta				43.5	53.1
26	TX14A001035*	TAMU				42.9	58.2
27	OCW04S717T-6W	OSU				40.9	56.5
28	TX14V70214*	TAMU				40.2	55.4
29	WB 4303	WestBred				38.8	54.5
30	LCS Valiant	Limagrain				36.2	54.4
31	TX15M8024*	TAMU				34.6	57.3
	LSD (0.05)		2.9	3.7	4.2	5.3	3.0
	CV (%)		10.0	9.2	8.0	7.9	3.2
	Mean		32.7	39.0	45.9	41.3	57.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2020 yield averages.

[‡]4-year average based on 2014, 2017, 2019 and 2020 data.

2020 Uniform Wheat Variety Trial: Munday, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	WB 4269	WestBred	44.4	44.0	48.6	44.7	59.3
2	SY Rugged	Syngenta	41.1	43.7	49.7	48.0	59.5
3	WB 4515	WestBred	40.3	42.4	47.3	44.0	62.0
4	TAM 304	TAMU	39.9	41.7	45.7	41.1	58.6
5	LCS Chrome	Limagrain	39.7	42.9	48.3	40.5	58.4
6	Gallagher	OSU	39.3	41.2	48.4	46.7	57.7
7	Greer	Syngenta	39.2	40.9	43.6	42.7	59.6
8	TAM 114	TAMU	38.4	41.1	48.4	40.5	62.0
9	TAM 115	TAMU	37.8	39.1	42.6	35.2	64.3
10	SY Flint	Syngenta	36.8	37.0	40.1	41.6	61.8
11	SY Grit	Syngenta	35.8	36.9	37.1	38.1	59.5
12	TAM W-101	TAMU	32.2	33.9	39.5	36.2	60.2
13	WB 4418	WestBred		44.8	52.2	46.3	59.6
14	TAM 205	TAMU		44.7	50.6	40.2	62.7
15	WB 4699	WestBred			59.3	46.6	58.6
16	WB 4792	WestBred			55.2	50.0	61.7
17	Green Hammer	OSU			52.9	43.5	59.5
18	Bob Dole	Syngenta			52.5	39.0	58.2
19	Showdown	OSU			49.4	44.7	60.7
20	WB 4595	WestBred				46.8	62.6
21	Weathermaster 135**	Unknown				40.3	59.2
22	OK12912C	OSU				39.8	60.9
23	WB 4303	WestBred				38.5	59.3
24	LCS Valiant	Limagrain				37.9	58.8
25	TX14M7061*	TAMU				37.9	58.9
26	TX14A001249*	TAMU				36.7	59.9
27	09BC308-14-16	Syngenta				35.5	57.6
28	TX14V70214*	TAMU				35.3	60.5
29	TX14A001035*	TAMU				32.6	61.4
30	OCW04S717T-6W	OSU				--	58.9
31	TX15M8024*	TAMU				--	58.4
	LSD (0.05)		4.1	4.7	6.5	11.2	2.1
	CV (%)		13.1	12.1	11.7	16.7	2.2
	Mean		38.7	41.0	48.0	41.1	60.0

*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.



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2020 Millersview, TX County Winter Wheat Variety Trial

Rank [†]	Variety	Source	Yield	Test Wt
			(bu/ac)	(lb/bu)
			2020	2020
1	CP 7010	Croplan	55.0	60.8
2	SY Grit	Syngenta	54.6	56.7
3	Bob Dole	Syngenta	53.9	57.8
4	SY Rugged	Syngenta	50.3	57.8
5	TAM 205	TAMU	49.5	60.4
6	Gallagher	OSU	49.2	58.2
7	WB 4418	WestBred	48.7	56.8
8	WB 4792	WestBred	48.5	60.7
9	WB 4515	WestBred	46.7	58.6
10	LCS Chrome	Limagrain	45.7	57.7
11	Smiths Gold	OSU	45.2	59.4
12	Green Hammer	OSU	44.2	57.3
13	Long Branch	Dyna Gro	43.7	56.0
14	Weathermaster**	Unknown	43.2	57.7
15	TAM 115	TAMU	42.2	57.0
16	TAM 114	TAMU	41.4	58.8
17	CP 7869	Croplan	39.7	57.1
18	SY Razor	Syngenta	28.3	56.9
19	TAM 204**	TAMU	24.6	53.1
LSD (0.05)			10.6	2.7
CV (%)			14.3	2.8
Mean			45.0	57.8

**Awnless variety.

[†]Varieties ranked according to 2020 yield data.

Texas Locations Agronomic Data

Blacklands: 2020

Location	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/A)	Seeding Rate	Pesticide Applied (Date)
Ennis	Bob and Steve Beakley	Hail and hog damage	11/6/2019	120	68 lbs/A (SRWW) 750K Seed/A (HRWW)	None
Hillsboro	P&M Farms	Wet soils	11/18/2019	120	68 lbs/A (SRWW) 750K Seed/A (HRWW)	None
McGregor	Texas A&M Agrilife Research Farm	Wet soils	11/12/2019	52	68 lbs/A (SRWW) 750K Seed/A (HRWW)	Ally/Amber (12/9/2019)
Muenster	Rudy Zammer	Not planted	--	100	--	None
Greenville	Texas A&M University - Commerce	Planted late, not harvested	12/23/2019	N/A	68 lbs/A (SRWW) 750K Seed/A (HRWW)	None
Thrall	Stiles Foundation Research Farm	Abandoned due to severe cow damage	11/6/2019	116	68 lbs/A (SRWW) 750K Seed/A (HRWW)	None

¹All locations were planted into conventionally tilled seedbeds and were grown under rain-fed conditions.

*Seed numbers were not available for soft wheat lines.



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2020 Uniform Wheat Variety Trial: HRWW, Blacklands Regional Summary

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			AVG	Ennis	Hillsboro	McGregor	AVG
1	TX14A001035*	TAMU	66.8	72.1	63.6	64.6	59.6
2	CP7017AX	Croplan	66.2	68.5	62.3	67.8	59.0
3	WB 4699	WestBred	64.6	70.4	59.2	64.2	58.9
4	SY Grit	Syngenta	64.1	63.1	63.3	65.7	59.3
5	Gallagher	OSU	63.1	65.5	59.7	64.1	59.3
6	TX14V70214*	TAMU	62.5	63.6	65.0	58.8	59.2
7	AP EverRock (09BC308-14-16)	Syngenta	62.3	65.5	60.8	60.4	58.7
8	CP7010	Croplan	62.1	61.2	61.9	63.2	59.9
9	TX15M8024*	TAMU	62.1	70.6	60.5	55.2	58.8
10	Bob Dole	Syngenta	60.8	60.1	58.6	63.9	58.5
11	SY Flint	Syngenta	60.5	54.7	55.7	71.0	59.3
12	TX14M7061*	TAMU	60.0	61.8	56.6	61.6	58.7
13	TAM 115	TAMU	59.7	66.4	58.6	54.1	60.0
14	WB 4303	WestBred	59.5	61.8	57.5	59.2	57.5
15	TAM 205	TAMU	59.4	69.7	50.7	57.9	59.8
16	WB 4418	WestBred	59.3	65.5	54.5	57.9	59.7
17	CP7869	Croplan	58.2	61.4	43.3	69.8	59.1
18	CP7050AX	Croplan	58.1	59.5	51.6	63.3	59.6
19	TAM 304	Scott Seed	57.8	62.1	56.9	54.3	58.1
20	WB Cedar	WestBred	57.5	64.6	54.0	54.0	58.6
21	SY Rugged	Syngenta	57.4	54.3	57.5	60.5	58.6
22	TAM W-101	TAMU	56.6	64.3	46.5	59.0	59.4
23	WB 4269	WestBred	53.3	54.4	43.7	61.8	58.6
LSD (0.05)			6.1	11.3	7.7	12.6	1.2
CV (%)			10.6	10.4	8.2	12.5	2.1
Mean			60.5	63.5	56.6	61.4	59.1

*Experimental breeding line.

