

2019

Texas Wheat Variety Trial Results



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2019

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 2018-19 wheat production season, Texas producers planted 4.5 million acres of wheat, unchanged from a year ago, according to the National Agricultural Statistics Service (NASS). Texas wheat producers harvested 2.2 million acres for grain (up 26% from 2018), with an average yield of 35 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 2019-20 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.

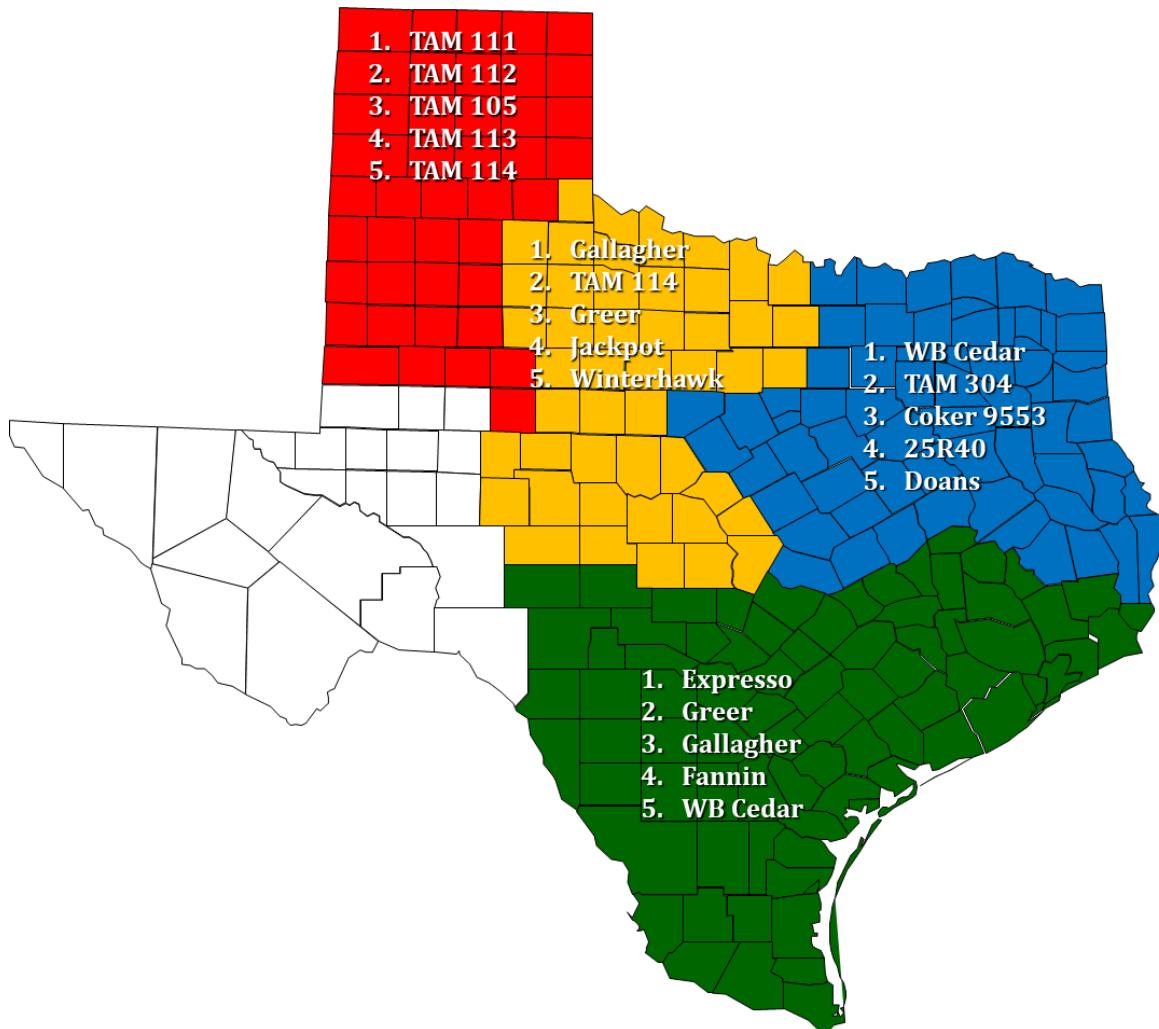
The mean is another term for the average. Therefore, a mean yield is the average of all plots within a trial. Individual variety yields can be compared to the mean yield to determine how these varieties performed within the trial (i.e. were they above or below average?). This average can also be used 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: 2019

Top 5 Planted Varieties by Region



Legend:

Texas High Plains	
Texas Rolling Plains	
Texas Blacklands	
South Texas	
West Texas	

Data retrieved from the USDA-NASS 2019 Texas Wheat Survey

2019 Texas Region Overview

Texas High Plains: Planting was delayed by fall precipitation across much of the High Plains, but fall moisture benefited early planted wheat resulting in good forage production for winter grazing. A dry, warm winter followed the wet fall resulting in producers dusting in late wheat as well as diminishing forage on wheat pasture. However, a cool, wet spring provided ideal conditions for crop development and an extended grain-fill period that resulted in record wheat yields across dryland and irrigated systems. Many producers were negatively impacted by severe hailstorms in May. Acres for wheat silage have continued to increase in response to forage demands from the dairy industry. Wet conditions in May prevented silage harvest in some areas, but producers were still able to take the crop to grain. Disease reports were relatively low considering wet conditions. Stripe rust, wheat streak mosaic virus and black chaff were reported in some areas.

Texas Rolling Plains: The Rolling Plains season started with very wet conditions which lasted from September until the end of October. There were only a few days in October that producers were able to work in their fields due to the wet conditions. Therefore, planting was delayed until November or December for much of the region. Although field conditions from November to February were relatively dry across the Rolling Plains, precipitation received in March and April helped to increase yield potential.

Texas Blacklands: Relentless rain delayed or prevented planting in many parts of the region. Slightly drier weather arrived in mid-January allowing for timely topdressing and herbicide applications. A cold front in early March resulted in below freezing temperatures which may have caused minor damage to early maturing or cold sensitive varieties. Bacterial streak and powdery mildew may have also reduced yields in some areas. Black chaff was reported in many areas as well. Spring thunderstorms continued throughout May and June which delayed harvest of some fields.

South Texas: The 2018-2019 growing season was one of the most difficult in recent memory for most areas of South Texas. After a hot and dry summer, steady rains began in mid-September which lasted into the spring. Saturated soils delayed or prevented planting for most of the region. Despite the abundance of rain, rust levels were not as high as may have been expected. Powdery mildew was also present at some locations on susceptible varieties. Conditions improved slightly in time for harvest while temperatures remained mild throughout May and early June.

