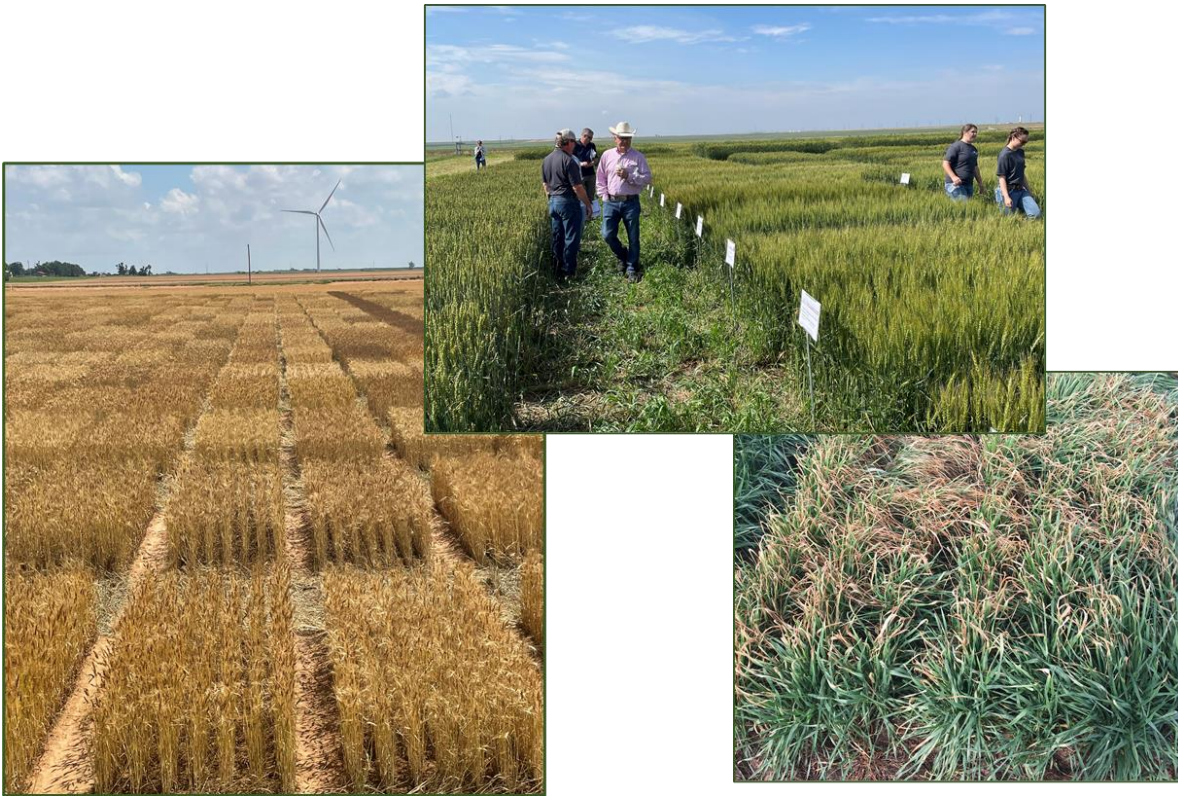


2021 Texas Wheat Variety Trial Results



Varietytesting.tamu.edu

2021

Texas Wheat Uniform Variety Trials

varietytesting.tamu.edu/wheat

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Table of Contents

Introduction	1
Texas Wheat Region Map	3
2021 Texas Wheat Region Overview	4
Texas 2021 Hard Winter Wheat Characteristics	5
Texas 2021 Soft Winter Wheat Characteristics.....	6
Texas 2021 Hard Spring Wheat Characteristics.....	7
High Plains Locations Details	8
High Plains Hard Red Winter Wheat 2021 Irrigated Regional Summary	9
Bushland Irrigated Hard Red Winter Wheat Results	10
Dalhart Irrigated Hard Red Winter Wheat Results.....	11
Dumas Irrigated Hard Red Winter Wheat Results	12
High Plains Hard Red Winter Wheat 2021 Dryland Regional Summary	13
Bushland Dryland Hard Red Winter Wheat Results	14
Groom Dryland Hard Red Winter Wheat Results	15
Perryton Dryland Hard Red Winter Wheat Results	16
Rolling Plains Locations Details	17
Rolling Plains Hard Red Winter Wheat 2021 Regional Summary	18
Chillicothe Hard Red Winter Wheat Results.....	19
Munday Hard Red Winter Wheat Results	20
Blacklands Locations Details	21
Blacklands Hard Red Winter Wheat 2021 Regional Summary	22
Ennis Hard Red Winter Wheat Results	23
Greenville Hard Red Winter Wheat Results	24
Hillsboro Hard Red Winter Wheat Results	25
McGregor Hard Red Winter Wheat Results.....	26
McGregor Intensive vs. Standard Management Results	27
Thrall Hard Red Winter Wheat Results.....	28
Blacklands Soft Red Winter Wheat 2021 Regional Summary.....	29
Ennis Hard Red Winter Wheat Results	30
Greenville Hard Red Winter Wheat Results	31
Hillsboro Hard Red Winter Wheat Results	32
McGregor Hard Red Winter Wheat Results.....	33
South Texas Locations Details	34
South Texas Hard & Soft Red Winter Wheat 2021 Regional Summary	35

Castroville Hard & Soft Red Winter Wheat Results	36
College Station Hard & Soft Red Winter Wheat Results.....	37
College Station Intensive vs. Management Results	38
Uvalde Hard & Soft Red Winter Wheat Results	39
2021 Wheat Seed Directory.....	40
Acknowledgements	42

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 2020-21 wheat production season, Texas producers planted 5.5 million acres of wheat (up 12.2% from 2020), harvested 2.3 million acres for grain (up 9.5% from 2020), with an average yield of 37 bushels per acre (up 23.3% from 2020) (National Agricultural Statistics Service, NASS).

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 and disease 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:

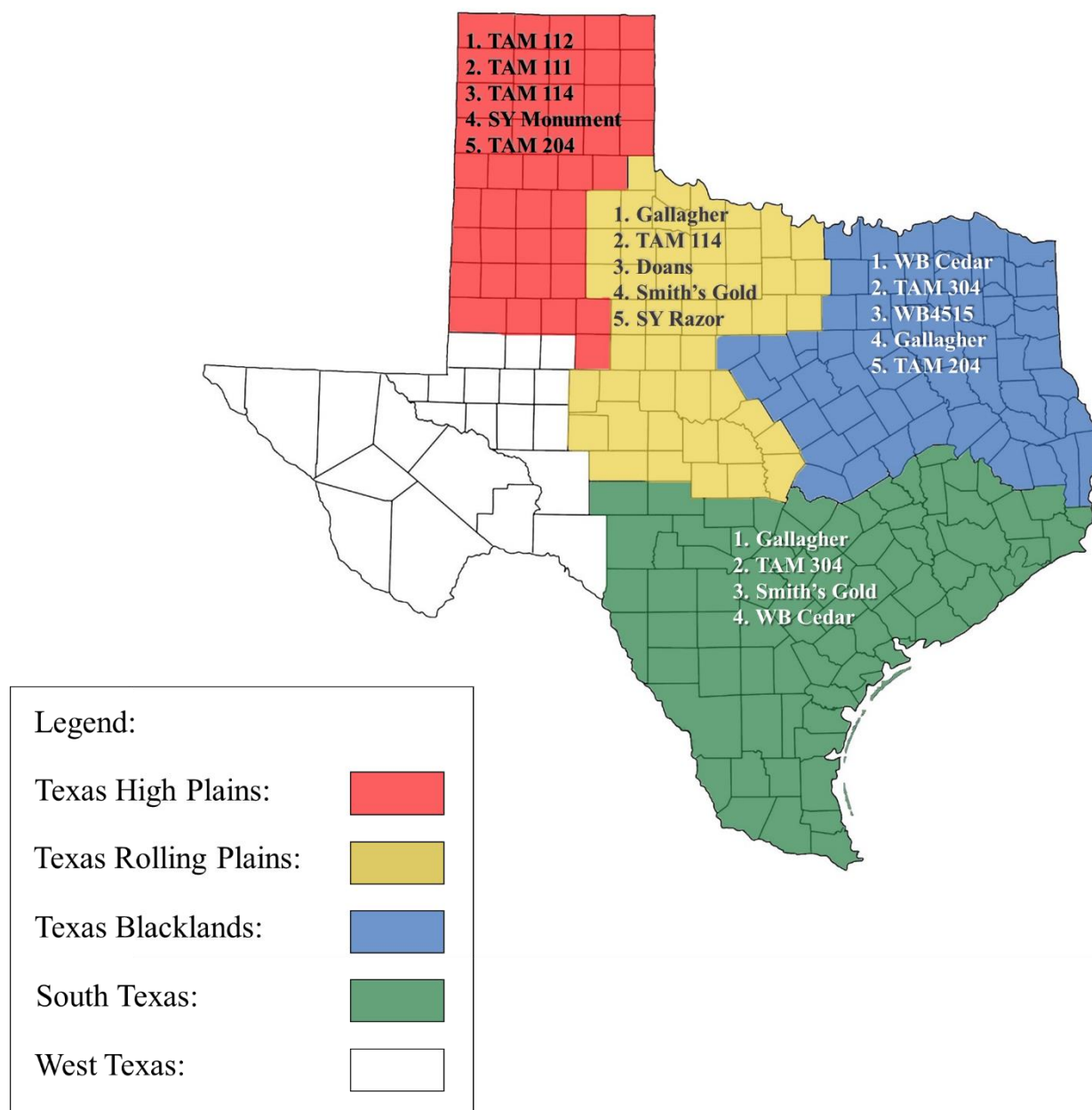
Yield and test weight at each location have been analyzed using appropriate statistical procedures. The statistical analysis provides the mean, CV, and LSD values. It is important to note these statistical values to prevent misinterpretation of any replicated data.

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: 2021 Top 5 Planted Varieties by Region



Data retrieved from the USDA-NASS 2020 Texas Wheat Survey

2021 Texas Region Overview

Texas High Plains: Variable rainfall and an expanding drought in 2020 resulted in poor planting conditions across the Texas High Plains. There was minimal winter precipitation through the central and northern Panhandle resulting in another dry winter. The severe freeze in February 2021 caused some injury in southern, more mature fields, but across the region there was minimal injury. Much of the region received several inches of snow before the onset of sub-zero temperatures, which buffered the wheat from potential injury. A mid-April freeze caused varying degrees of injury to regional wheat fields. Injury was most evident in earlier maturing varieties in the central and southeastern production region. Late April and early May were hot and dry resulting in water stress across much of the region, but conditions quickly changed in mid-May. Cool and wet conditions resulted in a prolonged grain-fill period and significantly boosted yields of later planted fields. Even with cool, wet conditions, rust conditions were moderate. Wheat streak mosaic virus was heavy in many areas.

Texas Rolling Plains: The wheat season started with mild soil temperatures in the fall of 2020. However, dry conditions persisted during planting season through March 2021, which reduced forage production in dual-purpose wheat in the region. In addition to that, the snowstorm of February 2021 slowed the crop's growth, which further reduced forage production. Spots of freeze injury were observed in wheat fields, especially in the lowland and water-stressed areas, probably from the cold snaps observed in early April. There were moderate pressures of stripe and leaf rust due to the high humidity conditions in April and May. Despite the dry winter conditions, cool temperatures and above average precipitation in April and May increased yields in the region. Although harvesting was delayed due to the continuous rainfall in May and June, above average yields were observed in many areas.

Texas Blacklands: Variable conditions characterized the start of the growing season in the region. Adequate planting conditions were observed with exception of the south-west area, where severe drought delayed the planting of wheat and affected proper crop establishment. The unprecedented freezing temperatures observed in early February delayed crop growth. Wet conditions in April caused disease pressure, mainly strip rust and leaf rust in some areas. Lack of moisture during flowering affected the performance of the crop in some fields. May entered with very wet conditions which continued until June, delaying harvest, affecting grain quality, and causing seed sprouting in some fields.