[†]Varieties ranked according to 3 location yield average.

2020 Uniform Wheat Variety Trial: HRWW, Ennis, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year ^{‡‡}	2-Year	2020	2020
1	WB Cedar	WestBred	57.7	57.6	61.3	64.6	58.2
2	Gallagher	OSU	56.4	57.7	60.5	65.5	58.5
3	TAM 304	Scott Seed	56.2	54.0	58.4	62.1	57.2
4	TAM W-101	TAMU	43.6	43.9	50.3	64.3	58.1
5	TAM 115	TAMU		56.5	61.7	66.4	58.8
6	WB 4269	WestBred		54.5	61.0	54.4	57.9
7	WB 4303	WestBred		51.6	51.0	61.8	57.5
8	SY Grit	Syngenta			50.2	63.1	58.1
9	SY Rugged	Syngenta			49.5	54.3	57.1
10	SY Flint	Syngenta			43.7	54.7	58.7
11	TX14A001035*	TAMU				72.1	59.0
12	TX15M8024*	TAMU				70.6	58.2
13	WB 4699	WestBred				70.4	58.5
14	TAM 205	TAMU				69.7	59.2
15	CP7017AX	Croplan				68.5	57.4
16	AP EverRock (09BC308-14-16)	Syngenta				65.5	57.6
17	WB 4418	WestBred				65.5	60.1
18	TX14V70214*	TAMU				63.6	58.8
19	TX14M7061*	TAMU				61.8	58.6
20	CP7869	Croplan				61.4	57.8
21	CP7010	Croplan				61.2	58.0
22	Bob Dole	Syngenta				60.1	58.6
23	CP7050AX	Croplan				59.5	58.6
	LSD (0.05)		3.8	6.6	7.7	11.3	2.6
	CV (%)		7.9	11.8	11.9	10.4	2.7
	Mean		53.5	54.0	54.8	63.5	58.3

*Experimental breeding line.

[†]Varieties ranked according to 2-year 2020 yield averages.

[‡]4-year average based on 2014, 2017, 2019, and 2020 data.

^{‡‡}3-year average based on 2017, 2019, and 2020 data.



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2020 Uniform Wheat Variety Trial: HRWW, Hillsboro, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	WB Cedar	WestBred	66.3	67.6	56.8	54.0	59.6
2	Gallagher	OSU	65.2	67.6	57.7	59.7	61.0
3	WB 4303	WestBred		74.1	64.6	57.5	56.6
4	WB 4418	WestBred		66.4	56.4	54.5	60.1
5	TAM 205	TAMU		65.3	56.0	50.7	61.2
6	TAM 115	TAMU		62.9	55.9	58.6	63.2
7	SY Flint	Syngenta		60.4	49.5	55.7	60.0
8	WB 4269	WestBred		58.9	48.4	43.7	59.5
9	TAM W-101	TAMU		47.9	42.9	46.5	61.1
10	WB 4699	WestBred			67.2	59.2	59.5
11	Bob Dole	Syngenta			62.5	58.6	58.7
12	TAM 304	Scott Seed			62.0	56.9	58.0
13	CP7010	Croplan			60.6	61.9	62.6
14	CP7869	Croplan			42.2	43.3	61.2
15	TX14V70214*	TAMU				65.0	60.4
16	TX14A001035*	TAMU				63.6	60.8
17	SY Grit	Syngenta				63.3	60.5
18	CP7017AX	Croplan				62.3	60.6
19	AP EverRock (09BC308-14-16)	Syngenta				60.8	58.4
20	TX15M8024*	TAMU				60.5	59.1
21	SY Rugged	Syngenta				57.5	60.5
22	TX14M7061*	TAMU				56.6	59.3
23	CP7050AX	Croplan				51.6	61.1
	LSD (0.05)		4.5	4.8	5.11	7.7	1.3
	CV (%)		7.3	8.0	7.9	8.2	1.3
	Mean		65.8	63.5	55.9	56.6	60.1

*Experimental breeding line.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2020 yield averages.

[‡]4-year average based on 2016, 2018, 2019, and 2020 data.

2020 Uniform Wheat Variety Trial: HRWW, McGregor, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	WB 4269	WestBred	49.1	56.5	47.5	61.8	58.5
2	WB 4303	WestBred	48.7	56.5	45.7	59.2	58.4
3	WB Cedar	WestBred	47.5	56.9	50.7	54.0	58.2
4	Gallagher	OSU	47.1	54.7	47.3	64.1	58.5
5	TAM 115	TAMU	43.3	53.6	45.9	54.1	58.1
6	SY Flint	Syngenta	42.3	52.3	45.8	71.0	59.2
7	TAM W-101	TAMU	32.9	42.7	39.3	59.0	59.0
8	WB 4418	WestBred		59.0	49.2	57.9	58.7
9	TAM 205	TAMU		57.0	52.5	57.9	58.9
10	WB 4699	WestBred			61.0	64.2	58.5
11	Bob Dole	Syngenta			58.4	63.9	58.1
12	CP7869	Croplan			51.4	69.8	58.4
13	CP7010	Croplan			47.4	63.2	59.1
14	TAM 304	Scott Seed			44.9	54.3	59.0
15	CP7017AX	Croplan				67.8	59.0
16	SY Grit	Syngenta				65.7	59.5
17	TX14A001035*	TAMU				64.6	59.0
18	CP7050AX	Croplan				63.3	59.2
19	TX14M7061*	TAMU				61.6	58.1
20	SY Rugged	Syngenta				60.5	58.4
21	AP EverRock (09BC308-14-16)	Syngenta				60.4	60.0
22	TX14V70214*	TAMU				58.8	58.4
23	TX15M8024*	TAMU				55.2	59.0
	LSD (0.05)		3.6	4.4	6.1	12.6	2.0
	CV (%)		9.0	8.5	10.8	12.5	2.1
	Mean		44.4	54.4	49.1	61.4	58.7

*Experimental breeding line.

[†]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.

2020 Uniform Wheat Variety Trial: HRWW, McGregor, TX

Rank [†]	Variety	Source	Yield (bu/ac)			
			AVG	Fungicide	No fungicide	Difference
1	CP7017AX	Croplan	71.3	74.8	67.8	7.0
2	CP7869	Croplan	70.7	71.7	69.8	1.9
3	TX14A001035*	TAMU	68.4	72.1	64.6	7.5
4	SY Grit	Syngenta	67.7	69.7	65.7	3.9
5	SY Flint	Syngenta	67.4	63.8	71.0	-7.2
6	BobDole	Syngenta	66.6	69.2	63.9	5.4
7	CP7050AX	Croplan	66.4	69.6	63.3	6.3
8	Gallagher	OSU	66.0	67.9	64.1	3.8
9	WB 4699	WestBred	65.6	66.9	64.2	2.7
10	AP EverRock (09BC308-14-16)	Syngenta	64.9	69.4	60.4	9.0
11	CP7010	Croplan	64.8	66.4	63.2	3.1
12	TAM 205	TAMU	63.4	68.9	57.9	11.1
13	WB 4269	WestBred	62.7	63.6	61.8	1.8
14	TX14V70214*	TAMU	62.3	65.9	58.8	7.1
15	WB 4418	WestBred	62.0	66.1	57.9	8.2
16	SY Rugged	Syngenta	61.0	61.5	60.5	1.0
17	WB Cedar	WestBred	60.7	67.4	54.0	13.4
18	WB 4303	WestBred	60.4	61.6	59.2	2.5
19	TAM W-101	TAMU	59.9	60.7	59.0	1.7
20	TAM 304	TAMU	59.8	65.4	54.3	11.1
21	TX15M8024*	TAMU	58.4	61.6	55.2	6.4
22	TAM 115	TAMU	57.8	61.6	54.1	7.5
23	TX14M7061*	TAMU	57.4	53.1	61.6	-8.5
LSD (0.05)			9.4	14.4	12.6	--
CV (%)			12.9	13.2	12.5	--
Mean			63.7	66.0	61.4	4.6

*Experimental breeding line.