Texas 2019 Hard Red Winter Wheat Characteristics¹

Variety	Company	First Year Sold	Maturity Group	Height (inches) ²	Leaf Rust	Stripe Rust	Stem Rust	Septoria Leaf Blotch	Tan Spot	Powdery Mildew	Wheat Streak Mosaic	Barley Yellow Dwarf	Green-bug	Hessian Fly
Bentley	OSU	2016	Early*	33	S	MR	-	-	-	MS	-	-	-	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*	-	-	-	-	-	-	-
CP7909	Croplan	2019	Medium*	-	S	S*	MS*	-	-	-	-	-	-	-
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 Link	Limagrain	2017	Late*	-	R*	MS*	R*	-	R*	-	MS*	R*	-	-
LCS Mint	Limagrain	2012	Med Late	33	S	MR	R	-	-	MS	-	-	-	S
LCS Pistol	Limagrain	2016	Med Early*	-	R	MR*	S*	-	-	MR*	MS*	MR*	-	MS*
Lonerider	OSU	2017	Early*	-	MR*	MS*	-	-	-	S*	-	-	-	MS*
Long Branch	Dyna-Gro	2016	Medium*	33	MS	MR	-	-	-	R	-	R*	-	S*
PlainsGold Avery	PlainsGold	2016	Medium*	32	MS*	MS*	-	-	-	-	-	-	-	-
PlainsGold Canvas	PlainsGold	2018	Medium*	-	MS*	R*	R*	-	-	MR*	-	-	-	-
PlainsGold Langin	PlainsGold	2016	Early*	-	MR*	R*	-	-	-	MS*	-	-	-	-
Showdown	OSU	2018	-	-	MR*	R*	-	-	-	-	MS*	-	-	R*
Skydance	OSU	2018	-	-	R*	R*	-	-	-	-	-	-	-	S*
Smiths Gold	OSU	2017	Med Late	-	MS	R	-	-	-	R*	-	-	R*	R*
SY Drifter	Syngenta	2015	Medium*	31	R	MR	-	-	-	MR	-	-	-	S
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 Razor**	Syngenta	2014	Medium	35	S	R	-	-	-	R	-	-	-	R
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
WB4269	Bayer	2016	Med Early*	-	MS	MR*	-	-	-	-	-	-	-	S
WB4303	Bayer	2016	Medium*	-	S	MS	-	-	-	S	-	-	-	-
WB4418	Bayer	2015	Med Late	-	S	MR	-	-	-	-	-	-	-	-
WB4515	Bayer	2016	Med Early*	-	S	MR	MR	-	-	MR	-	-	-	S
WB4699	Bayer	2018	Med Late*	-	MR*	MR*	-	-	MR*	R*	MS*	MR*	-	MS*
WB4721	Bayer	2016	Med Early*	31	R*	MR*	-	-	-	-	-	-	-	-
WB 4792	Bayer	2018	Med Late*	-	R*	MR*	-	-	MS*	S*	MS*	MR*	-	MR*
WB Cedar	Bayer	2011	Early	26	S	MR	R	-	-	MR	-	-	-	S*
WB Grainfield	Bayer	2013	Medium	33	MR	R	R	-	-	MS	-	-	-	S
Weathermaster 135**	Unknown	Unknown	Medium	27	MR	MS	S	-	-	MS	-	-	-	-
Winterhawk	Bayer	2007	Medium	32	MS	MR	S	-	-	MS	-	-	-	S
Wolverine	Syngenta	2020	Med Early	-	-	-	-	-	-	-	-	-	-	-

¹S-Susceptible, MS-Moderately Susceptible, MR-Moderately Resistant, and R-Resistant. ALL ratings are subject to change as re-evaluation occurs.

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
AgriMAXX 481	AgriMAXX	--	Early	MR*	MR*	Awned	--
AGS 2024	AgSouth Genetics	2015	Early	R	MR	Awned	MS
AGS 2038	AgSouth Genetics	2012	Medium Late	R	R	Awned	RS
AGS 2040	AgSouth Genetics	--	Early	R*	R*	Awned	--
AGS 2055	AgSouth Genetics	2016	Medium	R	R	Awned	R
AGS 3000	AgSouth Genetics	2016	Early	MR	R	Awned	R
Blackland 1812	Blackland Seeds	2018	Medium Late	--	--	Awned	--
Blackland 1881	Blackland Seeds	2018	Medium	MR	--	Awned	--
Blackland 1885	Blackland Seeds	2018	Medium Late	R	--	Awned	--
Dyna-Gro 9701	Dyna-Gro Seeds	--	Medium Early	R*	R*	Awned	--
Dyna-Gro 9811	Dyna-Gro Seeds	--	Medium Early	R*	R*	Awned	--
Dyna-Gro TV8861	Dyna-Gro Seeds	--	Medium Late	S	R*	Awned	--
Dyna-Gro Savoy	Dyna-Gro Seeds	--	Early	R	R	Awnless	R
GoWheat 2032	Stratton Seed Co.	--	Medium Early	R	--	Awned	R
GoWheat LA754	Stratton Seed Co.	--	Early	R	--	Awned	MS
#FURY	Progeny	--	Medium	R	R*	Awnless	--
#Turbo	Progeny	--	Medium	R	R	Awnless	--
TX-EL2	TAMU	--	Medium	MR	R*	Awned	--
USG 3118	UniSouth Genetics	--	Early	R*	MR*	Awned	--
USG 3120	UniSouth Genetics	2010	Early	R	MS	Awned	--
USG 3458	UniSouth Genetics	2017	Medium	MR*	R*	Awnless	--
USG 3536	UniSouth Genetics	2016	Medium Late	MR	R	Awned	--
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	--

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	Company	First Year Sold	Maturity Group	Height (inches)	Leaf Rust	Stripe Rust	Awned/Awnless
Expresso	Monsanto	2007	Med Early	28	MR	R	Awned
LCS Trigger	Limagrain	2016	Med Early	30	R	MS	Awned
TAMsp 801	TAMU	--	Med Late	26	R	R	Awned
WB9350	Monsanto	2018	Med Early	--	MR*	R*	Awned
WB9411	Monsanto	2015	Early	27	MS	MR	Awned
WB9518	Monsanto	2015	Early	26	MR	R	Awned
WB9662	Monsanto	--	Med Early	25	MS	R*	Awned
WB9668	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 rating NOT necessarily observed in Texas trials, but from other sources.

Texas Locations Agronomic Data

High Plains: 2019

Location ¹	Cooperator(s)	Yield Limiting Issues	Planting Date	Water*	Seeding Rate
Bushland Dryland	Texas A&M AgriLife Research and Extension Center	None	10/30/18	D	600K Seeds/A
Bushland Irrigated	Texas A&M AgriLife Research and Extension Center	None	11/5/18	IF	1.1M Seeds/A
Clovis Dryland	New Mexico State University Research Center	None	11/9/18	D	600K Seeds/A
Clovis Irrigated	New Mexico State University Research Center	None	11/20/18	IL	1.1M Seeds/A
Dalhart	3B Farms	None	11/7/18	IF	1.1M Seeds/A
Dumas	Reznik Farms	None	11/30/18	IL	1.1M Seeds/A
Groom	John Weinheimer	Hail	11/10/18	D	600K Seeds/A
Hereford	Chris Grotegut	Abandoned	11/9/18	D	600K Seeds/A
Perryton	Ramon Vela	Waterlogged Soils and Hail	10/5/18	D	600K Seeds/A
Wellington	Mark Fourmentin	Waterlogged Soils and Hail	11/19/18	D	600K Seeds/A

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

¹All locations conventionally tilled.