South Texas: The 2020/2021 season started with appropriate conditions for most of the region. The freezing temperature conditions observed in early February affected to some degree the normal growth of wheat. Intensive disease pressure, caused mainly by leaf rust and stripe rust, affected the crop in the region with a significant impact on yield performance. Unrelenting wet conditions in April and May caused severe lodging in some areas, delayed harvest of the crop and affected grain quality as well.

Texas 2021 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*	MR*	MR*	-	-	MR*	S*	-	-	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*	MS*	-	-	-	-	-	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	Watley Seed	2019	Late	-	R	R	R	-	-	R	MR	-	R	-
TAM 204**	Watley Seed	2014	Medium	32	S	MR	R	-	-	MR	MR	-	R	R
TAM 205	Adaptive Genetics	2019	Late	-	R	R	R	-	-	-	R	-	-	-
TAM 304	Scott Seed	2007	Med Early	30	MR	MS	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	WestBred	2016	Med Early*	-	MS	MR*	-	-	-	-	-	-	-	S
WB 4303	WestBred	2016	Medium*	-	S	MS	-	-	-	S	-	-	-	-
WB 4418	WestBred	2015	Med Late	-	S	MS	-	-	-	-	-	-	-	-
WB 4515	WestBred	2016	Med Early*	-	S	MR	MR	-	-	MR	-	-	-	S
WB 4595	WestBred	2019	Medium	28	-	MR	R	-	MS	S	-	MR	-	-
WB4699	WestBred	2018	Med Late*	-	MR*	MR*	-	-	MR*	R*	MS*	MR*	-	MS*
WB 4792	WestBred	2018	Med Late*	-	R*	MR*	-	-	MS*	S*	MS*	MR*	-	MR*
WB Cedar	WestBred	2011	Early	26	S	MR	R	-	-	MR	-	-	-	S*
Weathermaster 135**	Unknown	Unknown	Medium	27	MR	MS	S	-	-	MS	-	-	-	-
Winterhawk	WestBred	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 2021 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	WestBred	2018	Medium Late	R	R	Tip-Awned	--
WB2606 brand	WestBred	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 2021 Hard Red Spring Wheat Characteristics¹

Variety	Source	First Year Sold	Maturity Group	Height (inches)	Leaf Rust	Stripe Rust	Awned/Awnless
Expresso	WestBred	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	WestBred	2018	Med Early	--	MR*	R*	Awned
WB 9411	WestBred	2015	Early	27	MS	MR	Awned
WB 9518	WestBred	2015	Early	26	MR	R	Awned
WB 9662	WestBred	--	Med Early	25	MD	R*	Awned
WB 9668	WestBred	--	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: 2021

Location ¹	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/ac)	Water*	Seeding Rate
Bushland Dryland	Texas A&M AgriLife Research and Extension Center	Drought Spring freeze damage, and root rot	10/6/2020	None	D	600K Seeds/ac
Bushland Irrigated	Texas A&M AgriLife Research and Extension Center	Minor stripe rust	10/12/2020	80	IF	1.1M Seeds/ac
Dalhart	3B Farms	Late emergence, low tillering	11/6/2020	N/A	IF	1.1M Seeds/ac
Dumas	Reznik Farms	Heavy WSMV	11/12/2020	N/A	IL	1.1M Seeds/ac
Groom	James Weinheimer	None	10/24/2020	None	D	600K Seeds/ac
Hale Center	Ronald Groves	ABANDONED Drought	12/7/2020	25	IF	1.1M Seeds/ac
Lubbock	Texas A&M AgriLife Research and Extension Center	ABANDONED Drought	11/5/2020	25	D	600K Seeds/ac
Nazareth	Clay Cogburn	ABANDONED Poor establishment	11/12/2020	N/A	D	600K Seeds/ac
Olton	Dustin McFadden	None	12/8/2020	26	IF	1.1M Seeds/ac
Parmer Co.	James Sides	ABANDONED Drought	11/10/2020	None	D	600K Seeds/ac
Perryton	Ramon Vera	None	11/9/2020	57	D	600K Seeds/ac

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

¹All locations conventionally tilled.

2021 Uniform Wheat Variety Trial: HRWW, High Plains Irrigated Regional Summary

2021 Uniform Wheat Variety Trial: TX14WV High Plains Integrated Regional Summary								
Rank [†]	Variety	Source	Yield (bu/ac)					Test Wt (lb/bu)
			AVG	Bushland	Dalhart	Dumas	Olton	2021
1	Guardian	CSU	80.6	102.7	71.1	80.6	68.2	57.8
2	WB4792	WestBred	79.9	119.1	68.8	58.1	73.7	57.7
3	Crescent AX	CSU	79.4	102.9	76.9	64.2	73.5	56.9
4	TAM 205	Adaptive Genetics	78.4	102.3	58.1	74.7	78.5	58.6
5	Showdown	OSU	77.9	109.9	72.0	50.7	78.9	55.4
6	WB4595	WestBred	77.7	107.6	69.5	52.7	81.0	58.1
7	TAM 115	Watley Seed	77.3	104.7	58.4	67.3	79.0	58.0
8	TX14M7061*	TAMU	76.3	108.7	73.7	54.5	68.4	55.7
9	Kivari AX (CO14A055-258)	CSU	75.6	107.0	75.4	41.6	78.6	55.1
10	CP7017AX	Croplan	75.4	102.0	79.1	57.4	63.3	55.9
11	AP Roadrunner	Syngenta	74.5	105.6	65.6	52.0	74.9	55.3
12	TX14A001035*	TAMU	74.3	104.9	70.0	48.7	73.5	56.9
13	Canvas	CSU	74.2	98.2	71.9	63.1	63.6	57.5
14	TAM 113	Adaptive Genetics	74.2	111.8	61.3	53.3	70.4	56.4
15	AP EverRock	Syngenta	74.1	103.2	72.7	46.7	73.8	55.7
16	TAM 114	Adaptive Genetics	73.6	101.3	70.8	52.3	70.2	57.2
17	TAM 112	Watley Seed	73.1	98.9	69.6	56.5	67.5	57.0
18	SY Wolverine	Syngenta	73.1	107.6	65.5	45.5	73.6	55.9
19	OK 168512	OSU	72.8	94.6	63.9	61.8	65.9	54.1
20	OK Corral**	OSU	72.3	100.3	75.9	47.3	71.0	57.3
21	TX15M8024*	TAMU	70.3	99.5	74.4	41.8	65.5	55.4
22	Lonerider	OSU	68.8	94.5	64.8	51.1	64.7	56.6
23	TX14V70214*	TAMU	67.4	97.8	72.7	36.5	62.8	54.6
24	TAM 204**	Watley Seed	67.0	93.3	70.8	47.2	56.8	54.8
25	TX14A001249*	TAMU	66.9	86.8	68.9	41.6	70.6	56.2
26	TAM 304	Scott Seed	66.8	95.4	67.0	41.6	63.1	53.9
27	TX16M9216*	TAMU	65.1	91.9	63.5	29.8	75.1	--
28	Baker's Ann	OSU	63.8	82.3	67.2	54.1	51.8	56.8
29	CP7050AX	Croplan	60.5	73.2	59.8	49.4	59.5	56.3
30	TAM W-101	TAMU	55.9	68.1	55.4	40.2	59.8	56.0
LSD (0.05)			5.4	8.8	15.1	13.2	8.7	0.7
CV (%)			9.5	5.4	12.0	15.2	9.0	1.5
Mean			72.2	99.2	68.5	52.1	69.2	56.3

*Experimental breeding line.

**Awnless variety.

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

2021 Uniform Wheat Variety Trial: HRWW, Bushland, TX (Irrigated)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	TAM 113	Adaptive Genetics	96.5	96.9	97.9	111.8	63.4
2	TAM 114	Adaptive Genetics	95.4	94.0	89.1	101.3	63.3
3	TAM 112	Watley Seed	93.1	92.8	91.5	98.9	63.1
4	TAM 204**	Watley Seed	89.3	88.4	86.0	93.3	61.0
5	TAM W-101	TAMU	75.0	73.1	65.9	68.1	61.6
6	WB4792	WestBred		107.4	108.5	119.1	63.4
7	SY Wolverine	Syngenta		100.5	97.0	107.6	62.7
8	Showdown	OSU		91.0	84.9	109.9	62.1
9	Lonerider	OSU		89.6	85.1	94.5	62.8
10	WB4595	WestBred			103.5	107.7	63.5
11	TX14M7061*	TAMU			101.7	108.7	62.4
12	TX14A001035*	TAMU			100.4	104.9	63.8
13	CP7017AX	Croplan			94.8	102.0	62.8
14	OK 168512	OSU			92.7	94.6	62.4
15	TAM 115	Watley Seed			90.9	104.7	63.7
16	TAM 205	Adaptive Genetics			89.0	102.3	63.5
17	TX14V70214*	TAMU			86.6	97.8	61.6
18	Baker's Ann	OSU			77.1	82.3	62.4
19	CP7050AX	Croplan			62.0	73.2	61.4
20	Kivari AX (CO14A055-258)	CSU				107.0	61.7
21	AP Roadrunner	Syngenta				105.6	62.6
22	AP EverRock	Syngenta				103.2	61.9
23	Crescent AX	CSU				102.9	63.0
24	Guardian	CSU				102.7	62.8
25	OK Corral**	OSU				100.3	61.4
26	TX15M8024*	TAMU				99.5	61.7
27	Canvas	CSU				98.2	62.5
28	TAM 304	Scott Seed				95.4	61.3
29	TX16M9216*	TAMU				91.9	62.1
30	TX14A001249*	TAMU				86.8	61.4
LSD (0.05)			3.1	5.1	6.7	8.8	1.1
CV (%)			4.2	5.8	6.5	5.4	1.1
Mean			89.9	92.6	89.7	99.2	62.4

*Experimental breeding line.

**Awnless variety.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

‡4-year average based on 2018, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, Dalhart, TX (Irrigated)

Rank	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year	3-Year	2-Year	2021	2021
1	TAM 112	Watley Seed	80.4	88.4	94.2	69.6	51.0
2	TAM 304	Scott Seed	79.1	89.1	93.7	67.0	47.3
3	TAM 113	Adaptive Genetics	78.2	86.9	92.2	61.3	50.2
4	TAM W-101	TAMU	67.3	78.1	82.6	55.4	50.4
5	TAM 204**	Watley Seed		92.2	98.7	70.8	47.9
6	TAM 114	Adaptive Genetics		89.1	96.7	70.8	51.3
7	Showdown	OSU			102.2	72.0	48.1
8	WB4792	WestBred			99.6	68.8	52.0
9	Lonerider	OSU			93.9	64.8	50.4
10	Guardian	CSU				71.1	54.4
11	TAM 205	Adaptive Genetics				58.1	54.5
12	TAM 115	Watley Seed				58.4	53.0
13	Crescent AX	CSU				76.9	52.5
14	Canvas	CSU				71.9	52.1
15	OK 168512	OSU				63.9	52.8
16	CP7017AX	Croplan				79.1	49.1
17	TX14M7061*	TAMU				73.7	49.0
18	Baker's Ann	OSU				67.2	51.2
19	WB4595	WestBred				69.5	51.9
20	AP Roadrunner	Syngenta				65.6	47.9
21	CP7050AX	Croplan				59.8	50.2
22	TX14A001035*	TAMU				70.0	49.9
23	OK Corral**	OSU				75.9	46.1
24	AP EverRock	Syngenta				72.7	49.8
25	SY Wolverine	Syngenta				65.5	49.5
26	TX15M8024*	TAMU				74.4	48.1
27	Kivari AX (CO14A055-258)	CSU				75.4	48.2
28	TX14A001249*	TAMU				68.9	49.9
29	TX14V70214*	TAMU				72.7	46.8
30	TX16M9216*	TAMU				63.5	.
LSD (0.05)			7.7	NS	NS	15.1	1.9
CV (%)			11.5	12.9	12.5	12.0	2.0
Mean			76.3	87.3	94.9	68.5	50.2

*Experimental breeding line.