[†]Varieties ranked according to 2020 yield averages.

2020 Uniform Wheat Variety Trial: SRWW, Blacklands Regional Summary

Rank [†]	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
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.



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2020 Uniform Wheat Variety Trial: SRWW, Ennis, TX

Rank [†]	Variety	Source	Yield (bu/ac)			Test Wt (lb/bu)
			3-Year [‡]	2-Year	2020	2020
1	USG 3895	UniSouth Genetics	67.4	66.5	76.7	59.2
2	AGS 2038	AgSouth Genetics	66.6	58.3	68.3	59.1
3	AGS 2055	AgSouth Genetics	62.4	56.1	65.1	59.2
4	AGS 2024	AgSouth Genetics	60.8	57.1	59.0	58.7
5	USG 3536	UniSouth Genetics	52.8	52.9	66.4	58.6
6	TX15D9579*	TAMU		60.8	62.6	57.8
7	USG 3118**	UniSouth Genetics		59.6	63.5	59.9
8	USG 3539	UniSouth Genetics		55.4	70.6	59.8
9	TX15D9597*	TAMU		54.3	51.4	58.3
10	Blackland 1812	Blackland Seeds		53.2	64.6	58.8
11	GA09436 16LE12	University of Georgia		52.6	56.8	61.7
12	LA12080LDH 72**	Louisiana State University		47.1	50.7	57.2
13	WB 2606 brand	WestBred			77.2	60.1
14	Progeny PGX18 8	Progeny			73.7	59.2
15	Blackland 825	Blackland Seeds			73.4	57.8
16	Progeny PGX19 15**	Progeny			72.5	56.4
17	USG 3329	UniSouth Genetics			72.5	60.0
18	Dyna-Gro 9701	Dyna-Gro Seeds			70.6	58.4
19	LANC11558 33	Louisiana State University			70.5	60.3
20	TX16DDH579*	TAMU			70.3	62.2
21	USG 3640	UniSouth Genetics			69.7	60.5
22	GA10268 17LE16	University of Georgia			69.1	59.3
23	Dyna-Gro Plantation	Dyna-Gro Seeds			67.8	60.4
24	Go Wheat 2032	Stratton Seed Co.			67.7	59.3
25	Dyna-Gro 9002	Dyna-Gro Seeds			67.6	58.9
26	Progeny PGX18 9	Progeny			66.8	57.9
27	AgriMAXX 492	AgriMAXX			65.9	60.3
28	Dyna-Gro Riverland	Dyna-Gro Seeds			65.8	60.1
29	Dyna-Gro 9811	Dyna-Gro Seeds			64.2	59.9
30	AgriMAXX 481	AgriMAXX			63.9	59.4
31	Progeny PGX18 2	Progeny			63.4	59.4
32	GA10407 17E8	University of Georgia			62.9	59.1
33	Go Wheat 6000	Stratton Seed Co.			62.8	57.6
34	GA11656 17E11	University of Georgia			62.0	60.1
35	Progeny #TURBO**	Progeny			60.5	57.0
36	ARLA09137UC 17 2	University of Arkansas			59.9	59.4
37	FL14167LDH 158	University of Florida			58.9	57.9
38	Progeny PGX18 11	Progeny			58.8	58.0
39	GA101004 17LE17	University of Georgia			57.8	60.2
40	Go Wheat LA754	Stratton Seed Co.			55.6	56.8
41	Progeny #FURY**	Progeny			55.4	59.7
42	GA101298 17LE11	University of Georgia			54.4	59.7
43	LA15203 LDH112	Louisiana State University			53.8	59.7
44	Progeny PGX19 17**	Progeny			53.7	57.3
45	Dyna-Gro Rutledge	Dyna-Gro Seeds			52.6	57.7
46	FL14078LDH 28	University of Florida			51.7	57.7
47	ARLA06146E 1 4	University of Arkansas			51.6	59.6
48	AGS 3040**	AgSouth Genetics			51.4	58.5
49	FLLA10033C 6	University of Florida			49.4	58.0
50	LA12275DH 56	Louisiana State University			48.0	60.0
51	LA15166 LDH272**	Louisiana State University			44.7	59.3
52	LA15203 LDH274	Louisiana State University			41.0	57.8
53	Dyna-Gro Blanton	Dyna-Gro Seeds			-	58.4
54	AGS 3015	AgSouth Genetics			-	59.0
	LSD (0.05)		6.3	5.9	6.0	2.3
	CV (%)		10.3	8.6	5.4	2.4
	Mean		62.0	56.2	62.1	59.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 3-year, 2-year, then 2020 yield averages.

[‡]3-year average based on 2018, 2019, and 2020 data.

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2020 Uniform Wheat Variety Trial: SRWW, Hillsboro, TX

Rank [†]	Variety	Source	Yield (bu/ac)			Test Wt (lb/bu)
			3-Year [‡]	2-Year	2020	2020
1	USG 3895	UniSouth Genetics	80.5	76.1	71.1	57.2
2	AGS 2055	AgSouth Genetics	77.2	70.8	64.3	57.7
3	AGS 2024	AgSouth Genetics	76.8	71.7	71.6	58.3
4	USG 3536	UniSouth Genetics	76.5	68.2	61.7	57.9
5	AGS 2038	AgSouth Genetics	71.8	66.1	64.5	57.1
6	TX15D9579*	TAMU		74.5	70.0	57.7
7	USG 3118**	UniSouth Genetics		71.2	68.7	59.4
8	TX15D9597*	TAMU		68.3	59.1	58.7
9	USG 3539	UniSouth Genetics		65.3	58.2	59.2
10	LA12080LDH 72**	Louisiana State University		64.2	61.9	57.9
11	Blackland 1812	Blackland Seeds		62.3	53.3	57.6
12	GA09436 16LE12	University of Georgia		61.1	61.7	61.7
13	Dyna-Gro Blanton	Dyna-Gro Seeds			74.1	57.7
14	Go Wheat 2032	Stratton Seed Co.			73.2	58.5
15	Go Wheat 6000	Stratton Seed Co.			71.4	58.3
16	Progeny PGX18 8	Progeny			71.1	58.3
17	Dyna-Gro Rutledge	Dyna-Gro Seeds			70.5	58.0
18	Progeny PGX19 17**	Progeny			70.4	58.0
19	Dyna-Gro Plantation	Dyna-Gro Seeds			70.1	59.1
20	GA10268 17LE16	University of Georgia			69.2	58.0
21	Progeny PGX18 9	Progeny			68.6	57.4
22	GA10407 17E8	University of Georgia			67.8	58.9
23	Progeny PGX18 11	Progeny			67.4	57.1
24	USG 3640	UniSouth Genetics			67.1	59.9
25	Progeny PGX19 15**	Progeny			66.3	59.5
26	AgriMAXX 492	AgriMAXX			66.1	58.9
27	ARLA09137UC 17 2	University of Arkansas			66.0	57.4
28	AgriMAXX 481	AgriMAXX			65.4	58.1
29	TX16DDH579*	TAMU			64.7	61.1
30	WB 2606 brand	WestBred			64.7	58.7
31	LANC11558 33	Louisiana State University			64.3	59.7
32	GA11656 17E11	University of Georgia			63.9	60.1
33	FL14167LDH 158	University of Florida			63.3	58.4
34	AGS 3015	AgSouth Genetics			63.1	58.5
35	Dyna-Gro Riverland	Dyna-Gro Seeds			62.9	59.6
36	Progeny #FURY**	Progeny			62.6	59.3
37	FL14078LDH 28	University of Florida			62.4	57.5
38	AGS 3040**	AgSouth Genetics			62.4	58.4
39	GA101298 17LE11	University of Georgia			62.1	58.9
40	Go Wheat LA754	Stratton Seed Co.			61.8	56.0
41	GA101004 17LE17	University of Georgia			61.2	60.1
42	Progeny #TURBO**	Progeny			59.4	56.5
43	Dyna-Gro 9811	Dyna-Gro Seeds			59.3	58.7
44	ARLA06146E 1 4	University of Arkansas			58.9	59.1
45	Dyna-Gro 9701	Dyna-Gro Seeds			58.7	57.7
46	USG 3329	UniSouth Genetics			57.7	57.7
47	Progeny PGX18 2	Progeny			57.4	58.9
48	Dyna-Gro 9002	Dyna-Gro Seeds			56.3	57.6
49	Blackland 825	Blackland Seeds			55.5	57.3
50	LA15166 LDH272**	Louisiana State University			54.9	58.6
51	LA15203 LDH274	Louisiana State University			54.9	57.2
52	LA15203 LDH112	Louisiana State University			53.3	57.9
53	FLLA10033C 6	University of Florida			53.1	57.0
54	LA12275DH 56	Louisiana State University			50.1	59.2
	LSD (0.05)		4.4	5.3	7.2	1.2
	CV (%)		5.9	6.7	7.0	1.2
	Mean		76.6	68.3	63.2	58.4