2019 Uniform Wheat Variety Trial: HRWW, High Plains Irrigated Regional Summary

Rank [†]	Variety	Source	AVG	Yield (bu/a)			Test Wt (lb/bu)	
				Bushland	Clovis	Dalhart		
Rank [†]	Variety	Source	AVG	Bushland	Clovis	Dalhart	Dumas	2019
1	PlainsGold Langin	CSU	101.6	113.1	68.9	134.3	90.1	59.4
2	CP7909	Croplan	101.6	115.2	75.7	132.1	83.3	59.8
3	CP7010 (CPX79-10)	Croplan	99.2	104.8	72.2	131.1	88.7	61.8
4	WB 4792	Westbred	98.6	103.9	70.6	127.4	92.3	61.1
5	TAM 205 (TX12V7415)	TAMU	98.1	100.6	68.0	133.3	90.3	63.0
6	PlainsGold Avery	CSU	97.2	111.3	68.9	131.1	77.6	59.3
7	SY Wolverine (08BC379-40-1)	Syngenta	96.6	106.1	66.8	128.6	84.7	61.7
8	Showdown (OK12716)	OSU	96.4	102.0	64.0	130.9	88.7	59.7
9	CP7869	Croplan	96.1	106.5	69.2	119.6	89.3	60.4
10	PlainsGold Canvas	CSU	96.0	107.2	69.9	123.9	82.8	61.6
11	TAM 114	Adaptive Genetics	95.6	102.6	69.2	138.6	88.7	61.4
12	WB 4418	Westbred	95.4	100.1	71.0	122.6	88.0	59.8
13	TAM 111	Syngenta	95.0	107.4	66.5	122.2	83.7	60.7
14	LCS Link	Limagrain	94.9	103.9	66.7	124.8	84.1	60.8
15	Dyna-Gro Long Branch	Dyna-Gro	93.6	99.9	62.5	131.2	80.8	59.3
16	SY Monument	Syngenta	93.5	102.3	68.6	117.2	85.8	58.7
17	Gallagher	OSU	93.2	99.5	64.0	123.6	85.9	60.7
18	TAM 304	Scott Seed	93.1	104.1	63.8	119.0	85.7	59.1
19	SY Grit	Syngenta	92.6	98.0	66.3	130.5	75.6	59.4
20	Winterhawk	Westbred	92.2	101.1	70.0	129.6	85.2	61.7
21	SY Rugged	Syngenta	91.9	94.5	65.4	119.3	88.2	59.9
22	WB 4303	Westbred	91.6	101.8	65.9	115.6	83.1	57.3
23	Lonerider	OSU	91.1	97.5	68.1	121.7	77.2	60.9
24	TAM 113	Adaptive Genetics	90.5	93.8	63.4	122.3	82.3	60.7
25	TAM 204**	Watley Seed	89.6	92.3	65.1	123.7	77.4	58.2
26	Smith's Gold	OSU	89.2	96.3	62.9	118.1	79.5	61.5
27	TAM 115 (TX11A001295)	TAMU	88.6	90.3	62.0	117.6	84.6	62.3
28	SY Flint	Syngenta	88.6	96.0	65.4	120.1	72.8	60.9
29	LCS Pistol	Limagrain	88.2	98.7	62.4	107.2	84.4	59.4
30	TAM 112	Watley Seed	87.7	94.4	61.7	130.3	77.0	61.7
31	TAMW-101	TAMU	85.5	86.5	72.3	109.4	73.7	60.7
32	Iba	OSU	81.7	92.8	64.1	102.6	67.4	60.9
33	DH12HRW27-3*	Limagrain	80.8	91.6	55.9	102.6	78.7	61.1
LSD (0.05)			5.2	7.3	NS	10.7	5.6	1.4
CV (%)			7.0	4.5	8.2	5.3	4.2	2.8
Mean			92.9	100.5	66.5	123.0	83.0	60.4

*Experimental breeding line.

**Awnless variety.

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



2019 Uniform Wheat Variety Trial: HRWW, Bushland, TX (Irrigated)

Rank [†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	
			4-Year [‡]	3-Year	2-Year	2019	2019
1	TAM 114	Adaptive Genetics	92.7	92.5	99.9	102.6	61.4
2	Winterhawk	Westbred	90.8	91.4	93.4	101.1	61.6
3	TAM 111	Syngenta	90.7	89.3	95.5	107.4	57.4
4	TAM 204**	Watley Seed	90.5	89.2	90.3	92.3	58.3
5	TAM 113	Adaptive Genetics	89.7	87.8	93.3	93.8	60.9
6	Iba	OSU	89.6	88.1	87.7	92.8	61.0
7	TAM 304	Scott Seed	89.5	90.9	100.9	104.1	60.1
8	SY Monument	Syngenta	89.0	88.2	90.6	102.3	55.6
9	SY Grit	Syngenta	88.0	84.9	95.5	98.0	59.2
10	TAM 112	Watley Seed	85.6	81.7	93.3	94.4	61.9
11	TAMW-101	TAMU	76.3	77.0	83.0	86.5	59.9
12	CP7869	Croplan		100.5	102.8	106.5	61.8
13	TAM 115 (TX11A001295)	TAMU		88.6	89.7	90.3	62.9
14	SY Rugged	Syngenta		87.8	92.7	94.5	58.8
15	SY Flint	Syngenta		81.4	89.6	96.0	61.9
16	TAM 205 (TX12V7415)	TAMU			97.1	100.6	63.6
17	WB 4418	Westbred			93.6	100.1	59.5
18	LCS Pistol	Limagrain			93.3	98.7	59.2
19	WB 4303	Westbred			89.5	101.8	56.5
20	CP7909	Croplan				115.2	56.2
21	PlainsGold Langin	CSU				113.1	58.7
22	PlainsGold Avery	CSU				111.3	57.6
23	PlainsGold Canvas	CSU				107.2	61.9
24	SY Wolverine (08BC379-40-1)	Syngenta				106.1	61.3
25	CP7010 (CPX79-10)	Croplan				104.8	60.1
26	WB 4792	Westbred				103.9	62.0
27	LCS Link	Limagrain				103.9	61.5
28	Showdown (OK12716)	OSU				102.0	59.8
29	Dyna-Gro Long Branch	Dyna-Gro				99.9	59.2
30	Gallagher	OSU				99.5	60.8
31	Lonerider	OSU				97.5	60.7
32	Smith's Gold	OSU				96.3	62.1
33	DH12HRW27-3*	Limagrain				91.6	62.5
LSD (0.05)			4.1	4.9	5.8	7.3	NS
CV (%)			5.9	6.3	5.2	4.5	4.7
Mean			88.4	87.9	93.2	100.5	60.2

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.