**Awnless variety.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

‡4-year average based on 2011, 2012, 2019 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, Dumas, TX (Irrigated)

Rank	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year	3-Year	2-Year	2021	2021
1	TAM 114	Adaptive Genetics	80.9	82.3	78.6	52.3	51.3
2	TAM 112	Watley Seed	72.0	70.3	66.5	56.5	51.0
3	TAM 113	Adaptive Genetics	71.5	71.4	65.5	53.3	50.2
4	TAM 204**	Watley Seed	71.4	71.6	68.3	47.2	47.9
5	TAM W-101	TAMU	70.4	68.7	65.7	40.2	50.4
6	WB4792	WestBred		82.2	76.6	58.1	52.0
7	SY Wolverine	Syngenta		74.4	68.7	45.5	49.5
8	Showdown	OSU		72.9	64.5	50.7	48.1
9	Lonerider	OSU		71.9	68.3	51.1	50.4
10	TAM 205	Adaptive Genetics			84.4	74.7	54.5
11	OK 168512	OSU			79.0	61.8	52.8
12	CP7017AX	Croplan			78.8	57.4	49.1
13	WB4595	WestBred			74.1	52.7	51.9
14	TAM 115	Watley Seed			73.8	67.3	53.0
15	Baker's Ann	OSU			72.3	54.1	51.2
16	TX14M7061*	TAMU			72.1	54.5	49.0
17	CP7050AX	Croplan			72.0	49.4	50.2
18	TX14A001035*	TAMU			71.5	48.7	49.9
19	TX14V70214*	TAMU			64.9	36.5	46.8
20	Guardian	CSU				80.6	54.4
21	Crescent AX	CSU				64.2	52.5
22	Canvas	CSU				63.1	52.1
23	AP Roadrunner	Syngenta				52.0	47.9
24	OK Corral**	OSU				47.3	46.1
25	AP EverRock	Syngenta				46.7	49.8
26	TX15M8024*	TAMU				41.8	48.1
27	TAM 304	Scott Seed				41.6	47.3
28	Kivari AX (CO14A055-258)	CSU				41.6	48.2
29	TX14A001249*	TAMU				41.6	49.9
30	TX16M9216*	TAMU				29.8	.
LSD (0.05)			5.3	6.2	8.3	13.2	1.9
CV (%)			8.8	8.7	10.0	15.2	2.0
Mean			73.2	74.0	71.9	52.1	50.2

*Experimental breeding line.

**Awnless variety.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

‡4-year average based on 2018, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, High Plains Dryland Regional Summary

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			AVG	Bushland	Groom	Perryton	2021
1	CP7017AX	Croplan	52.6	39.4	82.7	35.7	57.0
2	AP Roadrunner	Syngenta	51.5	35.9	85.0	33.7	56.4
3	TX14A001035*	TAMU	51.4	38.9	80.2	35.2	57.8
4	TAM 205	Adaptive Genetics	51.2	35.8	84.7	33.0	57.7
5	Crescent AX	CSU	49.7	23.3	82.8	43.0	56.4
6	Showdown	OSU	49.6	33.4	79.3	36.0	56.0
7	OK Corral**	OSU	49.4	34.3	76.4	36.8	55.1
8	TX14M7061*	TAMU	49.0	22.9	87.6	36.4	56.3
9	TAM 115	Watley Seed	48.6	22.9	86.3	36.5	58.1
10	TX14A001249*	TAMU	48.6	41.7	67.3	36.6	56.5
11	Winterhawk	WestBred	48.3	31.1	78.9	35.0	57.2
12	Canvas	CSU	47.5	22.8	83.7	36.2	--
13	TAM 112	Watley Seed	47.1	31.6	73.9	35.8	56.7
14	TAM 304	Scott Seed	47.0	27.3	80.7	33.0	55.2
15	WB4792	WestBred	46.6	25.0	85.6	29.2	58.0
16	Lonerider	OSU	46.6	28.9	76.4	34.5	56.7
17	TAM 113	Adaptive Genetics	46.4	29.9	78.3	31.0	56.6
18	OK 168512	OSU	46.4	26.2	77.0	36.6	56.4
19	WB4595	WestBred	46.4	35.6	73.6	29.9	58.5
20	Guardian	CSU	46.3	24.2	78.2	36.5	--
21	Baker's Ann	OSU	45.3	29.5	72.9	33.7	57.0
22	TX15M8024*	TAMU	45.3	25.1	71.1	39.6	55.5
23	Kivari AX (CO14A055-258)	CSU	44.2	12.9	80.4	39.4	--
24	TAM 204**	Watley Seed	43.9	14.6	83.6	33.5	--
25	TX14V70214*	TAMU	43.5	22.1	78.6	29.7	55.1
26	TAM 114	Adaptive Genetics	42.3	25.4	70.6	30.8	58.5
27	TX16M9216*	TAMU	40.4	21.4	71.2	28.6	--
28	CP7050AX	Croplan	39.6	32.6	60.9	25.2	57.3
29	TAM W-101	TAMU	36.6	19.4	59.9	30.5	--
LSD (0.05)			5.1	9.2	10.2	7.3	0.6
CV (%)			11.7	20.0	8.0	12.8	0.9
Mean			46.6	28.1	77.5	34.2	56.8

*Experimental breeding line.

**Awnless variety.

†Varieties ranked according to 3-location yield averages.

2021 Uniform Wheat Variety Trial: HRWW, Bushland, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	Winterhawk	WestBred	40.1	47.1	34.1	31.1	56.3
2	TAM 114	Adaptive Genetics	37.4	43.8	31.3	25.4	58.9
3	TAM 112	Watley Seed	37.2	41.0	32.9	31.6	56.2
4	TAM 113	Adaptive Genetics	36.3	40.8	31.0	29.9	56.1
5	TAM 204**	Watley Seed	33.5	37.3	26.1	14.6	57.7
6	TAM W-101	TAMU	31.2	36.3	24.2	19.4	--
7	Showdown	OSU		46.9	33.9	33.4	54.9
8	WB4792	WestBred		46.8	30.8	25.0	55.8
9	Lonerider	OSU		46.1	34.1	28.9	55.1
10	TX14A001249*	TAMU			41.6	41.7	57.6
11	CP7017AX	Croplan			41.6	39.4	57.0
12	WB4595	WestBred			40.9	35.6	58.3
13	TX14A001035*	TAMU			36.8	38.9	--
14	Baker's Ann	OSU			36.6	29.5	55.6
15	TAM 205	Adaptive Genetics			35.9	35.8	54.4
16	CP7050AX	Croplan			34.3	32.6	56.2
17	TX14V70214*	TAMU			32.9	22.1	53.5
18	OK 168512	OSU			30.7	26.2	55.3
19	TX14M7061*	TAMU			30.0	22.9	56.1
20	TAM 115	Watley Seed			28.9	22.9	56.3
21	AP Roadrunner	Syngenta				35.9	55.9
22	OK Corral**	OSU				34.3	53.6
23	TAM 304	Scott Seed				27.3	57.1
24	TX15M8024*	TAMU				25.1	54.4
25	Guardian	CSU				24.2	--
26	Crescent AX	CSU				23.3	55.3
27	Canvas	CSU				22.8	--
28	TX16M9216*	TAMU				21.4	--
29	Kivari AX (CO14A055-258)	CSU				12.9	--
LSD (0.05)			3.7	4.4	5.8	9.2	1.5
CV (%)			12.4	10.8	15.0	20.0	1.2
Mean			35.9	42.9	33.4	28.1	56.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2018, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, Groom, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	TAM 113	Adaptive Genetics	59.4	56.1	63.9	78.3	57.2
2	TAM 204**	Watley Seed	57.9	53.7	62.9	83.6	55.7
3	Winterhawk	WestBred	56.2	54.3	61.4	78.9	57.8
4	TAM 112	Watley Seed	53.8	49.4	57.7	73.9	57.3
5	TAM 114	Adaptive Genetics	53.6	49.8	55.6	70.6	58.7
6	TAM W-101	TAMU	45.8	43.2	47.0	59.9	56.4
7	WB4792	WestBred		59.8	66.3	85.6	59.2
8	Showdown	OSU		52.6	58.5	79.3	56.9
9	Lonerider	OSU		52.1	59.9	76.4	57.3
10	TX14M7061*	TAMU			69.0	87.6	56.9
11	CP7017AX	Croplan			67.0	82.7	57.1
12	TAM 205	Adaptive Genetics			63.7	84.7	58.0
13	TAM 115	Watley Seed			63.4	86.3	58.6
14	TX14A001035*	TAMU			63.0	80.2	58.3
15	TX14V70214*	TAMU			62.1	78.6	56.5
16	WB4595	WestBred			61.2	73.6	58.3
17	Baker's Ann	OSU			60.0	72.9	58.5
18	OK 168512	OSU			58.8	77.0	57.1
19	CP7050AX	Croplan			54.0	60.9	58.0
20	TX14A001249*	TAMU			53.9	67.3	56.2
21	AP Roadrunner	Syngenta				85.0	56.7
22	Canvas	CSU				83.7	58.3
23	Crescent AX	CSU				82.8	57.3
24	TAM 304	Scott Seed				80.7	55.8
25	Kivari AX (CO14A055-258)	CSU				80.4	56.5
26	Guardian	CSU				78.2	58.9
27	OK Corral**	OSU				76.4	55.7
28	TX16M9216*	TAMU				71.2	56.7
29	TX15M8024*	TAMU				71.1	55.1
LSD (0.05)			3.9	4.5	5.3	10.2	0.8
CV (%)			8.5	8.8	7.5	8.0	0.8
Mean			54.5	52.3	60.5	77.5	57.3

*Experimental breeding line.

**Awnless variety.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

‡4-year average based on 2017, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, Perryton, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	TAM 114	Adaptive Genetics	42.6	39.9	36.1	30.8	57.9
2	Winterhawk	WestBred	37.8	36.8	38.6	35.0	57.5
3	TAM 113	Adaptive Genetics	37.7	34.5	38.8	31.0	56.4
4	TAM 204**	Watley Seed	34.0	32.8	31.5	33.5	55.9
5	TAM 112	Watley Seed	33.3	32.4	33.6	35.8	56.7
6	TAM W-101	TAMU	30.6	30.1	33.5	30.5	56.8
7	WB4792	WestBred		35.7	36.5	29.2	59.0
8	Showdown	OSU		33.3	36.4	36.0	56.2
9	Lonerider	OSU		29.8	32.2	34.5	57.7
10	CP7017AX	Croplan			42.1	35.7	56.8
11	TX14M7061*	TAMU			39.0	36.4	55.8
12	TX14A001035*	TAMU			37.6	35.2	57.9
13	OK 168512	OSU			36.4	36.6	56.9
14	TX14A001249*	TAMU			36.0	36.6	55.8
15	TAM 115	Watley Seed			34.1	36.5	59.4
16	WB4595	WestBred			33.6	29.9	58.9
17	Baker's Ann	OSU			33.0	33.7	56.9
18	TX14V70214*	TAMU			30.1	29.7	55.4
19	TAM 205	Adaptive Genetics			30.0	33.0	57.5
20	CP7050AX	Croplan			25.4	25.2	57.9
21	Crescent AX	CSU				43.0	56.6
22	TX15M8024*	TAMU				39.6	57.0
23	Kivari AX (CO14A055-258)	CSU				39.4	56.4
24	OK Corral**	OSU				36.8	56.1
25	Guardian	CSU				36.5	58.4
26	Canvas	CSU				36.2	58.3
27	AP Roadrunner	Syngenta				33.7	56.8
28	TAM 304	Scott Seed				33.0	55.4
29	TX16M9216*	TAMU				28.6	57.4
LSD (0.05)			3.6	5.1	6.2	7.3	--
CV (%)			12.2	15.9	15.2	12.8	--
Mean			36.0	33.9	34.7	34.2	57.1

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2017, 2019, 2020 and 2021 data.