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 3-year, 2-year, then 2020 yield averages.

[‡]3-year average based on 2018, 2019, and 2020 data.

2020 Uniform Wheat Variety Trial: SRWW, McGregor, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2020	2020
1	AGS 2055	AgSouth Genetics	66.8	73.4	71.2	68.7	58.2
2	USG 3895	UniSouth Genetics	65.5	74.8	71.2	65.7	57.7
3	AGS 2038	AgSouth Genetics	61.9	67.7	65.2	66.2	58.3
4	USG 3536	UniSouth Genetics	59.8	70.4	69.6	74.3	58.1
5	AGS 2024	AgSouth Genetics	59.7	64.3	56.2	61.1	58.6
6	USG 3118**	UniSouth Genetics			67.3	68.4	59.5
7	TX15D9579*	TAMU			65.4	59.5	58.1
8	Blackland 1812	Blackland Seeds			62.3	62.3	57.8
9	TX15D9597*	TAMU			61.0	60.6	59.2
10	USG 3539	UniSouth Genetics			60.3	64.3	58.7
11	GA09436 16LE12	University of Georgia			55.6	57.6	61.6
12	LA12080LDH 72**	Louisiana State University			55.2	62.2	58.4
13	LANC11558 33	Louisiana State University				77.9	60.0
14	TX16DDH579*	TAMU				76.3	61.5
15	GA10268 17LE16	University of Georgia				76.2	59.1
16	Dyna-Gro Plantation	Dyna-Gro Seeds				75.4	60.3
17	Dyna-Gro Blanton	Dyna-Gro Seeds				74.2	58.9
18	AgriMAXX 492	AgriMAXX				72.5	58.6
19	Dyna-Gro Riverland	Dyna-Gro Seeds				72.0	61.2
20	Dyna-Gro 9002	Dyna-Gro Seeds				70.9	57.1
21	Blackland 825	Blackland Seeds				70.4	57.0
22	WB 2606 brand	WestBred				70.0	59.5
23	Dyna-Gro 9701	Dyna-Gro Seeds				68.7	57.4
24	USG 3640	UniSouth Genetics				67.4	60.7
25	AgriMAXX 481	AgriMAXX				67.2	60.6
26	Progeny #FURY**	Progeny				65.3	59.3
27	ARLA09137UC 17 2	University of Arkansas				65.0	58.8
28	Dyna-Gro 9811	Dyna-Gro Seeds				64.6	59.1
29	Go Wheat 6000	Stratton Seed Co.				64.3	58.4
30	GA10407 17E8	University of Georgia				63.9	58.4
31	Go Wheat 2032	Stratton Seed Co.				63.0	59.0
32	Progeny PGX18 11	Progeny				62.7	57.3
33	ARLA06146E 1 4	University of Arkansas				62.6	58.9
34	Progeny PGX18 8	Progeny				61.4	58.8
35	Dyna-Gro Rutledge	Dyna-Gro Seeds				61.4	59.0
36	GA101004 17LE17	University of Georgia				60.7	60.1
37	Progeny PGX19 15**	Progeny				60.5	59.5
38	LA15203 LDH274	Louisiana State University				59.9	57.7
39	AGS 3015	AgSouth Genetics				59.7	58.7
40	GA11656 17E11	University of Georgia				59.0	59.8
41	Progeny #TURBO**	Progeny				58.8	57.4
42	USG 3329	UniSouth Genetics				58.5	58.7
43	Progeny PGX19 17**	Progeny				58.3	57.3
44	AGS 3040**	AgSouth Genetics				56.9	57.9
45	LA15203 LDH112	Louisiana State University				56.7	58.3
46	GA101298 17LE11	University of Georgia				56.7	59.3
47	LA12275DH 56	Louisiana State University				56.5	59.1
48	FL14167LDH 158	University of Florida				56.4	57.9
49	Go Wheat LA754	Stratton Seed Co.				53.7	57.6
50	FL14078LDH 28	University of Florida				52.8	59.3
51	Progeny PGX18 9	Progeny				51.8	56.4
52	FLLA10033C 6	University of Florida				51.3	58.0
53	Progeny PGX18 2	Progeny				50.8	58.4
54	LA15166 LDH272**	Louisiana State University				50.1	59.1
	LSD (0.05)		3.7	4.0	5.3	8.4	0.7
	CV (%)		6.5	5.9	7.2	8.2	0.7
	Mean		62.8	70.1	63.4	63.1	58.8

*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.



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

Rank [†]	Variety	Class	Source	Yield (bu/ac)				Test Wt (lb/bu)
				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				63.7	62.1
20	Blackland 1889**	SRWW	Blackland Seeds				63.2	60.4
21	Agri-Pro SY Viper**	SRWW	Syngenta				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				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				55.7	61.6
33	WB 4269	HRWW	Monsanto				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.				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				52.6	62.3
40	Blackland 1812	SRWW	Blackland Seeds				52.3	61.8
41	WB Cedar	HRWW	Monsanto				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				49.8	61.6
45	Pioneer 25R61	SRWW	Corteva				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

Texas Locations Agronomic Data

South Texas: 2020

Location ¹	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/A)	Water*	Pesticide Applied (Date)
Castroville	Rolling Mangold	Possible freeze damage, low vernalization and rust	11/15/2019	71	IL	Ally/Amber (12/20/2019)
College Station	Texas A&M University Research Farm	Possible freeze damage and rust	11/4/2019	68	D	Ally/Amber (12/13/2019)
Uvalde	Texas A&M Agrilife Research and Extension Center	Possible freeze damage, low vernalization and rust	11/14/2019	68	IL	None
Eagle Lake	Jonathan Krenek	none	11/21/2019	40	D	None

¹All locations were conventionally tilled and planted on 7-inch row spacing. Standard seeding rate was 750,000 seed per acre for winter wheat and 1.2 million seed per acre for spring wheat.