2019 Uniform Wheat Variety Trial: HRWW, Clovis, NM (Irrigated)

Rank [†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	
			4-Year [‡]	3-Year	2-Year	2019	2019
1	Winterhawk	Westbred	81.4	77.9	78.4	70.0	63.1
2	SY Grit	Syngenta	81.3	76.5	74.7	66.3	59.1
3	TAM 114	Adaptive Genetics	80.5	73.6	72.9	69.2	62.4
4	TAM 204**	Watley Seed	78.9	70.9	71.0	65.1	57.9
5	TAM 304	Scott Seed	78.5	72.7	70.9	63.8	57.5
6	TAM 111	Syngenta	76.5	74.6	74.3	66.5	62.8
7	SY Monument	Syngenta	75.7	73.8	74.2	68.6	59.4
8	TAM 113	Adaptive Genetics	75.4	72.8	75.0	63.4	62.0
9	Iba	OSU	74.4	73.3	72.3	64.1	60.8
10	TAMW-101	TAMU	68.3	68.2	71.1	72.3	61.7
11	TAM 112	Watley Seed	66.3	62.7	70.7	61.7	62.7
12	CP7869	Croplan		80.4	76.3	69.2	59.0
13	SY Rugged	Syngenta		73.9	72.6	65.4	60.6
14	TAM 115 (TX11A001295)	TAMU		70.0	69.1	62.0	61.0
15	SY Flint	Syngenta		70.0	68.1	65.4	59.9
16	WB 4418	Westbred			74.4	71.0	59.6
17	TAM 205 (TX12V7415)	TAMU			73.9	68.0	63.1
18	WB 4303	Westbred				69.6	65.9
19	LCS Pistol	Limagrain				68.4	62.4
20	CP7909	Croplan				75.7	62.4
21	CP7010 (CPX79-10)	Croplan				72.2	63.5
22	WB 4792	Westbred				70.6	60.2
23	PlainsGold Canvas	CSU				69.9	61.9
24	PlainsGold Langin	CSU				68.9	61.0
25	PlainsGold Avery	CSU				68.9	60.1
26	Lonerider	OSU				68.1	61.7
27	SY Wolverine (08BC379-40-1)	Syngenta				66.8	63.2
28	LCS Link	Limagrain				66.7	59.3
29	Showdown (OK12716)	OSU				64.0	58.7
30	Gallagher	OSU				64.0	60.7
31	Smith's Gold	OSU				62.9	61.9
32	Dyna-Gro Long Branch	Dyna-Gro				62.5	58.9
33	DH12HRW27-3*	Limagrain				55.9	59.8
LSD (0.05)			5.2	5.2	NS	NS	2.8
CV (%)			8.5	7.6	7.5	8.2	2.8
Mean			76.1	72.7	72.3	66.5	60.7

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.



2019 Uniform Wheat Variety Trial: HRWW, Dalhart, TX (Irrigated)

Rank [†]	Variety	Source	Yield	Test Wt
			(bu/a)	(lb/bu)
2019	2019			
1	TAM 114	Adaptive Genetics	138.6	63.0
2	PlainsGold Langin	CSU	134.3	60.4
3	TAM 205 (TX12V7415)	TAMU	133.3	63.6
4	CP7909	Croplan	132.1	62.2
5	Dyna-Gro Long Branch	Dyna-Gro	131.2	61.0
6	CP7010 (CPX79-10)	Croplan	131.1	63.3
7	PlainsGold Avery	CSU	131.1	61.8
8	Showdown (OK12716)	OSU	130.9	61.1
9	SY Grit	Syngenta	130.5	62.0
10	TAM 112	Watley Seed	130.3	62.6
11	Winterhawk	Westbred	129.6	61.9
12	SY Wolverine (08BC379-40-1)	Syngenta	128.6	62.6
13	WB 4792	Westbred	127.4	61.9
14	LCS Link	Limagrain	124.8	62.9
15	PlainsGold Canvas	CSU	123.9	62.7
16	TAM 204**	Watley Seed	123.7	60.2
17	Gallagher	OSU	123.6	62.1
18	WB 4418	Westbred	122.6	61.6
19	TAM 113	Adaptive Genetics	122.3	61.7
20	TAM 111	Syngenta	122.2	63.1
21	Lonerider	OSU	121.7	62.3
22	SY Flint	Syngenta	120.1	62.7
23	CP7869	Croplan	119.6	61.4
24	SY Rugged	Syngenta	119.3	61.3
25	TAM 304	Scott Seed	119.0	60.5
26	Smith's Gold	OSU	118.1	62.2
27	TAM 115 (TX11A001295)	TAMU	117.6	64.0
28	SY Monument	Syngenta	117.2	61.1
29	WB 4303	Westbred	115.6	58.5
30	TAMW-101	TAMU	109.4	62.2
31	LCS Pistol	Limagrain	107.2	61.8
32	DH12HRW27-3*	Limagrain	102.6	62.1
33	Iba	OSU	102.6	63.0
LSD (0.05)			10.7	0.8
CV (%)			5.3	0.8
Mean			123.0	62.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 2019 yield averages.

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2019 Uniform Wheat Variety Trial: HRWW, Dumas, TX (Irrigated)

Rank[†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	
			4-Year[‡]	3-Year	2-Year	2019	2019
1	TAM 114	Adaptive Genetics	80.2	88.4	82.7	88.7	59.0
2	Iba	OSU	79.6	85.8	75.4	67.4	58.7
3	Winterhawk	Westbred	78.9	86.9	79.8	85.2	60.1
4	SY Monument	Syngenta	77.7	84.4	78.0	85.8	58.5
5	TAM 111	Syngenta	76.8	84.5	77.5	83.7	60.1
6	TAM 113	Adaptive Genetics	75.9	84.3	76.9	82.3	58.0
7	TAM 112	Watley Seed	74.4	82.5	77.1	77.0	59.5
8	Dyna-Gro Long Branch	Dyna-Gro	74.3	79.0	77.9	80.8	58.2
9	TAM 204**	Watley Seed	73.3	81.3	74.1	77.4	56.4
10	TAM 304	Scott Seed	72.5	80.6	73.7	85.7	58.1
11	TAMW-101	TAMU	71.3	77.7	74.6	73.7	59.0
12	SY Grit	Syngenta	66.3	73.0	69.2	75.6	57.5
13	SY Rugged	Syngenta		84.2	76.4	88.2	58.8
14	CP7869	Croplan		83.5	76.2	89.3	59.5
15	TAM 115 (TX11A001295)	TAMU		82.2	73.6	84.6	61.4
16	SY Flint	Syngenta		76.8	74.9	72.8	59.1
17	TAM 205 (TX12V7415)	TAMU			82.8	90.3	61.6
18	WB 4418	Westbred			82.6	88.0	58.3
19	WB 4303	Westbred			74.7	83.1	55.7
20	LCS Pistol	Limagrain			71.5	84.4	58.8
21	WB 4792	Westbred				92.3	60.5
22	PlainsGold Langin	CSU				90.1	57.4
23	Showdown (OK12716)	OSU				88.7	59.0
24	CP7010 (CPX79-10)	Croplan				88.7	60.4
25	Gallagher	OSU				85.9	59.4
26	SY Wolverine (08BC379-40-1)	Syngenta				84.7	59.7
27	LCS Link	Limagrain				84.1	59.6
28	CP7909	Croplan				83.3	58.6
29	PlainsGold Canvas	CSU				82.8	59.8
30	Smith's Gold	OSU				79.5	60.0
31	DH12HRW27-3*	Limagrain				78.7	60.1
32	PlainsGold Avery	CSU				77.6	57.6
33	Lonerider	OSU				77.2	58.9
LSD (0.05)			5.9	7.3	NS	5.6	1.2
CV (%)			9.6	9.5	10.4	4.2	1.3
Mean			75.1	82.2	76.5	83.0	59.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.