Texas Locations Agronomic Data

Rolling Plains: 2021

Location ¹	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/ac)	Seeding Rate	Pesticide applied (date)
Abilene	David Chapman	ABANDONED Drought	11/3/2020	--	650K Seed/ac	--
Brady	David Holubec	Lack of moisture Not planted	--	--	650K Seed/ac	--
Chillicothe	Chillicothe Research Station	None	11/11/2020	70	650K Seed/ac	None
Munday	Mike Urbanzck	None	9/29/2020	90	650K Seed/ac	Axial Bold, Salvo, Liberate 3/2021
San Angelo	Cory Book	DATA NOT SHOWN Herbicide drift injury.	12/7/2020	64	650K Seed/ac	Ally, MCPA, Propiconazole 2/1/2021

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

2021 Uniform Wheat Variety Trial: HRWW, Rolling Plains Regional Summary

Rank [†]	Variety	Source	Yield (bu/ac)			Test Wt (lb/bu)
			AVG	Chillicothe	Munday	2021
1	TAM 205	Adaptive Genetics	58.3	57.9	58.7	59.8
2	WB4792	WestBred	57.0	59.0	55.0	60.4
3	TX14M7061*	TAMU	54.3	65.6	43.0	58.0
4	TAM 115	Watley Seed	53.5	61.1	46.0	60.7
5	TX14A001249*	TAMU	53.3	57.3	49.3	58.0
6	WB4595	WestBred	52.3	56.0	48.7	60.6
7	AP Roadrunner	Syngenta	52.0	55.9	48.0	57.0
8	TAM 114	Adaptive Genetics	51.9	55.1	48.7	58.1
9	SY Rugged	Syngenta	51.7	53.6	48.0	57.6
10	AP EverRock	Syngenta	51.4	56.2	46.7	58.0
11	TX16M9216*	TAMU	51.1	51.2	51.0	57.6
12	Bob Dole	Syngenta	50.9	58.8	43.0	57.1
13	Smith's Gold	OSU	50.8	52.5	37.7	59.5
14	TX14A001035*	TAMU	50.7	58.8	42.7	60.3
15	TX15M8024*	TAMU	49.9	54.3	45.5	57.1
16	WB4401	WestBred	49.6	57.5	41.7	57.8
17	Gallagher	OSU	49.0	50.6	47.3	57.3
18	TAM 304	Scott Seed	48.0	53.0	43.0	55.7
19	Green Hammer	OSU	46.6	50.4	42.7	57.2
20	TX14V70214*	TAMU	46.3	54.6	38.0	56.7
21	OK16D101089	OSU	45.5	46.3	44.7	56.0
22	Skydance	OSU	45.1	58.8	44.7	58.7
23	TAM W-101	TAMU	42.9	45.8	40.0	55.7
24	TAM 204**	Watley Seed	41.0	51.9	30.0	55.5
LSD (0.05)			5.4	4.6	10.1	5.4
CV (%)			9.4	5.0	13.0	9.4
Mean			50.1	55.1	45.2	57.9

*Experimental breeding line.

**Awnless variety.

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

2021 Uniform Wheat Variety Trial: HRWW, Chillicothe, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	TAM 115	Watley Seed	48.2	51.0	52.2	61.1	60.2
2	TAM 114	Adaptive Genetics	47.2	49.6	50.0	55.1	57.4
3	SY Rugged	Syngenta	44.7	50.7	52.6	53.6	58.6
4	TAM 304	Scott Seed	43.0	47.3	47.3	53.0	55.0
5	Gallagher	OSU	41.9	46.4	45.1	50.6	56.0
6	TAM W-101	TAMU	32.2	36.3	36.8	45.8	54.5
7	WB4792	WestBred		54.9	52.6	59.0	60.6
8	Bob Dole	Syngenta		53.2	51.2	58.8	56.4
9	Green Hammer	OSU		50.0	47.5	50.4	55.8
10	TAM 205	Adaptive Genetics		47.5	44.6	57.9	59.1
11	TX14M7061*	TAMU			55.4	65.6	57.1
12	TX14A001249*	TAMU			52.0	57.3	57.2
13	TX14A001035*	TAMU			50.9	58.8	58.7
14	WB4595	WestBred			50.5	56.0	60.3
15	TX14V70214*	TAMU			47.4	54.6	55.5
16	TX15M8024*	TAMU			44.5	54.3	55.9
17	Skydance	OSU				58.8	57.2
18	WB4401	WestBred				57.5	57.1
19	AP EverRock	Syngenta				56.2	57.1
20	AP Roadrunner	Syngenta				55.9	55.8
21	Smith's Gold	OSU				52.5	58.2
22	TAM 204**	Watley Seed				51.9	54.7
23	TX16M9216*	TAMU				51.2	56.9
24	OK16D101089	OSU				46.3	55.1
LSD (0.05)			2.6	3.2	3.6	4.6	0.6
CV (%)			6.9	6.8	6.0	5.0	1.0
Mean			42.9	48.7	48.8	55.1	57.1

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2017, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, Munday, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	TAM 205	Adaptive Genetics	48.2	53.3	49.4	58.7	60.5
2	SY Rugged	Syngenta	43.9	48.0	46.3	48.0	60.4
3	TAM 114	Adaptive Genetics	43.0	48.5	44.6	48.7	58.9
4	Gallagher	OSU	42.7	48.1	47.0	47.3	58.6
5	TAM 304	Scott Seed	42.0	44.8	42.1	43.0	56.4
6	TAM 115	Watley Seed	40.8	43.7	40.6	46.0	61.1
7	TAM W-101	TAMU	35.5	39.7	38.1	40.0	56.9
8	WB4792	WestBred		55.1	52.5	55.0	60.2
9	Green Hammer	OSU		49.5	43.1	42.7	58.7
10	Bob Dole	Syngenta		49.3	41.0	43.0	57.8
11	WB4595	WestBred			47.7	48.7	61.0
12	TX14A001249*	TAMU			43.0	49.3	58.7
13	TX15M8024*	TAMU			43.0	45.5	58.3
14	TX14M7061*	TAMU			40.4	43.0	58.9
15	TX14A001035*	TAMU			37.6	42.7	61.8
16	TX14V70214*	TAMU			36.6	38.0	57.9
17	TX16M9216*	TAMU				51.0	58.2
18	AP Roadrunner	Syngenta				48.0	58.3
19	AP EverRock	Syngenta				46.7	58.8
20	OK16D101089	OSU				44.7	56.9
21	Skydance	OSU				44.7	57.9
22	WB4401	WestBred				41.7	58.4
23	Smith's Gold	OSU				37.7	59.2
24	TAM 204**	Watley Seed				30.0	56.3
LSD (0.05)			5.5	6.6	8.7	10.1	1.6
CV (%)			16.0	14.6	17.0	13.0	2.0
Mean			42.3	48.0	43.3	45.2	58.8

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2018, 2019, 2020 and 2021 data.

Texas Locations Agronomic Data

Blacklands: 2021

Location	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/ac)	Seeding Rate	Pesticide applied (date)
Ennis	Bob and Steve Beakley	Freeze damage (early February)	10/14/2020	120	68 lbs/ac (SRWW) 750K Seed/ac (HRWW)	None
Hillsboro	P&M Farms	Stripe rust Wet late in the season	11/10/2020	110	68 lbs/ac (SRWW) 750K Seed/ac (HRWW)	None
McGregor	Texas A&M Agrilife Research Farm	Stripe rust Wet late in the season	11/5/2020	130	68 lbs/ac (SRWW) 750K Seed/ac (HRWW)	Ally/Amber (2/9/2021)
Muenster	Paul Fuhrman	ABANDONED Freeze damage (early February)	11/9/2020	100	--	None
Greenville	Texas A&M University - Commerce	Wet late in the season	11/6/2020	110	68 lbs/ac (SRWW) 750K Seed/ac (HRWW)	Amber/ Metribuzin (2/25/2021)
Thrall	Stiles Foundation Research Farm	None	11/19/2020	42	68 lbs/ac (SRWW) 750K Seed/ac (HRWW)	Ally/Amber (2/9/2021)

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

*Seed numbers were not available for soft wheat lines.

2021 Uniform Wheat Variety Trial: HRWW, Blacklands Regional Summary

Rank [†]	Variety	Source	Yield (bu/ac)						Test Wt (lb/bu)
			AVG	Ennis	Greenville	Hillsboro	McGregor	Thrall	2021.0
1	AP Roadrunner	Syngenta	51.2	66.4	51.0	36.1	30.4	71.9	53.8
2	TX14A001035*	TAMU	50.8	66.2	46.7	45.3	27.4	68.2	55.8
3	OK16D101089*	OSU	50.6	67.9	47.7	45.7	27.0	64.6	54.8
4	Bob Dole	Syngenta	50.0	57.8	50.0	49.5	28.3	64.2	53.7
5	TX16M9216*	TAMU	49.8	61.2	52.9	41.9	29.1	63.7	54.1
6	TAM 114	Adaptive Genetics	48.1	65.9	44.7	32.0	27.2	70.8	54.8
7	TAM 205	Adaptive Genetics	47.7	56.9	47.9	40.9	26.3	66.5	54.9
8	TAM 304	Scott Seed	46.7	73.1	38.0	29.0	27.6	65.9	50.2
9	OCW04S717T-6W*	OSU	46.2	50.4	52.2	42.2	26.0	60.0	52.6
10	TX14V70214*	TAMU	46.0	73.2	39.9	30.3	26.1	60.3	52.3
11	CP7050AX	Croplan	45.8	58.8	57.7	33.7	24.5	54.2	54.8
12	AP EverRock	Syngenta	44.8	68.9	31.6	34.6	28.0	60.7	51.8
13	WB4418	WestBred	43.7	56.6	30.2	40.7	24.2	66.8	52.5
14	TX15M8024*	TAMU	43.5	50.6	42.4	37.9	26.8	60.0	52.1
15	TX14M7061*	TAMU	42.0	48.2	43.8	37.9	26.0	53.9	50.6
16	WB4699	WestBred	41.7	63.4	36.9	25.6	22.2	60.2	50.1
17	WB4401	WestBred	41.3	43.1	44.4	32.1	25.6	61.1	50.4
18	TX14A001249*	TAMU	40.6	50.1	33.6	35.5	24.0	59.6	51.8
19	WB4303	WestBred	38.5	47.5	35.0	28.9	22.8	58.3	49.4
20	CP7017AX	Croplan	37.9	59.0	34.0	18.8	24.5	53.2	49.2
21	TAM W-101	TAMU	34.3	45.7	17.4	21.8	22.3	64.4	49.4
LSD (0.05)			4.2	12.1	14.3	6.5	2.7	7.2	1.7
CV (%)			12.9	12.5	20.8	11.2	62	7.0	4.0
Mean			44.8	58.6	41.8	35.3	26.0	62.3	52.3

*Experimental breeding line.

[†]Varieties ranked according to 5-location yield average.