*Irrigation: IL = Irrigated Limited, D = Dryland

2020 Uniform Wheat Variety Trial: HRWW & SRWW, South Texas Regional Summary

Rank [†]	Variety	Class [¶]	Source	Yield (bu/ac)				
				AVG	Castroville	College Station	Eagle Lake	Uvalde
1	GO WheatLA754	SRWW	Stratton Seed	43.2	35.7	50.8	44.0	36.3
2	AGS 2055	SRWW	AgSouth Genetics	42.4	26.4	58.4	-	53.8
3	Fury**	SRWW	Progeny	41.7	24.4	59.0	-	50.8
4	GO Wheat6000	SRWW	Stratton Seed	39.9	27.2	52.6	-	35.7
5	Gallagher	HRWW	OSU	39.0	34.7	43.4	35.3	35.6
6	AGS 3040**	SRWW	AgSouth Genetics	37.9	24.3	51.5	-	42.2
7	AGS 2024	SRWW	AgSouth Genetics	37.3	31.5	43.1	42.9	40.8
8	GO Wheat2032	SRWW	Stratton Seed	36.6	35.4	37.7	31.8	33.8
9	TX16M9473*	HRWW	TAMU	34.2	28.2	40.2	18.4	41.2
10	TX14V70214*	HRWW	TAMU	33.6	22.1	45.1	-	37.9
11	TAM 304	HRWW	Scott Seed	32.3	21.8	42.7	15.9	22.1
12	WB 4269	HRWW	WestBred	31.7	32.0	31.5	19.4	29.6
13	TX14A001035*	HRWW	TAMU	31.5	26.5	36.5	11.5	23.8
14	Greer	HRWW	Syngenta	30.0	30.4	29.7	24.9	28.7
15	TX14M7061*	HRWW	TAMU	29.3	28.8	29.9	19.8	17.6
16	TX15M8024*	HRWW	TAMU	29.3	20.9	37.6	8.9	25.7
17	TAM W-101	HRWW	TAMU	27.2	25.3	29.1	-	18.1
18	WB 4303	HRWW	WestBred	26.5	22.3	30.7	32.8	26.3
19	TAM 401	HRWW	TAMU	24.9	22.1	27.8	36.2	18.9
20	TAM 205	HRWW	TAMU	23.5	18.8	28.2	-	
LSD (0.05)				0.1	9.6	5.8	10.8	10.8
CV (%)				14.1	21.2	8.8	20.0	19.4
Mean				33.6	26.9	40.3	26.3	32.6

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-location yield average.

[¶]HRWW: Hard Red Winter Wheat; SRWW: Soft Red Winter Wheat

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

Rank [†]	Variety	Class [¶]	Source	Yield (bu/ac)			
				4-Year [‡]	3-Year	2-Year	2020
1	Greer	HRWW	Syngenta	57.3	47.2	49.9	30.4
2	Gallagher	HRWW	OSU	53.4	39.7	36.6	27.2
3	TAM 401	HRWW	TAMU	48.9	37.7	36.4	22.1
4	TAM W-101	HRWW	TAMU	39.4	30.4	30.3	25.3
5	AGS 2024	SRWW	AgSouth Genetics		58.2	54.1	31.5
6	AGS 2055	SRWW	AgSouth Genetics		56.6	55.2	26.4
7	Fury**	SRWW	Progeny		52.6	53.1	24.4
8	WB 4269	HRWW	WestBred		43.0	40.3	32.0
9	TAM 205	HRWW	TAMU		37.5	31.8	18.8
10	WB 4303	HRWW	WestBred			42.3	22.3
11	GO Wheat2032	SRWW	Stratton Seed				35.7
12	GO Wheat6000	SRWW	Stratton Seed				35.4
13	GO WheatLA754	SRWW	Stratton Seed				34.7
14	TX14M7061*	HRWW	TAMU				28.8
15	TX16M9473*	HRWW	TAMU				28.2
16	TX14A001035*	HRWW	TAMU				26.5
17	AGS 3040**	SRWW	AgSouth Genetics				24.3
18	TX14V70214*	HRWW	TAMU				22.1
19	TAM 304	HRWW	Scott Seed				21.8
20	TX15M8024*	HRWW	TAMU				20.9
LSD (0.05)				4.4	6.1	5.8	9.6
CV (%)				10.2	11.6	13.3	21.2
Mean				49.8	44.8	43.0	26.9

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2020 yield averages.

[‡]4-year average based on 2014, 2018, 2019, and 2020 data.

[¶]HRWW: Hard Red Winter Wheat; SRWW: Soft Red Winter Wheat.

2020 Uniform Wheat Variety Trial: HRWW & SRWW, College Station, TX

Rank [†]	Variety	Class [¶]	Source	Yield (bu/ac)		
				3-Year [‡]	2-Year	2020
1	Gallagher	HRWW	OSU	40.8	54.8	43.4
4	WB 4303	HRWW	WestBred	36.9	42.0	30.7
2	Greer	HRWW	Syngenta	34.4	40.4	29.7
3	TAM 401	HRWW	TAMU	29.6	34.6	27.8
5	AGS 2055	SRWW	AgSouth Genetics		73.3	58.4
6	Fury**	SRWW	Progeny		70.1	59.0
7	AGS 2024	SRWW	AgSouth Genetics		59.8	43.1
8	TAM 205	HRWW	TAMU		43.9	28.2
9	TX14A001035*	HRWW	TAMU		43.1	36.5
10	WB 4269	HRWW	WestBred		41.1	31.5
11	TAM W-101	HRWW	TAMU		25.8	29.1
12	GO Wheat6000	SRWW	Stratton Seed			52.6
13	AGS 3040**	SRWW	AgSouth Genetics			51.5
14	GO WheatLA754	SRWW	Stratton Seed			50.8
15	TX14V70214*	HRWW	TAMU			45.1
16	TAM 304	HRWW	Scott Seed			42.7
17	TX16M9473*	HRWW	TAMU			40.2
18	GO Wheat2032	SRWW	Stratton Seed			37.7
19	TX15M8024*	HRWW	TAMU			37.6
20	TX14M7061*	HRWW	TAMU			29.9
LSD (0.05)				3.9	5.6	5.8
CV (%)				11.0	10.0	8.8
Mean				35.4	48.1	40.3

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 3-year, 2-year, then 2020 yield averages.

[‡]3-year average based on 2018, 2019, and 2020 data.

[¶]HRWW: Hard Red Winter Wheat; SRWW: Soft Red Winter Wheat.

2020 Uniform Wheat Variety Trial: HRWW & SRWW, College Station, TX

Rank [†]	Variety	Class [¶]	Source	Yield (bu/ac)			
				AVG	Fungicide [‡]	No fungicide	Difference
1	AGS 2055	SRWW	AgSouth Genetics	56.6	54.9	58.4	-3.5
2	Fury**	SRWW	Progeny	54.1	49.1	59.0	-9.9
3	AGS 3040**	SRWW	AgSouth Genetics	50.0	48.5	51.5	-3.0
4	GO Wheat6000	HRWW	OSU	49.3	45.9	52.6	-6.7
5	GO WheatLA754	SRWW	Stratton Seed	48.9	47.0	50.8	-3.8
6	TX14V70214*	HRWW	TAMU	46.3	47.5	45.1	2.4
7	AGS 2024	SRWW	AgSouth Genetics	44.0	45.0	43.1	2.0
8	Gallagher	SRWW	Stratton Seed	43.1	42.8	43.4	-0.6
9	TAM 304	HRWW	Scott Seed	39.5	36.4	42.7	-6.4
10	TX16M9473*	HRWW	TAMU	38.6	37.0	40.2	-3.1
11	GO Wheat2032	SRWW	Stratton Seed	37.9	38.1	37.7	0.4
12	TX15M8024*	HRWW	TAMU	37.2	36.9	37.6	-0.7
13	TX14A001035*	HRWW	TAMU	34.8	33.0	36.5	-3.5
14	TX14M7061*	HRWW	TAMU	32.5	35.1	29.9	5.2
15	WB 4269	HRWW	WestBred	31.4	31.3	31.5	-0.2
16	Greer	HRWW	Syngenta	29.9	30.1	29.7	0.4
17	TAM W-101	HRWW	TAMU	29.5	29.9	29.1	0.8
18	WB 4303	HRWW	WestBred	29.3	28.0	30.7	-2.7
19	TAM 205	HRWW	TAMU	28.5	28.8	28.2	0.6
20	TAM 401	HRWW	TAMU	26.7	25.6	27.8	-2.3
LSD (0.05)				4.4	6.9	5.8	--
CV (%)				9.8	10.8	8.8	--
Mean				39.4	38.5	40.3	-1.7

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to average yield across fungicide treatments.