2019 Uniform Wheat Variety Trial: HRWW, High Plains Dryland Regional Summary

Rank[†]	Variety	Source	Yield (bu/a)					Test Wt (lb/bu)	
			AVG	Bushland	Clovis	Groom	Perryton		
1	CP7869	Croplan	44.7	74.5	30.4	53.2	33.0	26.2	59.3
2	PlainsGold Canvas	CSU	44.6	73.8	32.0	51.2	36.1	22.8	59.5
3	WB 4792	Westbred	44.3	77.8	28.6	46.2	34.2	29.9	58.8
4	CP7010 (CPX79-10)	Croplan	44.1	79.7	30.4	47.8	30.5	26.4	61.0
5	T158	Limagrain	44.1	73.8	25.2	38.3	42.4	34.3	59.9
6	SY Wolverine (08BC379-40-1)	Syngenta	42.9	78.5	28.8	42.9	43.0	21.4	60.5
7	Winterhawk	Westbred	40.9	72.2	28.8	39.5	33.1	30.9	60.4
8	TAM 114	Adaptive Genetics	40.7	70.8	31.4	40.8	47.5	23.1	60.8
9	Dyna-Gro Long Branch	Dyna- Gro	40.7	73.1	29.2	42.9	31.4	19.7	56.5
10	TAM 205 (TX12V7415)	TAMU	40.7	77.7	30.1	42.1	28.4	25.0	61.3
11	CP7909	Croplan	40.5	73.3	31.8	36.2	35.6	25.7	59.6
12	TAM 115 (TX11A001295)	TAMU	40.2	77.0	29.2	37.7	27.0	25.0	59.2
13	WB 4721	Westbred	39.6	74.1	25.8	41.3	30.5	20.1	60.6
14	Gallagher	OSU	38.9	71.5	27.9	37.8	30.2	21.0	58.6
15	TAM 111	Syngenta	38.8	71.2	25.7	36.8	34.0	20.2	60.5
16	LCS Mint	Limagrain	38.6	67.1	31.7	35.1	29.1	30.2	59.0
17	Showdown (OK12716)	OSU	38.5	72.2	26.1	40.5	27.1	20.8	58.6
18	TAM 113	Adaptive Genetics	38.5	59.7	30.2	40.1	25.9	32.9	60.0
19	LCS Pistol	Limagrain	38.0	70.8	22.1	40.8	33.4	21.4	57.3
20	Iba	OSU	37.1	66.3	23.4	38.6	31.4	20.0	57.5
21	WB-Grainfield	Westbred	36.5	62.7	26.2	31.7	31.5	24.7	59.3
22	Lonerider	OSU	36.2	69.2	27.5	36.2	25.0	16.4	59.7
23	Bentley	OSU	36.0	70.5	25.7	31.3	20.9	29.1	57.4
24	TAM 204**	Watley Seed	35.2	59.0	26.8	34.8	35.4	20.2	56.4
25	Smith's Gold	OSU	35.2	70.3	29.6	32.6	24.0	19.4	58.9
26	LCS Chrome	Limagrain	34.9	65.8	24.4	33.0	19.4	30.2	57.4
27	TAM 112	Watley Seed	33.6	56.7	29.2	28.3	30.1	18.7	59.3
28	TAM W-101	TAMU	32.6	60.0	24.6	35.2	23.2	20.1	59.0
LSD (0.05)			2.6	5.7	5.3	5.3	7.9	4.4	1.2
CV (%)			9.2	4.9	11.6	8.3	15.4	11.2	2.7
Mean			39.1	70.3	28.0	39.0	31.1	23.8	59.2

**Awnless variety.

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



2019 Uniform Wheat Variety Trial: HRWW, Bushland, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	
			4-Year [‡]	3-Year	2-Year		
Rank [†]	Variety	Source	4-Year [‡]	3-Year	2-Year	2019	
1	T158	Limagrain	48.4	47.4	48.5	73.8	61.8
2	WB 4721	Westbred	48.2	45.8	47.7	74.1	63.4
3	Winterhawk	Westbred	47.5	45.9	45.6	72.2	62.5
4	LCS Mint	Limagrain	46.3	41.4	45.3	67.1	62.9
5	TAM 111	Syngenta	45.8	43.7	44.4	71.2	62.5
6	TAM 113	Adaptive Genetics	44.9	40.3	41.4	59.7	62.3
7	WB-Grainfield	Westbred	43.9	39.9	42.2	62.7	61.5
8	TAM 204**	Watley Seed	43.6	40.6	40.5	59.0	57.4
9	TAM 112	Watley Seed	43.0	37.7	41.1	56.7	61.4
10	Iba	OSU	42.3	41.0	41.0	66.3	63.2
11	TAM 114	Adaptive Genetics	41.7	40.4	39.2	70.8	63.4
12	TAM W-101	TAMU	35.8	38.0	37.8	60.0	60.8
13	TAM 115 (TX11A001295)	TAMU		49.2	51.1	77.0	63.4
14	CP7869	Croplan		44.7	48.9	74.5	62.0
15	LCS Chrome	Limagrain		41.5	44.1	65.8	60.2
16	LCS Pistol	Limagrain			49.6	70.8	60.3
17	TAM 205 (TX12V7415)	TAMU			49.5	77.7	64.3
18	CP7010 (CPX79-10)	Croplan				79.7	63.4
19	SY Wolverine (08BC379-40-1)	Syngenta				78.5	62.7
20	WB 4792	Westbred				77.8	62.6
21	PlainsGold Canvas	CSU				73.8	61.6
22	CP7909	Croplan				73.3	61.2
23	Dyna-Gro Long Branch	Dyna-Gro				73.1	59.0
24	Showdown (OK12716)	OSU				72.2	61.6
25	Gallagher	OSU				71.5	63.2
26	Bentley	OSU				70.5	60.7
27	Smith's Gold	OSU				70.3	62.4
28	Lonerider	OSU				69.2	62.0
LSD (0.05)			3.7	3.2	3.9	5.7	0.8
CV (%)			10.2	8.1	7.7	4.9	0.8
Mean			44.3	42.5	44.6	70.3	61.9

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.