2021 Uniform Wheat Variety Trial: HRWW, Ennis, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	TAM 304	Scott Seed	58.8	60.2	67.6	73.1	54.6
2	WB4303	WestBred	50.6	54.0	54.7	47.5	50.0
3	TAM W-101	TAMU	44.3	47.0	55.0	45.7	54.0
4	WB4699	WestBred		63.7	66.9	63.4	52.6
5	Bob Dole	Syngenta		61.7	58.9	57.8	55.7
6	TAM 205	Adaptive Genetics		59.7	63.3	56.9	54.6
7	WB4418	WestBred		58.7	61.0	56.6	51.2
8	TX14A001035*	TAMU			69.2	66.2	56.6
9	TX14V70214*	TAMU			68.4	73.2	55.0
10	CP7017AX	Croplan			63.7	59.0	53.2
11	TX15M8024*	TAMU			60.6	50.6	51.9
12	CP7050AX	Croplan			59.2	58.8	55.1
13	TX14M7061*	TAMU			54.9	48.2	51.2
14	AP EverRock	Syngenta				68.9	56.2
15	OK16D101089*	OSU				67.9	56.3
16	AP Roadrunner	Syngenta				66.4	54.6
17	TAM 114	Adaptive Genetics				65.9	56.7
18	TX16M9216*	TAMU				61.2	55.0
19	OCW04S717T-6W*	OSU				50.4	53.1
20	TX14A001249*	TAMU				50.1	53.9
21	WB4401	WestBred				43.1	50.1
LSD (0.05)			8.1	5.9	5.6	12.1	2.8
CV (%)			11.2	9.7	11.8	12.5	3.0
Mean			51.2	57.9	61.8	58.6	53.9

*Experimental breeding line.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2017, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, Greenville, TX

Rank	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year	3-Year	2-Year	2021	2021
1	TAM 114	Adaptive Genetics	48.4	58.5	64.4	44.7	54.1
2	TAM 304	Scott Seed	46.2	55.5	59.3	38.0	43.8
3	TAM W-101	TAMU	34.6	42.1	43.8	17.4	44.1
4	WB4303	WestBred		54.4	56.7	35.0	47.2
5	TAM 205	Adaptive Genetics			64.7	47.9	53.8
6	WB4418	WestBred			55.0	30.2	49.7
7	CP7050AX	Croplan				57.7	54.9
8	TX16M9216*	TAMU				52.9	54.5
9	OCW04S717T-6W	OSU				52.2	54.1
10	AP Roadrunner	Syngenta				51.0	53.2
11	Bob Dole	Syngenta				50.0	51.8
12	OK16D101089	OSU				47.7	51.1
13	TX14A001035*	TAMU				46.7	53.7
14	WB4401	WestBred				44.4	49.0
15	TX14M7061*	TAMU				43.8	49.7
16	TX15M8024*	TAMU				42.4	51.1
17	TX14V70214*	TAMU				39.9	50.2
18	WB4699	WestBred				36.9	46.9
19	CP7017AX	Croplan				34.0	44.7
20	TX14A001249*	TAMU				33.6	47.5
21	AP EverRock	Syngenta				31.6	43.2
	LSD (0.05)		3.7	5.8	6.0	14.3	5.0
	CV (%)		10.4	11.9	8.7	20.8	6.1
	Mean		43.1	52.6	57.3	41.8	49.9

*Experimental breeding line.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

‡4-year average based on 2015, 2017, 2018 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, Hillsboro, TX

Rank	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year	3-Year	2-Year	2021	2021
1	WB4303	WestBred	62.8	52.7	43.2	28.9	48.2
2	WB4418	WestBred	60.0	51.1	47.6	40.7	55.6
3	TAM 304	Scott Seed	59.9	51.0	43.0	29.0	49.9
4	TAM 205	Adaptive Genetics	59.2	50.9	45.8	40.9	57.3
5	TAM W-101	TAMU	41.4	35.8	34.1	21.8	47.7
6	Bob Dole	Syngenta		58.2	54.1	49.5	56.7
7	WB4699	WestBred		53.3	42.4	25.6	49.6
8	TX14A001035*	TAMU			54.4	45.3	57.7
9	TX15M8024*	TAMU			49.2	37.9	54.0
10	TX14V70214*	TAMU			47.6	30.3	51.8
11	TX14M7061*	TAMU			47.3	37.9	52.1
12	CP7050AX	Croplan			42.6	33.7	55.8
13	CP7017AX	Croplan			40.5	18.8	47.7
14	OK16D101089	OSU				45.8	57.8
15	OCW04S717T-6W	OSU				42.2	55.3
16	TX16M9216*	TAMU				41.9	54.8
17	AP Roadrunner	Syngenta				36.1	54.3
18	TX14A001249*	TAMU				35.5	54.1
19	AP EverRock	Syngenta				34.6	55.4
20	WB4401	WestBred				32.1	53.4
21	TAM 114	Adaptive Genetics				32.0	54.0
LSD (0.05)			3.9	4.3	4.9	6.5	5.0
CV (%)			8.2	8.9	9.2	11.2	6.1
Mean			56.7	50.4	45.5	35.3	49.9

*Experimental breeding line.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

‡4-year average based on 2018, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, McGregor, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	WB4418	WestBred	50.3	40.8	41.1	24.2	--
2	TAM 205	Adaptive Genetics	49.4	43.8	42.1	26.3	--
3	WB4303	WestBred	48.1	38.1	41.0	22.8	--
4	TAM 304	Scott Seed	46.1	39.1	41.0	27.6	--
5	TAM W-101	TAMU	37.6	33.6	40.6	22.3	--
6	Bob Dole	Syngenta		48.4	46.1	28.3	--
7	WB4699	WestBred		48.0	43.2	22.2	--
8	CP7017AX	Croplan			46.1	24.5	--
9	TX14A001035*	TAMU			46.0	27.4	--
10	CP7050AX	Croplan			43.9	24.5	--
11	TX14M7061*	TAMU			43.8	26.0	--
12	TX14V70214*	TAMU			42.4	26.1	--
13	TX15M8024*	TAMU			41.0	26.8	--
14	AP Roadrunner	Syngenta				30.4	--
15	TX16M9216*	TAMU				29.1	--
16	AP EverRock	Syngenta				28.0	--
17	TAM 114	Adaptive Genetics				27.2	--
18	OK16D101089*	OSU				27.0	--
19	OCW04S717T-6W*	OSU				26.0	--
20	WB4401	WestBred				25.6	--
21	TX14A001249*	TAMU				24.0	--
LSD (0.05)			3.7	4.3	NS	2.7	--
CV (%)			9.5	10.7	12.3	6.2	--
Mean			46.3	41.7	42.9	26.0	--

*Experimental breeding line.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2018, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: HRWW, McGregor, TX

Rank [†]	Variety	Source	Yield (bu/ac)			
			AVG	Fungicide	No fungicide	Difference
1	TX16M9216*	TAMU	28.8	28.6	29.1	-0.4
2	AP Roadrunner	Syngenta	28.7	26.9	30.4	-3.5
3	TX14A001035*	TAMU	27.6	27.8	27.4	0.4
4	Bob Dole	Syngenta	26.9	25.5	28.3	-2.8
5	AP EverRock	Syngenta	26.8	25.7	28.0	-2.3
6	OK16D101089*	OSU	26.6	26.3	27.0	-0.7
7	TX15M8024*	TAMU	26.3	25.7	26.8	-1.1
8	TAM 304	Scott Seed	26.1	24.5	27.6	-3.1
9	TAM 205	Adaptive Genetics	25.9	25.5	26.3	-0.8
10	TAM 114	Adaptive Genetics	25.9	24.5	27.2	-2.7
11	OCW04S717T-6W*	OSU	25.7	25.4	26.0	-0.6
12	TX14V70214*	TAMU	25.1	24.1	26.1	-2.0
13	TX14M7061*	TAMU	25.0	24.0	26.0	-2.0
14	WB4418	WestBred	24.5	24.8	24.2	0.6
15	TX14A001249*	TAMU	24.4	24.8	24.0	0.8
16	WB4401	WestBred	24.0	22.5	25.6	-3.1
17	CP7050AX	Croplan	22.5	20.6	24.5	-3.9
18	WB4303	WestBred	21.4	20.0	22.8	-2.8
19	TAM W-101	TAMU	21.3	20.4	22.3	-1.9
20	CP7017AX	Croplan	21.2	18.0	24.5	-6.5
21	WB4699	WestBred	20.9	19.6	22.2	-2.6
LSD (0.05)			2.2	3.5	2.7	--
CV (%)			7.5	8.8	6.2	--
Mean			25.0	24.0	26.0	-2.0

*Experimental breeding line.

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

2021 Uniform Wheat Variety Trial: HRWW, Thrall, TX

Rank [†]	Variety	Source	Yield (bu/ac)			Test Wt (lb/bu)
			3-Year [‡]	2-Year	2021	2021
1	TAM 304	Scott Seed	65.8	74.4	65.9	52.5
2	TAM 114	Adaptive Genetics	60.1	73.0	70.8	54.2
3	WB4418	WestBred		75.1	66.8	53.7
4	WB4303	WestBred		61.5	58.3	52.1
5	TAM 205	Adaptive Genetics		56.0	66.5	53.7
6	TAM W-101	TAMU		49.8	64.4	51.7
7	AP Roadrunner	Syngenta			71.9	53.1
8	TX14A001035*	TAMU			68.2	55.2
9	OK16D101089*	OSU			64.6	54.0
10	Bob Dole	Syngenta			64.2	50.4
11	TX16M9216*	TAMU			63.7	52.1
12	WB4401	WestBred			61.1	49.2
13	AP EverRock	Syngenta			60.7	52.6
14	TX14V70214*	TAMU			60.3	52.0
15	WB4699	WestBred			60.2	51.2
16	OCW04S717T-6W*	OSU			60.0	47.9
17	TX15M8024*	TAMU			60.0	51.5
18	TX14A001249*	TAMU			59.6	51.8
19	CP7050AX	Croplan			54.2	53.6
20	TX14M7061*	TAMU			53.9	49.4
21	CP7017AX	Croplan			53.2	51.1
	LSD (0.05)		NS	7.6	7.2	1.7
	CV (%)		11.4	8.9	7.0	1.9
	Mean		63.0	65.0	62.3	52.0

*Experimental breeding line.

[†]Varieties ranked according to 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2015, 2018, and 2021 data.

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2021 Uniform Wheat Variety Trial: SRWW, Blacklands Regional Summary