[‡]Fungicide treatment included Trivapro applied at 13.7 oz/a on May 7, 2020.

[¶]HRWW: Hard Red Winter Wheat; SRWW: Soft Red Winter Wheat.

2020 Uniform Wheat Variety Trial: HRWW & SRWW, Eagle Lake, TX

Rank [†]	Variety	Class [¶]	Company	Yield (bu/ac)		
				3-Year [‡]	2-Year	2020
1	TAM 401	HRWW	TAMU	28.9	32.1	36.2
2	WB 4303	HRWW	WestBred	28.0	36.0	32.8
3	Greer	HRWW	Syngenta	22.9	30.7	24.9
4	AGS 2024	SRWW	AgSouth Genetics		44.0	42.9
5	WB 4269	HRWW	WestBred		23.5	19.4
6	GO Wheat2032	SRWW	Stratton Seed			44.0
7	GO WheatLA754	SRWW	Stratton Seed			35.3
8	GO Wheat6000	SRWW	Stratton Seed			31.8
9	TX14M7061*	HRWW	TAMU			19.8
10	TX16M9473*	HRWW	TAMU			18.4
11	TAM 304	HRWW	Scott Seed			15.9
12	TX14A001035*	HRWW	TAMU			11.5
13	TX15M8024*	HRWW	TAMU			8.9
14	AGS 2055	SRWW	AgSouth Genetics			--
15	AGS 3040**	SRWW	AgSouth Genetics			--
16	Fury**	SRWW	Progeny			--
17	Gallagher	HRWW	OSU			--
18	TAM 205	HRWW	TAMU			--
19	TAM W-101	HRWW	TAMU			--
20	TX14V70214*	HRWW	TAMU			--
	LSD (0.05)			11.4	7.9	10.8
	CV (%)			23.9	19.5	19.9
	Mean			26.6	33.2	26.3

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 3-year, 2-year, then 2020 yield averages.

[‡]3-year average based on 2018, 2019, and 2020 data.

[¶]HRWW: Hard Red Winter Wheat; SRWW: Soft Red Winter Wheat.

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

Rank [†]	Variety	Class [¶]	Company	Yield (bu/ac)			
				4-Year [‡]	3-Year	2-Year	2020
1	Gallagher	HRWW	OSU	49.2	48.1	41.8	35.7
2	Greer	HRWW	Syngenta	48.5	55.1	51.9	28.7
3	TAM 401	HRWW	TAMU	42.6	43.0	36.8	18.9
4	TAM W-101	HRWW	TAMU	31.4	38.9	36.3	18.1
5	WB 4269	HRWW	WestBred		53.7	44.9	29.6
6	AGS 2024	SRWW	AgSouth Genetics		64.2	62.2	40.8
7	Fury**	SRWW	Progeny		65.3	63.1	50.8
8	AGS 2055	SRWW	AgSouth Genetics		67.3	66.7	53.8
9	WB 4303	HRWW	WestBred			43.3	26.3
10	AGS 3040**	SRWW	AgSouth Genetics				42.2
11	TX16M9473*	HRWW	TAMU				41.2
12	TX14V70214*	HRWW	TAMU				37.9
13	GO Wheat2032	SRWW	Stratton Seed				36.3
14	GO WheatLA754	SRWW	Stratton Seed				35.6
15	GO Wheat6000	SRWW	Stratton Seed				33.8
16	TX15M8024*	HRWW	TAMU				25.7
17	TX14A001035*	HRWW	TAMU				23.8
18	TAM 304	HRWW	Scott Seed				22.1
19	TX14M7061*	HRWW	TAMU				17.6
20	TAM 205	HRWW	TAMU				.
LSD (0.05)				5.3	7.0	8.8	10.8
CV (%)				14.3	12.8	14.1	20.0
Mean				42.9	54.4	49.7	32.6

*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.

[¶]HRWW: Hard Red Winter Wheat; SRWW: Soft Red Winter Wheat.

2020 Uniform Wheat Variety Trial: HRSW, South Texas Regional Summary

Rank [†]	Variety	Source	Yield (bu/ac)				
			AVG	Castroville	College Station	Eagle Lake	Uvalde
1	TX19spCAS020*	TAMU	44.1	33.7	55.4	45.9	41.2
2	LNR16-1223	Limagrain	40.0	36.5	49.5	39.8	34.1
3	LCS Trigger	Limagrain	39.6	39.5	50.4	36.4	32.1
4	WB 9662	WestBred	36.2	32.4	41.4	39.6	31.2
5	TX19spCAS014*	TAMU	36.1	31.3	43.0	32.6	37.6
6	TAM 801	TAMU	32.6	24.1	46.6	28.8	30.8
7	TX19spCAS032*	TAMU	31.7	31.3	43.3	28.9	23.3
8	Expresso	WestBred	31.0	28.9	41.2	30.5	23.4
9	TX19spCAS015*	TAMU	30.7	26.6	40.5	30.8	25.1
10	LNR16-2076	Limagrain	30.1	22.2	42.6	23.4	32.4
11	TX17spCAS10*	TAMU	28.5	23.2	38.9	29.5	22.2
12	TX19spCAS009*	TAMU	28.1	27.5	37.4	18.9	28.8
13	TX17spCAS09*	TAMU	28.1	31.4	34.1	24.8	22.0
14	WB 9518	WestBred	27.7	29.6	34.6	24.7	22.0
15	TX17spCAS11*	TAMU	24.8	26.0	29.2	25.1	18.7
16	WB 9668	WestBred	22.4	24.5	28.0	25.7	11.4
17	TX19spCAS007*	TAMU	22.3	23.3	29.8	17.8	18.4
18	TX19spCAS035*	TAMU	20.4	22.2	27.2	9.6	22.7
LSD (0.05)			3.0	3.5	6.2	7.2	7.1
CV (%)			12.0	7.3	9.4	15.2	16.1
Mean			30.8	28.6	39.6	28.5	26.5

*Experimental breeding line.

[†]Varieties ranked according to 4 location yield average.

2020 HRSW Variety Trial: Castroville, TX

Rank [†]	Variety	Source	Yield (bu/ac)		
			3-Year [‡]	2-Year	2020
1	WB 9662	WestBred	46.5	51.0	32.4
2	WB 9518	WestBred	44.1	46.7	29.6
3	WB 9668	WestBred	34.9	37.8	24.5
4	LCS Trigger	Limagrain			39.5
5	LNR16-1223	Limagrain			36.5
6	TX19spCAS020*	TAMU			33.7
7	TX17spCAS09*	TAMU			31.4
8	TX19spCAS014*	TAMU			31.3
9	TX19spCAS032*	TAMU			31.3
10	Expresso	WestBred			28.9
11	TX19spCAS009*	TAMU			27.5
12	TX19spCAS015*	TAMU			26.6
13	TX17spCAS11*	TAMU			26.0
14	TAM 801	TAMU			24.1
15	TX19spCAS007*	TAMU			23.3
16	TX17spCAS10*	TAMU			23.2
17	TX19spCAS035*	TAMU			22.2
18	LNR16-2076	Limagrain			22.2
	LSD (0.05)		4.6	4.6	3.5
	CV (%)		9.9	7.0	7.3
	Mean		41.8	45.2	28.6

*Experimental breeding line.

[†]Varieties ranked according to 3-year, 2-year, then 2020 yield averages.