2019 Uniform Wheat Variety Trial: HRWW, Clovis, NM (Dryland)

Rank[†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	
			4-Year[‡]	3-Year	2-Year		
1	LCS Mint	Limagrain	27.4	28.6	26.8	31.7	59.3
2	TAM 113	Adaptive Genetics	26.4	26.6	24.3	30.2	60.5
3	WB 4721	Westbred	25.1	25.3	22.6	25.8	61.8
4	WB-Grainfield	Westbred	24.8	24.5	22.4	26.2	59.9
5	TAM 112	Watley Seed	24.3	23.9	22.7	29.2	59.8
6	Winterhawk	Westbred	24.0	23.9	23.3	28.8	61.8
7	TAM 111	Syngenta	23.6	24.3	20.8	25.7	61.2
8	T158	Limagrain	23.5	24.6	22.4	25.2	59.1
9	TAM 114	Adaptive Genetics	23.2	25.4	23.7	31.4	60.9
10	Iba	OSU	22.5	23.3	20.7	23.4	57.7
11	TAM 204**	Watley Seed	22.2	22.6	22.7	26.8	54.9
12	TAM W-101	TAMU	21.5	22.3	19.8	24.6	60.1
13	CP7869	Croplan		26.9	25.2	30.4	60.2
14	TAM 115 (TX11A001295)	TAMU		24.6	23.5	29.2	58.5
15	LCS Chrome	Limagrain		20.7	18.8	24.4	57.9
16	TAM 205 (TX12V7415)	TAMU			23.5	30.1	61.9
17	LCS Pistol	Limagrain			18.4	22.1	55.2
18	PlainsGold Canvas	CSU				32.0	60.4
19	CP7909	Croplan				31.8	59.6
20	CP7010 (CPX79-10)	Croplan				30.4	61.9
21	Smith's Gold	OSU				29.6	59.5
22	Dyna-Gro Long Branch	Dyna-Gro				29.2	57.7
23	SY Wolverine (08BC379-40-1)	Syngenta				28.8	59.1
24	WB 4792	Westbred				28.6	56.8
25	Gallagher	OSU				27.9	56.4
26	Lonerider	OSU				27.5	58.9
27	Showdown (OK12716)	OSU				26.1	57.0
28	Bentley	OSU				25.7	56.2
LSD (0.05)			2.8	3.3	4.3	5.3	3.9
CV (%)			14.4	14.2	16.5	11.6	4.0
Mean			24.0	24.5	22.4	28.0	59.1

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.



2019 Uniform Wheat Variety Trial: HRWW, Groom, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/a)		Test Wt (lb/bu)	
			3-Year [‡]	2-Year	2019	2019
1	TAM 114	Adaptive Genetics	57.0	55.4	40.8	61.4
2	WB-Grainfield	Westbred	56.4	51.8	31.7	61.3
3	T158	Limagrain	55.3	53.2	38.3	61.9
4	LCS Mint	Limagrain	55.0	55.1	35.1	57.7
5	TAM 204**	Watley Seed	54.9	52.6	34.8	59.0
6	TAM 113	Adaptive Genetics	54.2	54.8	40.1	62.1
7	TAM 111	Syngenta	53.2	51.4	36.8	61.6
8	Winterhawk	Westbred	52.7	50.8	39.5	59.3
9	Iba	OSU	51.4	52.4	38.6	52.7
10	Gallagher	OSU	51.3	49.2	37.8	59.6
11	Bentley	OSU	50.4	46.5	31.3	58.6
12	TAM 112	Watley Seed	48.0	47.2	28.3	60.0
13	TAM W-101	TAMU	45.7	44.4	35.2	58.9
14	CP7869	Croplan		64.9	53.2	58.0
15	WB 4721	Westbred		54.0	41.3	59.6
16	TAM 115 (TX11A001295)	TAMU		53.9	37.7	57.4
17	LCS Chrome	Limagrain		51.7	33.0	57.0
18	PlainsGold Canvas	CSU			51.2	58.9
19	CP7010 (CPX79-10)	Croplan			47.8	60.8
20	WB 4792	Westbred			46.2	58.8
21	Dyna-Gro Long Branch	Dyna-Gro			42.9	55.8
22	SY Wolverine (08BC379-40-1)	Syngenta			42.9	62.5
23	TAM 205 (TX12V7415)	TAMU			42.1	60.8
24	LCS Pistol	Limagrain			40.8	58.3
25	Showdown (OK12716)	OSU			40.5	61.4
26	Lonerider	OSU			36.2	62.1
27	CP7909	Croplan			36.2	61.0
28	Smith's Gold	OSU			32.6	56.4
LSD (0.05)			3.9	4.2	5.3	2.1
CV (%)			7.8	6.9	8.3	2.2
Mean			52.7	52.3	39.0	59.4

**Awnless variety.

[†]Varieties ranked according to 3-year, 2-year, then 2019 yield averages.

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



2019 Uniform Wheat Variety Trial: HRWW, Perryton, TX (Dryland)

Rank[†]	Variety	Source	Yield (bu/a)		Test Wt (lb/bu)
			2-Year	2019	
1	TAM 114	Adaptive Genetics	49.1	47.5	52.5
2	T158	Limagrain	42.3	42.4	53.9
3	CP7869	Croplan	39.4	33.0	51.7
4	TAM 111	Syngenta	38.2	34.0	50.0
5	Iba	OSU	37.8	31.4	51.3
6	WB 4721	Westbred	37.5	30.5	52.5
7	Winterhawk	Westbred	37.0	33.1	55.2
8	TAM 113	Adaptive Genetics	36.6	25.9	47.5
9	TAM 204**	Watley Seed	36.5	35.4	52.5
10	TAM 115 (TX11A001295)	TAMU	35.9	27.0	50.8
11	WB-Grainfield	Westbred	34.9	31.5	51.6
12	Gallagher	OSU	34.8	30.2	49.2
13	TAM 112	Watley Seed	33.0	30.1	51.6
14	LCS Mint	Limagrain	31.8	29.1	49.8
15	Bentley	OSU	29.6	20.9	48.5
16	TAM W-101	TAMU	27.7	23.2	48.9
17	LCS Chrome	Limagrain	27.5	19.4	49.4
18	Wolverine (08BC379-40-1)	Syngenta		43.0	51.9
19	PlainsGold Canvas	CSU		36.1	52.5
20	CP7909	Croplan		35.6	53.4
21	WB 4792	Westbred		34.2	52.5
22	LCS Pistol	Limagrain		33.4	51.0
23	Dyna-Gro Long Branch	Dyna-Gro		31.4	47.8
24	CP7010 (CPX79-10)	Croplan		30.5	52.2
25	TAM 205 (TX12V7415)	TAMU		28.4	52.7
26	Showdown (OK12716)	OSU		27.1	46.0
27	Lonerider	OSU		25.0	49.5
28	Smith's Gold	OSU		24.0	51.6
LSD (0.05)			5.1	7.9	-
CV (%)			12.4	15.4	-
Mean			35.9	31.1	51.0

**Awnless variety.

[†]Varieties ranked according to 2-year then 2019 yield averages.

[‡]2-year average based on 2017 and 2019 data.