Rank	Variety	Source	Yield (bu/ac)						Test Wt (lb/bu)
			AVG	Ennis	Greenville	Hillsboro	McGregor	Thrall	2021
1	TX17D2337*	SunGrains- Texas A&M AgriLife Res.	65.6	73.1	72.1	55.2	74.4	53.4	55.8
2	USG 3895	Uni-South Genetics	63.7	84.3	65.9	60.0	57.1	51.0	53.5
3	Progeny PGX 18 7	Prongeny	62.3	88.1	66.3	48.0	55.1	53.9	55.9
4	USG 3472	Uni-South Genetics	62.1	87.4	60.2	54.7	56.4	51.8	53.8
5	Dyna-Gro 9811	Dyna-Gro	62.0	76.1	66.0	53.1	62.7	52.1	53.9
6	Blackland EXP 2032	Blackland Seeds	61.1	89.4	59.2	46.6	58.2	52.4	53.8
7	USG 3562	Uni-South Genetics	60.5	80.9	66.2	47.2	56.0	52.2	55.0
8	Dyna-Gro 9120	Dyna-Gro	60.4	84.8	57.1	43.6	63.0	53.5	55.8
9	Go Wheat 6000	Stratton Seed	60.3	67.5	69.5	59.1	52.8	52.6	55.5
10	Blackland 1828	Blackland Seeds	59.6	71.7	63.6	52.2	59.9	50.8	52.9
11	AgriMAXX 514	AgriMAXX	59.6	78.3	62.9	49.4	56.4	50.8	53.0
12	Progeny PGX 20 15	Prongeny	59.2	61.5	61.4	62.1	58.1	52.9	55.7
13	AR09137UC-17-2	SunGrains-University of Arkansas	59.0	66.4	63.9	57.3	56.1	51.3	54.7
14	AgriMAXX 473	AgriMAXX	58.8	77.2	58.6	50.5	56.8	50.9	53.9
15	Progeny PGX 19 12	Prongeny	58.5	72.0	65.7	50.8	52.6	51.3	53.4
16	AGS 2055	Stratton Seed	57.9	72.9	64.0	53.5	47.2	51.8	54.0
17	AgriMAXX 492	AgriMAXX	57.6	68.8	63.5	52.0	50.5	53.4	55.7
18	AR15V31-26-2285N	SunGrains-University of Arkansas	57.1	80.6	49.6	48.4	52.5	54.1	55.7
19	LANC 11558-33	SunGrains- LSU	57.0	68.0	60.8	53.7	51.0	51.7	55.3
20	TX16DDH579*	SunGrains- Texas A&M AgriLife Res.	57.0	63.5	56.9	50.3	59.6	54.5	57.9
21	Dyna-Gro 9002	Dyna-Gro	56.5	75.1	58.6	46.8	50.6	51.2	53.2
22	USG 3329	Uni-South Genetics	56.3	70.4	61.9	44.4	54.5	50.2	51.7
23	Progeny PGX 19 17**	Prongeny	56.1	63.9	60.5	48.5	58.5	49.2	52.1
24	AGS 2021	Stratton Seed	55.8	59.8	58.9	50.2	55.1	55.2	56.4
25	WB 2606	WestBred	55.7	61.6	59.0	43.4	60.7	53.8	54.7
26	LA12275LDH56	SunGrains- LSU	55.3	57.9	67.4	57.2	41.8	52.2	56.2
27	LA15203LDH112	SunGrains- LSU	55.0	63.4	69.8	49.1	42.7	50.2	54.5
28	AGS 2038	Stratton Seed	54.6	49.6	63.1	50.8	55.5	53.8	56.3
29	LA12080LDH72**	SunGrains- LSU	54.6	51.0	67.6	51.3	50.2	52.8	54.4
30	LA15166LDH272**	SunGrains- LSU	53.9	62.6	59.2	46.3	48.2	53.4	54.8
31	GA12505B14-18LE23F	SunGrains-University of Georgia	53.7	70.6	53.9	42.0	46.8	55.1	56.3
32	TX17D2452*	SunGrains- Texas A&M AgriLife Res.	53.7	60.1	63.2	45.2	48.4	51.5	54.2
33	GA15VDH-FHB-MAS23-18LE43F	SunGrains-University of Georgia	53.5	80.0	40.9	36.7	55.8	54.2	54.4
34	Go Wheat 2032	Stratton Seed	53.3	66.5	53.6	43.1	49.5	53.9	55.6
35	AR11051-15-3	SunGrains-University of Arkansas	53.2	61.0	64.2	44.2	43.2	53.2	55.7
36	Blackland 1812	Blackland Seeds	52.8	55.1	60.9	49.0	47.6	51.6	53.5
37	LA13154D-WN1	SunGrains- LSU	51.3	52.9	57.7	50.9	43.4	51.7	53.5
38	Dyna-Gro Blanton	Dyna-Gro	51.3	58.2	55.9	41.0	48.5	52.7	55.1
39	AgriMAXX 481	AgriMAXX	50.8	66.3	47.3	40.0	46.2	54.3	55.7
40	Progeny PGX 19 10	Prongeny	50.4	64.7	57.8	40.0	40.7	49.1	51.0
41	FLA11004-7	SunGrains- University of Florida	50.4	65.9	42.1	42.4	49.8	52.0	53.1
42	LA15203LDH274	SunGrains- LSU	49.6	39.8	66.8	50.8	38.0	52.7	54.4
43	Go Wheat LA754	Stratton Seed	49.3	53.9	58.5	48.9	38.1	47.3	51.9
44	Dyna-Gro Plantation	Dyna-Gro	49.3	58.6	51.8	37.5	44.7	53.8	55.5
45	GA10127-18E26	SunGrains-University of Georgia	48.6	60.1	41.5	39.8	47.5	54.0	54.2
46	USG 3640	Uni-South Genetics	47.6	45.7	49.5	43.3	46.2	53.4	55.0
47	AGS 3040**	Stratton Seed	46.8	66.8	34.8	35.1	45.7	51.9	53.5
48	Dyna-Gro Riverland	Dyna-Gro	46.8	46.2	46.3	47.5	40.3	53.6	54.6
49	GA131246LDH-18E35	SunGrains-University of Georgia	45.9	54.5	42.1	36.1	43.4	53.6	53.0
50	AGS 2024	Stratton Seed	45.4	44.6	44.6	44.0	39.4	54.4	53.7
51	XD2507	WestBred	45.2	69.9	40.0	24.4	41.5	50.3	51.7
52	Dyna-Gro Rutledge	Dyna-Gro	45.1	45.2	54.9	39.2	33.1	53.2	54.3
53	GA15VDH-FHB-MAS30-18Esc43F	SunGrains-University of Georgia	44.7	58.8	30.5	38.7	44.1	51.2	51.2
54	FL14167LDH-158	SunGrains- University of Florida	39.0	49.3	33.2	32.5	28.0	51.9	52.0
55	FLA10033C-6	SunGrains- University of Florida	38.7	48.4	33.2	35.3	23.4	53.1	51.5
LSD (0.05)			4.7	13.6	10.5	5.4	15.6	1.5	0.9
CV (%)			12.2	12.9	11.4	7.1	19.4	1.7	2.0
Mean			54.0	64.9	56.4	46.6	49.6	52.4	54.2

*Experimental breeding line.

**Awnless variety.

†Varieties ranked according to 5-location yield average.

2021 Uniform Wheat Variety Trial: SRWW, Ennis, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	USG 3895	Uni-South Genetics	71.6	72.5	80.5	84.3	52.9
2	AGS 2055	Stratton Seed	65.0	60.3	69.0	72.9	53.9
3	AGS 2038	Stratton Seed	62.3	55.4	59.0	49.6	55.0
4	AGS 2024	Stratton Seed	56.7	53.0	52.0	44.6	51.9
5	AgriMAXX 481	AgriMAXX		67.5	66.1	66.3	56.2
6	Dyna-Gro 9811	Dyna-Gro		60.8	70.1	76.1	52.7
7	Blackland 1812	Blackland Seeds		53.8	59.9	55.1	52.3
8	USG 3329	Uni-South Genetics			71.5	70.4	51.8
9	Dyna-Gro 9002	Dyna-Gro			71.4	75.1	53.5
10	WB 2606	WestBred			69.4	61.6	52.6
11	Go Wheat 2032	Stratton Seed			67.1	66.5	53.5
12	TX16DDH579*	SunGrains- TAMU			66.9	63.5	57.3
13	AgriMAXX 492	AgriMAXX			66.3	68.8	54.5
14	Go Wheat 6000	Stratton Seed			65.2	67.5	54.5
15	Dyna-Gro Plantation	Dyna-Gro			63.2	58.6	55.6
16	AGS 3040**	Stratton Seed			59.2	66.8	54.0
17	LA15203LDH112	SunGrains-Louisiana State Univ.			58.6	63.4	53.7
18	USG 3640	Uni-South Genetics			57.8	45.7	56.3
19	Dyna-Gro Riverland	Dyna-Gro			56.0	46.2	54.3
20	Go Wheat LA754	Stratton Seed			54.7	53.9	50.9
21	LA15166LDH272**	SunGrains-Louisiana State Univ.			53.6	62.6	55.2
22	LA15203LDH274	SunGrains-Louisiana State Univ.			40.4	39.8	52.0
23	Blackland EXP 2032	Blackland Seeds				89.4	53.6
24	Progeny PGX 18-7	Prongeny				88.1	55.6
25	USG 3472	Uni-South Genetics				87.4	52.9
26	Dyna-Gro 9120	Dyna-Gro				84.8	56.2
27	USG 3562	Uni-South Genetics				80.9	54.0
28	AR15V31-26-2285N	SunGrains-Univ. of Arkansas				80.6	56.6
29	GA15VDH-FHB-MAS23-18LE43F	SunGrains-Univ. of Georgia				80.0	55.2
30	AgriMAXX 514	AgriMAXX				78.3	52.7
31	AgriMAXX 473	AgriMAXX				77.2	52.8
32	TX17D2337*	SunGrains- TAMU				73.1	55.0
33	Progeny PGX 19-12	Prongeny				72.0	52.8
34	Blackland 1828	Blackland Seeds				71.7	52.9
35	GA12505B14-18LE23F	SunGrains-Univ. of Georgia				70.6	56.2
36	XD2507	WestBred				69.9	53.1
37	LANC 11558-33	SunGrains-Louisiana State Univ.				68.0	54.2
38	AR09137UC-17-2	SunGrains-Univ. of Arkansas				66.4	53.8
39	FLLA11004-7	SunGrains-Univ. of Florida				65.9	52.3
40	Progeny PGX 19-10	Prongeny				64.7	49.1
41	Progeny PGX 19-17**	Prongeny				63.9	51.6
42	Progeny PGX 20-15	Prongeny				61.5	55.3
43	AR11051-15-3	SunGrains-Univ. of Arkansas				61.0	54.2
44	GA10127-18E26	SunGrains-Univ. of Georgia				60.1	54.4
45	TX17D2452*	SunGrains- TAMU				60.1	53.0
46	AGS 2021	Stratton Seed				59.8	55.1
47	GA15VDH-FHB-MAS30-18Esc43F	SunGrains-Univ. of Georgia				58.8	52.0
48	Dyna-Gro Blanton	Dyna-Gro				58.2	55.2
49	LA12275LDH56	SunGrains-Louisiana State Univ.				57.9	53.8
50	GA131246LDH-18E35	SunGrains-Univ. of Georgia				54.5	54.4
51	LA13154D-WN1	SunGrains-Louisiana State Univ.				52.9	51.9
52	LA12080LDH72**	SunGrains-Louisiana State Univ.				51.0	52.0
53	FL14167LDH-158	SunGrains-Univ. of Florida				49.3	50.5
54	FLLA10033C-6	SunGrains-Univ. of Florida				48.4	50.3
55	Dyna-Gro Rutledge	Dyna-Gro				45.2	52.5
LSD (0.05)			5.4	11.6	10.6	13.6	1.9
CV (%)			9.8	19.8	14.0	12.9	2.2
Mean			63.9	60.5	62.6	64.9	53.6

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2017, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: SRWW, Greenville, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	AGS 2055	Stratton Seed	78.40	72.40	76.00	64.00	53.9
2	AGS 2038	Stratton Seed	75.90	75.10	74.90	63.10	56.9
3	USG 3895	Uni-South Genetics		76.10	82.40	65.90	53.8
4	AGS 2024	Stratton Seed		67.50	68.50	44.60	51.7
5	AGS 3040**	Stratton Seed		61.00	63.40	34.80	52.1
6	Dyna-Gro 9811	Dyna-Gro			80.60	66.00	53.4
7	TX17D2337*	SunGrains- TAMU				72.10	55.6
8	LA15203LDH112	SunGrains-Louisiana State Univ.				69.80	55.2
9	Go Wheat 6000	Stratton Seed				69.50	56.2
10	LA12080LDH72**	SunGrains-Louisiana State Univ.				67.60	55.1
11	LA12275LDH56	SunGrains-Louisiana State Univ.				67.40	57.3
12	LA15203LDH274	SunGrains-Louisiana State Univ.				66.80	54.6
13	Progeny PGX 18-7	Prongeny				66.30	55.7
14	USG 3562	Uni-South Genetics				66.20	55.5
15	Progeny PGX 19-12	Prongeny				65.70	53.6
16	AR11051-15-3	SunGrains-Univ. of Arkansas				64.20	56.3
17	AR09137UC-17-2	SunGrains-Univ. of Arkansas				63.90	54.8
18	Blackland 1828	Blackland Seeds				63.60	52.8
19	AgriMAXX 492	AgriMAXX				63.50	56.4
20	TX17D2452*	SunGrains- TAMU				63.20	55.8
21	AgriMAXX 514	AgriMAXX				62.90	53.5
22	USG 3329	Uni-South Genetics				61.90	52.2
23	Progeny PGX 20-15	Prongeny				61.40	54.3
24	Blackland 1812	Blackland Seeds				60.90	54.0
25	LANC 11558-33	SunGrains-Louisiana State Univ.				60.80	55.6
26	Progeny PGX 19-17**	Prongeny				60.50	52.2
27	USG 3472	Uni-South Genetics				60.20	53.4
28	Blackland EXP 2032	Blackland Seeds				59.20	52.9
29	LA15166LDH272**	SunGrains-Louisiana State Univ.				59.20	54.3
30	WB 2606	WestBred				59.00	55.6
31	AGS 2021	Stratton Seed				58.90	57.4
32	AgriMAXX 473	AgriMAXX				58.60	54.0
33	Dyna-Gro 9002	Dyna-Gro				58.60	54.3
34	Go Wheat LA754	Stratton Seed				58.50	51.3
35	Progeny PGX 19-10	Prongeny				57.80	51.4
36	LA13154D-WN1	SunGrains-Louisiana State Univ.				57.70	53.5
37	Dyna-Gro 9120	Dyna-Gro				57.10	57.4
38	TX16DDH579*	SunGrains- TAMU				56.90	57.7
39	Dyna-Gro Blanton	Dyna-Gro				55.90	54.7
40	Dyna-Gro Rutledge	Dyna-Gro				54.90	55.7
41	GA12505B14-18LE23F	SunGrains-Univ. of Georgia				53.90	56.1
42	Go Wheat 2032	Stratton Seed				53.60	56.0
43	Dyna-Gro Plantation	Dyna-Gro				51.80	54.4
44	AR15V31-26-2285N	SunGrains-Univ. of Arkansas				49.60	52.6
45	USG 3640	Uni-South Genetics				49.50	53.3
46	AgriMAXX 481	AgriMAXX				47.30	53.6
47	Dyna-Gro Riverland	Dyna-Gro				46.30	52.7
48	FLLA11004-7	SunGrains-Univ. of Florida				42.10	52.5
49	GA131246LDH-18E35	SunGrains-Univ. of Georgia				42.10	50.0
50	GA10127-18E26	SunGrains-Univ. of Georgia				41.50	52.6
51	GA15VDH-FHB-MAS23-18LE43F	SunGrains-Univ. of Georgia				40.90	54.4
52	XD2507	WestBred				40.00	51.5
53	FL14167LDH-158	SunGrains-Univ. of Florida				33.20	51.7
54	FLLA10033C-6	SunGrains-Univ. of Florida				33.20	50.1
55	GA15VDH-FHB-MAS30-18Esc43F	SunGrains-Univ. of Georgia				30.50	48.7
LSD (0.05)			NS	5.6	9.3	10.5	1.6
CV (%)			10.5	8.2	10.3	11.4	1.8
Mean			77.2	70.4	74.3	56.4	54.0

*Experimental breeding line.