[‡]3-year average based on 2018, 2019 and 2020 data.

2020 HRSW Variety Trial: College Station, TX

Rank [†]	Variety	Source	Yield (bu/ac)		
			3-Year [‡]	2-Year	2020
1	WB 9518	WestBred	46.8	44.5	34.6
2	WB 9668	WestBred	41.3	36.1	28.0
3	WB 9662	WestBred	39.9	44.8	41.4
4	TX19spCAS020*	TAMU			55.4
5	LCS Trigger	Limagrain			50.4
6	LNR16-1223	Limagrain			49.5
7	TAM 801	TAMU			46.6
8	TX19spCAS032*	TAMU			43.3
9	TX19spCAS014*	TAMU			43.0
10	LNR16-2076	Limagrain			42.6
11	Espresso	WestBred			41.2
12	TX19spCAS015*	TAMU			40.5
13	TX17spCAS10*	TAMU			38.9
14	TX19spCAS009*	TAMU			37.4
15	TX17spCAS09*	TAMU			34.1
16	TX19spCAS007*	TAMU			29.8
17	TX17spCAS11*	TAMU			29.2
18	TX19spCAS035*	TAMU			27.2
	LSD (0.05)		5.4	6.1	6.2
	CV (%)		12.8	11.0	9.4
	Mean		42.7	41.8	39.6

*Experimental breeding line.

[†]Varieties ranked according to 3-year, 2-year, then 2020 yield averages.

[‡]3-year average based on 2018, 2019, and 2020 data.

2020 HRSW Variety Trial: Eagle Lake, TX

Rank [†]	Variety	Source	Yield (bu/ac)	
			2-Year [‡]	2020
1	WB 9662	WestBred	40.1	39.6
2	WB 9518	WestBred	49.7	24.7
3	WB 9668	WestBred	38.0	25.7
4	TX19spCAS020*	TAMU		45.9
5	LNR16-1223	Limagrain		39.8
6	LCS Trigger	Limagrain		36.4
7	TX19spCAS014*	TAMU		32.6
8	TX19spCAS015*	TAMU		30.8
9	Espresso	WestBred		30.5
10	TX17spCAS10*	TAMU		29.5
11	TX19spCAS032*	TAMU		28.9
12	TAM 801	TAMU		28.8
13	TX17spCAS11*	TAMU		25.1
14	TX17spCAS09*	TAMU		24.8
15	LNR16-2076	Limagrain		23.4
16	TX19spCAS009*	TAMU		18.9
17	TX19spCAS007*	TAMU		17.8
18	TX19spCAS035*	TAMU		9.6
	LSD (0.05)		4.6	7.2
	CV (%)		7.0	15.2
	Mean		42.6	28.5

*Experimental breeding line.

[†]Varieties ranked according to 2019 and 2020 yield averages.

[‡]2-year average based on 2019 and 2020 data.

2020 HRSW Variety Trial: Uvalde, TX

Rank [†]	Variety	Source	Yield (bu/ac)	
			2-Year [‡]	2020
1	WB 9662	WestBred	40.1	39.6
2	WB 9518	WestBred	49.7	24.7
3	WB 9668	WestBred	38.0	25.7
4	TX19spCAS020*	TAMU		45.9
5	LNR16-1223	Limagrain		39.8
6	LCS Trigger	Limagrain		36.4
7	TX19spCAS014*	TAMU		32.6
8	TX19spCAS015*	TAMU		30.8
9	Espresso	WestBred		30.5
10	TX17spCAS10*	TAMU		29.5
11	TX19spCAS032*	TAMU		28.9
12	TAM 801	TAMU		28.8
13	TX17spCAS11*	TAMU		25.1
14	TX17spCAS09*	TAMU		24.8
15	LNR16-2076	Limagrain		23.4
16	TX19spCAS009*	TAMU		18.9
17	TX19spCAS007*	TAMU		17.8
18	TX19spCAS035*	TAMU		9.6
	LSD (0.05)		4.6	7.2
	CV (%)		7.0	15.2
	Mean		42.6	28.5

*Experimental breeding line.

[†]Varieties ranked according to 2019 and 2020 yield averages.

[‡]2-year average based on 2019 and 2020 data.

2019-20 Wheat Variety Distributor List[§]

Variety	Class [†]	Seed type [‡]	Distributor	Address	Phone Number
Avery ²	HRWW	C	Eastern Colorado Seeds, LLC.	P.O. Box 1448, Dumas, TX 79029	(844) 683-5868
Coker 9553 ²	SRWW	C	Clinton Bayer & Son's LLC	3307 FM 2739, Muenster, TX	(940) 759-2924
		C	Browning Seed, Inc.	3101 S. IH 27, Box 1, Plainview, TX 79072	(806) 293-5271
		C	Farmers Ag Supply LLC	Box 395, Spearman, TX 79081	(806)659-5000
Deliver ²	HRWW	C	Ward Seed, Gayland	US Hwy 60, Hereford, TX 79045	(806)258-7394
		C	Wards Seeds, Inc.	P.O. Box 1877, Hereford, TX 79045	(806)364-4470
Expresso	HRSW	C,R	Atkison Seed & Supply	Box 656, Comfort, TX 78013	(830) 995-2186
Fannin ²	HRWW	C	Farmers Co-op Gin & Elevator	1901 Ackerly St., Vernon, TX	(940) 552-6277
Gallagher ²	HRWW	C,R	Harvest Master Seed Co.	Rt. 1 Box 52M, Knippa	(830) 934-2775
		C,R	Holubec, David	135 PR 555, Melvon, TX 76585	(325) 286-4284
Greer ²	HRWW	C	Abilene Ag Service & Supply, Inc.	303 South 14th St., Abilene	(325) 677-4371
HG-9 ²	HRWW	F	Louis Dreyfus Commodities LLC	444 FM 2006, Chillicothe	(940) 852-5118
Iba ²	HRWW	C,R	Bezner Partnership	1183 Bezner Lane, Texline	(806) 333-2774
		C	Farmers Ag Supply, LLC	Box 395, Spearman, TX 79081	(806) 659-5000
LCS Chrome	HRWW	C,R	Holubec, David	135 PR 555, Melvin, TX 76585	(325) 286-4284
		R	Abilene Ag Service & Supply, Inc.	303 South 14th St., Abilene	(325) 677-4371
LCS Mint ²	HRWW	R	Eastern Colorado Seeds, LLC.	P.O. Box 1448, Dumas, TX 79029	(844) 683-5868
LCS Trigger	HRSW	C,F	King Co., Douglass W.	Box 200320, San Antonio, TX 78220	(210) 661-4191
Lonerider	HRWW	C	Blaise Wilde	PO Box 179, Wall, TX	(325) 656-2997
Long Branch	HRWW	C	Loveland Products, inc./ Dyna-Gro	-	-
Longhorn ²	HRWW	R	Loveland Products, inc./ Dyna-Gro	-	-
Pete ²	HRWW	R	Browning Seed, INC	3101 S. IH 27, Box 1, Plainview, TX 79072	(806) 293-5271
		C	Blaise Wilde	PO Box 179, Wall, TX	(325) 656-2997
		C,R	Harvest Master Seed Co.	Rt. 1 Box 52M, Knippa	(830) 934-2775
Smiths Gold	HRWW	C,R	Holubec, David	135 PR 555, Melvin, TX 76585	(325) 286-4284
		C	Farmers Co-op Gin & Elevator	Box 1431, Vernon, TX 76385	(940) 552-6277
		C,R	Louis Dreyfus Commodities LLC	444 FM 2006, Chillicothe	(940) 852-5118
SY Achieve CL ²	HRWW	R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
SY Drifter ²	HRWW	C,R	West Gaines Seed, Inc.	Box 1020, Seminole	(432) 758-3628
SY Flint ²	HRWW	R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
		C	Holubec, David	135 PR 555, Melvin, TX 76585	(325) 286-4284
SY Grit ²	HRWW	R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
		C,R	West Gaines Seed, Inc.	Box 1020, Seminole	(432) 758-3628
SY Monument ²	HRWW	C	Farmers Co-op Gin & Elevator	Box 1431, Vernon, TX 76385	(940) 552-6277
		C	Farnsworth Seed	Box 253, Farnsworth, TX 79033	(806) 435-4104
		R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
SY Razor ²	HRWW	R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
		C,R	Clinton Bayer & Son's LLC	3307 FM 2739, Muenster, TX	(940) 759-2924
		C	Ferti-Tex, LLC	1100 E. Central, Comanche, TX 76442	(325) 356-5460
		C	Kimbrell Partners, LLC	PO Box 888, Sunray, TX 79086	(806) 922-3276
		C,R	Loveland Products, inc./ Dyna-Gro	-	-
		C	Muleshoe Ag Services	Box 381, Henrietta, TX 76365	(940) 529-6500
		C	Ward Seed, Gayland	US Hwy. 60, Hereford, TX 79045	(806) 258-7394
		C,R	West Gaines Seed, Inc.	Box 1020, Seminole	(432) 758-3628
SY Rugged ²	HRWW	R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
		C,R	Clinton Bayer & Son's LLC	3307 FM 2739, Muenster, TX	(940) 759-2924
		C	Muleshoe Ag Services	Box 381, Henrietta, TX 76365	(940) 529-6500
SY Southwind ²	HRWW	R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
SY Sunrise ²	HRWW	R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
SY Viper ²	HRWW	C	Clinton Bayer & Son's LLC	3307 FM 2739, Muenster, TX	(940) 736-3039
T158	HRWW	R	Eastern Colorado Seeds, LLC.	P.O. Box 1448, Dumas, TX 79029	(844) 683-5868
TAM 111 ²	HRWW	C	Ward Seed, Gayland	US Hwy. 60, Hereford, TX 79045	(806) 258-7394
		C	West Gaines Seed, Inc.	Box 1020, Seminole	(432) 758-3628