2019 Uniform Wheat Variety Trial: HRWW, Wellington, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	
			4-Year [‡]	3-Year	2-Year	2019	2019
1	TAM 114	Adaptive Genetics	38.3	34.1	24.6	23.1	59.4
2	LCS Mint	Limagrain	37.2	32.7	28.4	30.2	59.2
3	Winterhawk	Westbred	34.4	31.7	27.4	30.9	58.7
4	WB-Grainfield	Westbred	33.7	29.2	22.4	24.7	54.8
5	T158	Limagrain	33.2	29.8	24.8	34.3	56.3
6	TAM 204**	Watley Seed	32.9	28.4	21.4	20.2	53.8
7	TAM 113	Adaptive Genetics	32.2	29.2	22.4	32.9	57.9
8	TAM 111	Syngenta	31.8	28.3	22.9	20.2	59.5
9	WB 4721	Westbred	31.7	28.4	22.0	20.1	59.5
10	Iba	OSU	30.7	27.4	22.8	20.0	60.3
11	TAM W-101	TAMU	28.9	26.9	23.3	20.1	60.2
12	TAM 112	Watley Seed	28.8	24.1	20.6	18.7	58.1
13	CP7869	Croplan		34.0	24.0	26.2	59.9
14	LCS Chrome	Limagrain		28.6	24.3	30.2	56.8
15	TAM 115 (TX11A001295)	TAMU			22.4	25.0	62.7
16	TAM 205 (TX12V7415)	TAMU			22.3	25.0	61.0
17	LCS Pistol	Limagrain			21.8	21.4	58.2
18	WB 4792	Westbred				29.9	60.3
19	Bentley	OSU				29.1	57.8
20	CP7010 (CPX79-10)	Croplan				26.4	61.0
21	CP7909	Croplan				25.7	57.0
22	PlainsGold Canvas	CSU				22.8	59.0
23	Wolverine (08BC379-40-1)	Syngenta				21.4	61.1
24	Gallagher	OSU				21.0	58.3
25	Showdown (OK12716)	OSU				20.8	58.2
26	Dyna-Gro Long Branch	Dyna-Gro				19.7	55.8
27	Smith's Gold	OSU				19.4	59.1
28	Lonerider	OSU				16.4	58.6
LSD (0.05)			3.5	4.5	NS	4.4	2.0
CV (%)			13.3	16.2	19.7	11.2	0.6
Mean			32.8	29.5	23.4	23.8	58.6

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.

Texas Locations Agronomic Data

Rolling Plains: 2019

Location¹	Cooperator(s)	Yield Limiting Issues	Planting Date	Fertilizer (Total lb N/A)	Seeding Rate	Pesticide Applied (Date)
Abilene	David Chapman	None	11/20/18	50	650K Seed/A	Quelex (3/1/19) Axial (3/8/19)
Brady	Holubec Farms; David Holubec	None	11/16/18	90	650K Seed/A	None
Chillicothe	Chillicothe Research Station	None	10/4/18	100	650K Seed/A	Quelex (2/12/19)
Munday	Mike Urbanzck	Wild Hog Damage to Awnless Varieties	10/4/18	50	650K Seed/A	Salvo (2/4/19)

¹All locations were planted to 7" row spacing and were conventionally tilled EXCEPT for Munday and Brady were no-till and minimum-till, respectively.

*Irrigation: IL = Irrigated Limited, D = Dryland



2019 Uniform Wheat Variety Trial: HRWW, Rolling Plains Regional Summary

Rank[†]	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)	
			4-loc AVG	3-loc AVG[§]	Abilene	Brady	Chillicothe	Munday
1	WB4699	Westbred	52.1	45.4	41.6	34.1	60.5	72.0
2	WB4792	Westbred	50.6	47.3	53.3	29.3	59.5	60.4
3	Bob Dole	Syngenta	49.8	44.5	43.6	32.6	57.3	65.9
4	Green Hammer (OK13209)	OSU	48.2	43.5	46.9	28.6	55.1	62.2
5	TAM 205 (TX12V7415)	TAMU	47.9	43.5	49.0	28.2	53.3	61.0
6	Showdown (OK12716)	OSU	46.6	44.1	47.3	25.2	59.9	54.1
7	Bentley	OSU	46.0	45.3	44.2	29.7	62.1	48.2
8	CP7010 (CPX79-10)	Croplan	45.7	40.9	39.8	23.3	59.4	60.2
9	TAM 114	Adaptive Genetics	45.0	41.3	46.1	28.9	48.9	56.3
10	LCS Chrome	Limagrain	44.8	41.1	44.0	24.1	55.2	56.0
11	Gallagher	OSU	43.6	41.4	49.0	26.2	48.9	50.2
12	SY Drifter	Syngenta	43.3	39.6	43.2	26.9	48.7	54.5
13	WB4418	Westbred	43.3	38.3	34.9	28.1	51.9	58.1
14	CP7869	Croplan	42.6	37.8	39.2	19.0	55.2	56.8
15	TAM 304	Scott Seed	41.8	39.0	40.6	29.1	47.3	50.3
16	SY Rugged	Syngenta	41.7	38.5	43.2	25.3	46.9	51.3
17	WB4269	Westbred	41.6	37.9	38.4	25.1	50.2	52.5
18	TAM 115 (TX11A001295)	TAMU	41.2	38.2	41.6	24.6	48.5	50.0
19	WB4515	Westbred	40.7	37.4	38.5	19.6	54.1	50.6
20	Smith's Gold	OSU	40.7	36.2	41.5	24.0	42.9	54.1
21	Greer	Syngenta	39.6	38.0	38.6	25.0	50.4	44.5
22	CP7909	Croplan	39.6	37.8	38.7	20.3	54.3	44.9
23	WB4721	Westbred	37.5	34.7	40.0	18.3	45.6	46.1
24	Skydance (OK13625)	OSU	37.1	34.3	38.4	22.5	41.9	45.5
25	SY Grit	Syngenta	36.8	37.0	32.7	26.8	51.4	36.2
26	WB Cedar	Westbred	36.5	33.8	34.3	26.2	41.0	44.6
27	TAM W-101	TAMU	34.9	32.2	40.2	21.1	35.3	42.9
28	SY Flint	Syngenta	33.6	31.9	30.0	19.3	46.5	38.5
29	Long Branch	Dyna Gro	33.6	31.9	35.3	17.4	42.9	38.6
30	Weathermaster 135**	Unknown	27.9	24.7	23.9	16.7	33.6	37.4
31	SY Razor**	Syngenta	--	30.3	30.7	18.2	42.1	--
32	TAM 204**	Watley Seed	--	26.5	31.8	11.9	35.8	--
LSD (0.05)			3.4	4.0	7.5	4.6	8.4	6.0
CV (%)			10.0	11.3	11.5	11.6	10.4	7.1
Mean			41.8	38.0	40.0	24.2	49.6	51.5
								55.1

** Awnless variety.

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

[‡]Due to missing data, test weights averaged across Brady and Chillicothe locations only.

[§]3-location average based on Abilene, Brady, and Chillicothe only.