**Awnless variety.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

‡4-year average based on 2014, 2017, 2018 and 2021 data.

2021 Uniform Wheat Variety Trial: SRWW, Hillsboro, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	USG 3895	Uni-South Genetics	75.4	70.7	65.6	60.0	54.5
2	AGS 2055	Stratton Seed	71.3	65.1	58.9	53.5	54.8
3	AGS 2024	Stratton Seed	68.6	62.5	57.8	44.0	54.7
4	Dyna-Gro 9811	Dyna-Gro	67.9	60.8	56.2	53.1	56.1
5	AGS 2038	Stratton Seed	66.6	61.0	57.7	50.8	57.7
6	AgriMAXX 481	AgriMAXX		61.4	52.7	40.0	56.8
7	Blackland 1812	Blackland Seeds		57.9	51.1	49.0	54.6
8	Go Wheat 6000	Stratton Seed			65.3	59.1	57.0
9	AgriMAXX 492	AgriMAXX			59.0	52.0	56.7
10	Go Wheat 2032	Stratton Seed			58.2	43.1	57.5
11	TX16DDH579*	SunGrains- TAMU			57.5	50.3	60.1
12	Dyna-Gro Blanton	Dyna-Gro			57.5	41.0	55.7
13	Go Wheat LA754	Stratton Seed			55.3	48.9	56.1
14	Dyna-Gro Riverland	Dyna-Gro			55.2	47.5	56.0
15	USG 3640	Uni-South Genetics			55.2	43.3	55.3
16	WB 2606	WestBred			54.0	43.4	55.4
17	Dyna-Gro Plantation	Dyna-Gro			53.8	37.5	56.2
18	LA15203LDH274	SunGrains-Louisiana State Univ.			52.9	50.8	56.2
19	Dyna-Gro 9002	Dyna-Gro			51.6	46.8	51.8
20	LA15203LDH112	SunGrains-Louisiana State Univ.			51.2	49.1	57.1
21	USG 3329	Uni-South Genetics			51.1	44.4	50.6
22	LA15166LDH272**	SunGrains-Louisiana State Univ.			50.6	46.3	54.6
23	AGS 3040**	Stratton Seed			48.7	35.1	54.2
24	Progeny PGX 20-15	Prongeny				62.1	58.1
25	AR09137UC-17-2	SunGrains-Univ. of Arkansas				57.3	57.0
26	LA12275LDH56	SunGrains-Louisiana State Univ.				57.2	59.8
27	TX17D2337*	SunGrains- TAMU				55.2	57.5
28	USG 3472	Uni-South Genetics				54.7	55.2
29	LANC 11558-33	SunGrains-Louisiana State Univ.				53.7	57.9
30	Blackland 1828	Blackland Seeds				52.2	52.7
31	LA12080LDH72**	SunGrains-Louisiana State Univ.				51.3	55.7
32	LA13154D-WN1	SunGrains-Louisiana State Univ.				50.9	54.8
33	Progeny PGX 19-12	Prongeny				50.8	53.9
34	AgriMAXX 473	AgriMAXX				50.5	55.9
35	AGS 2021	Stratton Seed				50.2	56.6
36	AgriMAXX 514	AgriMAXX				49.4	52.8
37	Progeny PGX 19-17**	Prongeny				48.5	53.7
38	AR15V31-26-2285N	SunGrains-Univ. of Arkansas				48.4	58.0
39	Progeny PGX 18-7	Prongeny				48.0	56.6
40	USG 3562	Uni-South Genetics				47.2	55.8
41	Blackland EXP 2032	Blackland Seeds				46.6	54.2
42	TX17D2452*	SunGrains- TAMU				45.2	54.7
43	AR11051-15-3	SunGrains-Univ. of Arkansas				44.2	57.4
44	Dyna-Gro 9120	Dyna-Gro				43.6	54.4
45	FLLA11004-7	SunGrains-Univ. of Florida				42.4	53.4
46	GA12505B14-18LE23F	SunGrains-Univ. of Georgia				42.0	56.2
47	Progeny PGX 19-10	Prongeny				40.0	52.8
48	GA10127-18E26	SunGrains-Univ. of Georgia				39.8	54.0
49	Dyna-Gro Rutledge	Dyna-Gro				39.2	54.3
50	GA15VDH-FHB-MAS30-18Esc43F	SunGrains-Univ. of Georgia				38.7	51.4
51	GA15VDH-FHB-MAS23-18LE43F	SunGrains-Univ. of Georgia				36.7	52.5
52	GA131246LDH-18E35	SunGrains-Univ. of Georgia				36.1	52.2
53	FLLA10033C-6	SunGrains-Univ. of Florida				35.3	51.1
54	FL14167LDH-158	SunGrains-Univ. of Florida				32.5	51.8
55	XD2507	WestBred				24.4	49.9
LSD (0.05)			3.9	4.5	4.8	5.4	2.1
CV (%)			6.7	7.5	7.6	7.1	2.4
Mean			70.0	62.8	55.5	46.6	55.1

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2018, 2019, 2020 and 2021 data.

2021 Uniform Wheat Variety Trial: SRWW, McGregor, TX

Rank [†]	Variety	Source	Yield (bu/ac)				Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	2021	2021
1	USG 3895	Uni-South Genetics	70.4	66.5	61.4	57.1	--
2	Dyna-Gro 9811	Dyna-Gro	69.3	65.9	63.6	62.7	--
3	AGS 2055	Stratton Seed	66.9	63.2	58.0	47.2	--
4	AGS 2038	Stratton Seed	64.7	62.0	60.8	55.5	--
5	AGS 2024	Stratton Seed	58.0	50.6	50.2	39.4	--
6	Blackland 1812	Blackland Seeds		57.4	54.9	47.6	--
7	AgriMAXX 481	AgriMAXX		56.3	56.7	46.2	--
8	TX16DDH579*	SunGrains- TAMU			67.9	59.6	--
9	WB 2606	WestBred			65.3	60.7	--
10	AgriMAXX 492	AgriMAXX			61.5	50.5	--
11	Dyna-Gro Blanton	Dyna-Gro			61.4	48.5	--
12	Dyna-Gro 9002	Dyna-Gro			60.7	50.6	--
13	Dyna-Gro Plantation	Dyna-Gro			60.1	44.7	--
14	Go Wheat 6000	Stratton Seed			58.5	52.8	--
15	USG 3640	Uni-South Genetics			56.8	46.2	--
16	USG 3329	Uni-South Genetics			56.5	54.5	--
17	Go Wheat 2032	Stratton Seed			56.2	49.5	--
18	Dyna-Gro Riverland	Dyna-Gro			56.1	40.3	--
19	AGS 3040**	Stratton Seed			51.3	45.7	--
20	LA15203LDH112	SunGrains-Louisiana State Univ.			49.7	42.7	--
21	LA15166LDH272**	SunGrains-Louisiana State Univ.			49.2	48.2	--
22	LA15203LDH274	SunGrains-Louisiana State Univ.			48.9	38.0	--
23	Go Wheat LA754	Stratton Seed			45.9	38.1	--
24	TX17D2337*	SunGrains- TAMU				74.4	--
25	Dyna-Gro 9120	Dyna-Gro				63.0	--
26	Blackland 1828	Blackland Seeds				59.9	--
27	Progeny PGX 19-17**	Prongeny				58.5	--
28	Blackland EXP 2032	Blackland Seeds				58.2	--
29	Progeny PGX 20-15	Prongeny				58.1	--
30	AgriMAXX 473	AgriMAXX				56.8	--
31	USG 3472	Uni-South Genetics				56.4	--
32	AgriMAXX 514	AgriMAXX				56.4	--
33	AR09137UC-17-2	SunGrains-Univ. of Arkansas				56.1	--
34	USG 3562	Uni-South Genetics				56.0	--
35	GA15VDH-FHB-MAS23-18LE43F	SunGrains-Univ. of Georgia				55.8	--
36	AGS 2021	Stratton Seed				55.1	--
37	Progeny PGX 18-7	Prongeny				55.1	--
38	Progeny PGX 19-12	Prongeny				52.6	--
39	AR15V31-26-2285N	SunGrains-Univ. of Arkansas				52.5	--
40	LANC 11558-33	SunGrains-Louisiana State Univ.				51.0	--
41	LA12080LDH72**	SunGrains-Louisiana State Univ.				50.2	--
42	FLLA11004-7	SunGrains-Univ. of Florida				49.8	--
43	TX17D2452*	SunGrains- TAMU				48.4	--
44	GA10127-18E26	SunGrains-Univ. of Georgia				47.5	--
45	GA12505B14-18LE23F	SunGrains-Univ. of Georgia				46.8	--
46	GA15VDH-FHB-MAS30-18Esc43F	SunGrains-Univ. of Georgia				44.1	--
47	GA131246LDH-18E35	SunGrains-Univ. of Georgia				43.4	--
48	LA13154D-WN1	SunGrains-Louisiana State Univ.				43.4	--
49	AR11051-15-3	SunGrains-Univ. of Arkansas				43.2	--
50	LA12275LDH56	SunGrains-Louisiana State Univ.				41.8	--
51	XD2507	WestBred				41.5	--
52	Progeny PGX 19-10	Prongeny				40.7	--
53	Dyna-Gro Rutledge	Dyna-Gro				33.1	--
54	FL14167LDH-158	SunGrains-Univ. of Florida				28.0	--
55	FLLA10033C-6	SunGrains-Univ. of Florida				23.4	--
LSD (0.05)			4.4	6.1	8.9	15.6	--
CV (%)			8.1	10.5	13.7	19.4	--
Mean			65.9	60.3	57.0	49.6	--

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2018, 2019, 2020 and 2021 data.