2020-21 Wheat Variety Distributor List CONTINUED

TAM 112 ²	HRWW	C,R	Watley Seed Company	Box 51, Spearman, TX 79081	(806) 659-3838
		C	Kirkland Seed, inc.	PO Box 590, Vega, TX 79092	(806) 666-2670
		C	Ward Seed, Gayland	US Hwy. 60, Hereford, TX 79045	(806) 258-7394
TAM 114 ²	HRWW	C	Abilene Ag Service & Supply, Inc.	303 South 14th St., Abilene	(325) 677-4371
		C	Big N Fertilier	PO Box 393, Tulia, TX 79088	(806) 627-7878
		C	Farmers Ag Supply, LLC	Box 395, Spearman, TX 79081	(806) 659-5000
		C	Justin Seed Co., Inc.	Box 6, Justin, TX 76247	(940) 648-2751
		C	Kimbrell Partners, LLC	PO Box 888, Sunray, TX 79086	(806) 922-3276
		C	Mulshoe Ag Services	Box 381, Henrietta, TX 76365	(940) 529-6500
		C	Scott Seed Co.	Box 1732, Hereford, TX 79045	(806) 364-3484
		C	Seed-Tex	Box 203, New Castle, TX 76372	(940) 550-5888
		C	Turner Seed Co., Bob	211 CR 151, Breckenridge, TX 76424	(800) 722-8616
		C,R	Warner Seeds, Inc.	P.O. Box 1877, Hereford, TX 79045	(806) 364-4470
TAM 204 ²	HRWW	C	Watley Seed Company	Box 51, Spearman, TX 79081	(806) 659-3838
		C	Abilene Ag Service & Supply, Inc.	303 South 14th St., Abilene	(325) 677-4371
		C	Cen-Tex Seed & Delinting	1301 Old 77/81 S., Hillsboro, TX 76645	(254) 582-8314
		C	Haiduk, Harry P.	6202 McCoy, Amarillo, TX 79109	(806) 674-7110
		C	Holubec, David	135 PR 555, Melvin, TX 76585	(325) 286-4284
		C	Kirkland Seed, inc.	PO Box 590, Vega, TX 79092	(806) 666-2670
		C	Parker Farms	Box 749, Munday, TX 76371	(940) 422-4577
		C	Scott Seed Co.	Box 1732, Hereford, TX 79045	(806) 364-3484
		F	Texas Ag Exp Station	11914 Hwy. 70, Vernon, TX 76384	(940) 552-6226
		C	Ward Seed, Gayland	US Hwy. 60, Hereford, TX 79045	(806) 258-7394
TAM 304 ²	HRWW	C,R	Warner Seeds, Inc.	P.O. Box 1877, Hereford, TX 79045	(806) 364-4470
		C	Watley Seed Company	Box 51, Spearman, TX 79081	(806) 659-3838
TAM 401 ²	HRWW	C	Scott Seed Co.	Box 1732, Hereford, TX 79045	(806) 364-3484
		F	Texas Ag Exp Station	11914 Hwy. 70, Vernon, TX 76384	(940) 552-6226
TAMSP 801	HRSW	F	King Co., Douglass W.	Box 200320, San Antonio, TX 78220	(210) 661-4191
Underwood ²	HRWW	C	Loveland Products, inc./ Dyna-Gro	-	-
WB 4303	HRWW	F	Monsanto	11613 N I-27 Hwy, Lubbock, TX 79403	(806) 724-3500
WB 4418	HRWW	C	Holubec, David	135 PR 555, Melvin, TX 76585	(325) 286-4284
		C	Louis Dreyfus Commodities LLC	444 FM 2006, Chillicothe	(940) 852-5118
WB 4458 ²	HRWW	C	Steven Beakley	817 Basinger Rd., Ennis, TX 75119	(214) 808-1910
		C	Abilene Ag Service & Supply, Inc.	303 South 14th St., Abilene	(325) 677-4371
WB 4515	HRWW	C	Abilene Ag Service & Supply, Inc.	303 South 14th St., Abilene	(325) 677-4371
		C	Holubec, David	135 PR 555, Melvin, TX 76585	(325) 286-4284
		F	Monsanto	11613 N I-27 Hwy, Lubbock, TX 79403	(806) 724-3500
WB 4518	HRSW	C	Parker Farms	Box 749, Munday, TX 76371	(940) 422-4577
		C,F	Atkison Seed & Supply	Box 656, Comfort, TX 78013	(830) 995-2186
WB Cedar	HRWW	C	Cen-Tex Seed & Delinting	1301 Old 77/81 S., Hillsboro, TX 76645	(254) 582-8314
WB-Grainfield	HRWW	C	Kimbrell Partners, LLC	PO Box 888, Sunray, TX 79086	(806) 922-3276
		C	Kimbrell Partners, LLC	PO Box 888, Sunray, TX 79086	(806) 922-3276
Winterhawk	HRWW	C	Louis Dreyfus Commodities LLC	444 FM 2006, Chillicothe	(940) 852-5118
		C	Ward Seed, Gayland	US Hwy. 60, Hereford, TX 79045	(806) 258-7394

[§] Information obtained from the 2019 Spring Seed Directory

¹This variety is protected by the **United States Plant Variety Protection Act**. Must have consent of owner for propagation.

²This variety is protected by **Title V of the Federal Seed Act. Unauthorized Propagation Prohibited**

Protected Variety - To Be Sold By Variety Name Only as a Class of Certified Seed – U.S.

³This variety will be grown under the **Single Seed Use Agreement**.

⁴This variety is **Patent Protected**.

[†] HRWW = Hard Red Winter Wheat, SRWW = Soft Red Winter Wheat, HRSW = Hard Red Spring Wheat

[‡] C = Certified seed, R = Registered seed, F = Foundation seed

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