Texas Locations Agronomic Data

South Texas: 2021

Location ¹	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/ac)	Water*	Pesticide applied (date)
Castroville	Rolling Mangold	Hard freeze damage, Leaf rust, delayed harvest due to rain	11/12/2020	76	IL	Ally/Amber (1/26/2021)
College Station	Texas A&M University Research Farm	Hard freeze damage, Leaf rust, delayed harvest due to rain	11/17/2020	92	D	Ally/Amber (1/22/2021)
Uvalde	Texas A&M Agrilife Research and Extension Center	Mild freeze damage	11/13/2020	85	IL	Ally/Amber (1/27/2021)
Eagle Lake	Jonathan Krenek	DATA NOT SHOWN Freeze, Low vernalization, delayed harvest due to rain	11/20/2020	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

2021 Uniform Wheat Variety Trial: HRWW & SRWW, South Texas Regional Summary

Rank [†]	Variety	Class	Source	Yield (bu/ac)				Test Wt (lb/bu)
				AVG	Castroville	College Station	Uvalde	2021
1	AGS 2055	SRWW	Straton Seeds	52.1	46.1	48.8	61.5	52.0
2	OCW04S717T-6W*	HRWW	OSU	52.0	59.5	30.7	65.7	53.7
3	AGS 2024	SRWW	Straton Seeds	50.0	50.2	37.1	62.6	55.6
4	TX16M9473*	HRWW	TAMU	49.0	57.8	20.8	68.5	57.0
5	GW 2032	SRWW	Straton Seeds	48.9	51.6	30.9	64.1	54.4
6	TX14A001035*	HRWW	TAMU	48.7	51.5	31.5	63.1	54.2
7	AGS 3040	SRWW	Straton Seeds	47.6	54.9	19.8	68.3	53.2
8	WB4401	HRWW	WestBred	46.5	64.1	17.2	58.2	54.4
9	Gallagher	HRWW	OSU	46.0	44.8	27.1	66.1	53.0
10	Smith's Gold	HRWW	OSU	45.6	50.3	23.0	63.7	53.7
11	TX16M9216*	HRWW	TAMU	45.5	45.9	33.4	57.4	53.3
12	GW LA754	SRWW	Straton Seeds	45.3	47.8	25.4	62.8	51.7
13	Skydance	HRWW	OSU	44.6	41.4	25.6	66.8	56.8
14	GW 6000	SRWW	Straton Seeds	43.3	43.0	27.1	59.7	51.0
15	TX14V70214*	HRWW	TAMU	41.6	36.8	27.4	60.6	52.4
16	TX14A001249*	HRWW	TAMU	40.8	34.5	27.9	60.1	54.6
17	TAM 304	HRWW	Scott Seed	39.0	43.5	9.8	63.6	50.1
18	TX14M7061*	HRWW	TAMU	38.6	33.4	22.5	59.7	53.3
19	TX15M8024*	HRWW	TAMU	34.7	22.4	25.0	56.6	--
20	TAM W-101	HRWW	TAMU	26.7	12.8	18.2	49.1	--
LSD (0.05)				4.8	10.0	5.6	9.2	1.6
CV (%)				11.4	13.2	12.8	8.9	3.0
Mean				44.3	44.6	26.5	61.9	53.6

*Experimental breeding line.

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

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

2021 Uniform Wheat Variety Trial: HRWW & SRWW, Castroville, TX

Rank [†]	Variety	Class	Company	Yield (bu/ac)				Test Wt (lb/bu)
				4-Year [‡]	3-Year	2-Year	2021	2021
1	AGS 2024	SRWW	Straton Seeds	56.2	52.8	40.9	50.2	55.6
2	AGS 2055	SRWW	Straton Seeds	54.1	52.4	36.6	46.1	49.9
3	TAM 304	HRWW	Scott Seed	42.9	39.2	32.7	43.5	50.2
4	Gallagher	HRWW	OSU	41.0	39.3	36.0	44.8	53.6
5	TAM W-101	HRWW	TAMU	25.8	24.1	19.0	12.8	--
6	TX16M9473*	HRWW	TAMU			43.0	57.8	58.8
7	AGS 3040	SRWW	Straton Seeds			39.6	54.9	53.3
8	TX14A001035*	HRWW	TAMU			39.0	51.5	52.4
9	TX14M7061*	HRWW	TAMU			31.1	33.4	54.7
10	TX14V70214*	HRWW	TAMU			29.4	36.8	49.9
11	TX15M8024*	HRWW	TAMU			21.7	22.4	--
12	WB4401	HRWW	WestBred				64.1	58.2
13	OCW04S717T-6W*	HRWW	OSU				59.5	55.2
14	GW 2032	SRWW	Straton Seeds				51.7	54.6
15	Smith's Gold	HRWW	OSU				50.3	53.4
16	GW LA754	SRWW	Straton Seeds				47.8	53.4
17	TX16M9216*	HRWW	TAMU				45.9	52.8
18	GW 6000	SRWW	Straton Seeds				43.0	47.3
19	Skydance	HRWW	OSU				41.4	56.3
20	TX14A001249*	HRWW	TAMU				34.5	55.1
LSD (0.05)				4.5	5.3	6.8	10.0	3.7
CV (%)				12.0	12.6	16.8	13.2	3.8
Mean				44.0	41.6	33.5	44.6	53.6

*Experimental breeding line.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2018, 2019, 2020 and 2021 data.

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

2021 Uniform Wheat Variety Trial: HRWW & SRWW, College Station, TX

Rank [†]	Variety	Class	Company	Yield (bu/ac)				Test Wt (lb/bu)
				4-Year [‡]	3-Year	2-Year	2021	2021
1	Gallagher	HRWW	OSU	36.3	44.1	39.9	27.1	45.7
2	TAM 304	HRWW	Scott Seed	31.9	37.0	26.3	9.8	44.2
3	TAM W-101	HRWW	TAMU	18.9	23.7	23.7	18.2	46.4
4	AGS 2055	SRWW	Straton Seeds		63.0	53.6	48.8	47.5
5	AGS 2024	SRWW	Straton Seeds		51.0	40.1	37.1	51.3
6	TX14A001035*	HRWW	TAMU		36.9	34.0	31.5	48.7
7	TX14V70214*	HRWW	TAMU			36.3	27.4	46.8
8	AGS 3040	SRWW	Straton Seeds			35.6	19.8	46.4
9	TX15M8024*	HRWW	TAMU			31.3	25.0	46.3
10	TX16M9473*	HRWW	TAMU			30.5	20.8	50.4
11	TX14M7061*	HRWW	TAMU			26.2	22.5	45.1
12	TX16M9216*	HRWW	TAMU				33.4	47.5
13	GW 2032	SRWW	Straton Seeds				30.9	49.1
14	OCW04S717T-6W*	HRWW	OSU				30.7	46.4
15	TX14A001249*	HRWW	TAMU				27.9	47.3
16	GW 6000	SRWW	Straton Seeds				27.1	48.3
17	Skydance	HRWW	OSU				25.6	52.4
18	GW LA754	SRWW	Straton Seeds				25.4	43.3
19	Smith's Gold	HRWW	OSU				23.0	46.4
20	WB4401	HRWW	WestBred				17.2	44.4
LSD (0.05)				2.6	4.6	4.1	5.6	3.14
CV (%)				10.3	11.1	10.3	12.8	4.0
Mean				29.0	42.6	34.3	26.5	47.2

*Experimental breeding line.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

[‡]4-year average based on 2017, 2019, 2020 and 2021 data.

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

2021 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	Straton Seeds	50.4	52.0	48.8	3.2
2	AGS 2024	SRWW	Straton Seeds	36.9	36.7	37.1	-0.4
3	TX16M9216*	HRWW	TAMU	35.9	38.5	33.4	5.1
4	TX14A001035*	HRWW	TAMU	33.7	35.9	31.5	4.3
5	TX14A001249*	HRWW	TAMU	32.1	36.2	27.9	8.4
6	Gallagher	HRWW	OSU	31.1	32.4	27.1	5.3
7	TX14V70214*	HRWW	TAMU	31.0	34.5	27.4	7.1
8	GW 2032	SRWW	Straton Seeds	30.0	31.4	30.9	0.5
9	GW LA754	SRWW	Straton Seeds	29.8	27.0	25.4	1.6
10	Smith's Gold	HRWW	OSU	28.2	33.4	23.0	10.5
11	OCW04S717T-6W*	HRWW	OSU	28.0	25.3	30.7	-5.4
12	TX15M8024*	HRWW	TAMU	27.6	30.2	25.0	5.3
13	GW 6000	SRWW	Straton Seeds	26.2	32.9	27.1	5.8
14	Skydance	HRWW	OSU	25.8	26.0	25.6	0.3
15	AGS 3040	SRWW	Straton Seeds	25.2	30.6	19.8	10.9
16	TX14M7061*	HRWW	TAMU	24.7	26.9	22.5	4.4
17	TX16M9473*	HRWW	TAMU	22.1	23.5	20.8	2.7
18	TAM W-101	HRWW	TAMU	20.4	22.6	18.2	4.3
19	WB4401	HRWW	WestBred	19.7	22.1	17.2	4.9
20	TAM 304	HRWW	Scott Seed	14.0	18.2	9.8	8.5
LSD (0.05)				5.02	8.55	5.58	-
CV (%)				15.3	17.0	12.8	-
Mean				28.6	30.8	26.5	4.3

*Experimental breeding line.

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

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

2021 Uniform Wheat Variety Trial: HRWW & SRWW, Uvalde, TX

Rank	Variety	Class	Source	Yield (bu/ac)				Test Wt (lb/bu)
				4-Year	3-Year	2-Year	2021	2021
1	AGS 2055	SRWW	Straton Seeds	65.8	65.0	57.6	61.5	58.5
2	AGS 2024	SRWW	Straton Seeds	63.8	62.4	51.7	62.6	60.0
3	TAM 304	HRWW	Scott Seed	54.0	51.9	42.9	63.6	56.0
4	Gallagher	HRWW	OSU	52.6	49.9	50.9	66.1	59.6
5	TAM W-101	HRWW	TAMU	41.5	40.5	33.6	49.1	54.1
6	AGS 3040	SRWW	Straton Seeds			55.2	68.3	59.9
7	TX16M9473*	HRWW	TAMU			54.9	68.5	61.9
8	TX14V70214*	HRWW	TAMU			49.6	60.6	60.4
9	TX14A001035*	HRWW	TAMU			43.4	63.1	61.5
10	TX15M8024*	HRWW	TAMU			40.8	56.6	58.5
11	TX14M7061*	HRWW	TAMU			38.7	59.7	60.0
12	Skydance	HRWW	OSU				66.8	61.7
13	OCW04S717T-6W	HRWW	OSU				65.7	59.6
14	GW 2032	SRWW	Straton Seeds				64.1	59.5
15	Smith's Gold	HRWW	OSU				63.7	61.2
16	GW LA754	SRWW	Straton Seeds				62.8	58.4
17	TX14A001249*	HRWW	TAMU				60.1	61.5
18	GW 6000	SRWW	Straton Seeds				59.7	57.4
19	WB4401	HRWW	WestBred				58.2	60.7
20	TX16M9216*	HRWW	TAMU				57.4	59.6
LSD (0.05)				5.5	6.7	6.5	9.2	1.2
CV (%)				12.0	12.7	11.5	8.9	1.2
Mean				55.5	53.9	47.2	61.9	59.5

*Experimental breeding line.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2021 yield averages.

‡4-year average based on 2018, 2019, 2020 and 2021 data.

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

2021-2022 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
Deliver ²	HRWW	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
		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
Espresso	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
Smiths Gold	HRWW	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
		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 CL2 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

2021-2022 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	Warner Seeds, Inc.	P.O. Box 1877, Hereford, TX 79045	(806) 364-4470
		C,R	Watley Seed Company	Box 51, Spearman, TX 79081	(806) 659-3838
		C	Scott Seed Co.	Box 1732, Hereford, TX 79045	(806) 364-3484
TAM 401 ²	HRWW	F	Texas Ag Exp Station	11914 Hwy. 70, Vernon, TX 76384	(940) 552-6226
TAMSP 801	HRSW	F	West Gaines Seed, Inc.	Box 1020, Seminole	(432) 758-3628
Underwood ²	HRWW	F	King Co., Douglass W.	Box 200320, San Antonio, TX 78220	(210) 661-4191
WB 4303	HRWW	C	Loveland Products, inc./ Dyna-Gro	-	-
		F	Monsanto	11613 N I-27 Hwy, Lubbock, TX 79403	(806) 724-3500
		C	Holubec, David	135 PR 555, Melvin, TX 76585	(325) 286-4284
WB 4418	HRWW	C	Louis Dreyfus Commodities LLC	444 FM 2006, Chillicothe	(940) 852-5118
		C	Steven Beakley	817 Basinger Rd., Ennis, TX 75119	(214) 808-1910
WB 4458 ²	HRWW	C	Abilene Ag Service & Supply, Inc.	303 South 14th St., Abilene	(325) 677-4371
		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
WB 4515	HRWW	F	Monsanto	11613 N I-27 Hwy, Lubbock, TX 79403	(806) 724-3500
		C	Parker Farms	Box 749, Munday, TX 76371	(940) 422-4577
WB 4518	HRSW	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

⁸ Information obtained from the 2019 Spring Seed Directory.

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

² This 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.

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

⁴ This variety is **Patent Protected**.

^F HRWW = Hard Red Winter Wheat, SRWW = Soft Red Winter Wheat, HRSW = Hard Red Spring Wheat.

^T C = Certified seed, R = Registered seed, F = Foundation seed

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