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2019 Uniform Wheat Variety Trial: Abilene, TX

Rank[†]	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)
			4-Year[‡]	3-Year	2-Year	2019	
1	TAM 114	Adaptive Genetics	46.6	43.9	42.9	46.1	59.5
2	WB4721	Westbred	42.0	38.9	41.0	40.0	--
3	SY Grit	Syngenta	42.0	41.8	40.5	32.7	--
4	Gallagher	OSU	41.9	39.6	39.6	49.0	58.7
5	Greer	Syngenta	41.5	37.9	40.4	38.6	--
6	TAM 204**	Watley Seed	40.9	37.8	37.2	31.8	--
7	SY Razor**	Syngenta	39.8	37.4	35.3	30.7	--
8	WB4515	Westbred	39.8	37.6	39.2	38.5	59.3
9	TAM 304	Scott Seed	39.5	41.8	40.2	40.6	--
10	WB Cedar	Westbred	37.9	32.4	30.1	34.3	--
11	SY Drifter	Syngenta	37.1	38.4	40.6	43.2	59.0
12	TAM W-101	TAMU	33.3	36.1	35.9	40.2	57.6
13	Weathermaster 135**	Unknown	28.6	28.7	28.1	23.9	--
14	WB4269	Westbred		41.6	37.3	38.4	57.5
15	SY Rugged	Syngenta		41.6	41.5	43.2	57.7
16	Long Branch	Dyna Gro		40.8	39.5	35.3	--
17	TAM 115 (TX11A001295)	TAMU		39.6	39.8	41.6	61.8
18	LCS Chrome	Limagrain		38.0	39.1	44.0	58.0
19	SY Flint	Syngenta		37.5	36.7	30.0	--
20	TAM 205 (TX12V7415)	TAMU			41.9	49.0	60.9
21	WB4418	Westbred			37.8	34.9	--
22	WB4792	Westbred				53.3	60.5
23	Showdown (OK12716)	OSU				47.3	57.4
24	Green Hammer (OK13209)	OSU				46.9	58.9
25	Bentley	OSU				44.2	56.9
26	Bob Dole	Syngenta				43.6	58.3
27	WB4699	Westbred				41.6	57.6
28	Smith's Gold	OSU				41.5	--
29	CP7010 (CPX79-10)	Croplan				39.8	--
30	CP7869	Croplan				39.2	--
31	CP7909	Croplan				38.7	--
32	Skydance (OK13625)	OSU				38.4	--
LSD (0.05)			4.1	4.7	5.2	7.5	0.8
CV (%)			12.2	12.3	11.9	11.5	0.5
Mean			39.3	38.5	38.3	40.0	58.9

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.



2019 Uniform Wheat Variety Trial: Brady, TX

Rank [†]	Variety	Source	Yield (bu/a)		Test Wt (lb/bu)	Protein (%)
			3-Year [‡]	2-Year	2019	2019
1	TAM 114	Adaptive Genetics	40.8	35.1	28.9	55.5
2	Gallagher	OSU	38.9	32.8	26.2	54.0
3	Bentley	OSU	35.8	26.1	29.7	53.8
4	SY Grit	Syngenta	35.7	23.7	26.8	52.9
5	SY Razor**	Syngenta	34.3	22.7	18.2	55.3
6	WB Cedar	Westbred	34.1	28.7	26.2	53.2
7	TAM 304	Scott Seed	33.6	29.3	29.1	50.4
8	Greer	Syngenta	32.4	21.9	25.0	53.7
9	SY Drifter	Syngenta	31.5	23.9	26.9	55.7
10	TAM W-101	TAMU	25.9	22.2	21.1	53.6
11	TAM 204**	Watley Seed	25.4	17.5	11.9	48.6
12	Weathermaster 135**	Unknown	21.8	17.4	16.7	49.8
13	LCS Chrome	Limagrain		34.1	24.1	52.0
14	WB4269	Westbred		28.9	25.1	52.9
15	TAM 115 (TX11A001295)	TAMU		27.5	24.6	56.4
16	SY Rugged	Syngenta		25.0	25.3	53.7
17	SY Flint	Syngenta		24.2	19.3	55.3
18	WB4721	Westbred		23.8	18.3	53.7
19	Long Branch	Dyna Gro		20.7	17.4	50.2
20	WB4515	Westbred		20.0	19.6	54.9
21	WB4699	Westbred			34.1	53.3
22	Bob Dole	Syngenta			32.6	54.6
23	WB4792	Westbred			29.3	58.8
24	Green Hammer (OK13209)	OSU			28.6	57.3
25	TAM 205 (TX12V7415)	TAMU			28.2	56.6
26	WB4418	Westbred			28.1	54.4
27	Showdown (OK12716)	OSU			25.2	50.9
28	Smith's Gold	OSU			24.0	55.1
29	CP7010 (CPX79-10)	Croplan			23.3	57.3
30	Skydance (OK13625)	OSU			22.5	57.9
31	CP7909	Croplan			20.3	51.5
32	CP7869	Croplan			19.0	52.8
LSD (0.05)			3.2	4.3	4.6	1.8
CV (%)			10.4	14.9	11.6	2.1
Mean			32.5	25.3	24.2	53.9
12.9						

**Awnless variety.

†Varieties ranked according to 3-year, 2-year, then 2019 yield averages.

‡3-year average based on 2015, 2017 and 2019 data.

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2019 Uniform Wheat Variety Trial: Chillicothe, TX

Rank[†]	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)
			4-Year[‡]	3-Year	2-Year	2019	
1	TAM 114	Adaptive Genetics	40.6	37.5	45.3	48.9	60.1
2	Gallagher	OSU	37.5	34.0	40.7	48.9	59.6
3	Greer	Syngenta	37.0	35.6	41.9	50.4	56.5
4	TAM 304	Scott Seed	36.9	33.9	40.5	47.3	54.6
5	SY Razor**	Syngenta	35.0	30.9	36.1	42.1	61.8
6	TAM 204**	Watley Seed	31.5	26.5	29.9	35.8	53.9
7	TAM W-101	TAMU	31.3	25.5	29.2	35.3	58.4
8	SY Drifter	Syngenta		33.9	41.0	48.7	60.4
9	WB Cedar	Westbred		32.9	38.1	41.0	58.4
10	Weathermaster 135**	Unknown		24.3	27.0	33.6	56.4
11	Bentley	OSU			48.5	62.1	56.8
12	WB4515	Westbred			45.8	54.1	59.5
13	WB4269	Westbred			45.2	50.2	59.0
14	TAM 115 (TX11A001295)	TAMU			45.1	48.5	62.8
15	LCS Chrome	Limagrain			43.9	55.2	60.4
16	WB4721	Westbred			41.3	45.6	60.1
17	SY Rugged	Syngenta			38.9	46.9	57.9
18	SY Grit	Syngenta			38.7	51.4	57.0
19	SY Flint	Syngenta			38.3	46.5	58.7
20	Long Branch	Dyna Gro			34.7	42.9	57.3
21	WB4699	Westbred				60.5	56.8
22	Showdown (OK12716)	OSU				59.9	57.2
23	WB4792	Westbred				59.5	60.7
24	CP7010 (CPX79-10)	Croplan				59.4	62.0
25	Bob Dole	Syngenta				57.3	57.4
26	CP7869	Croplan				55.2	57.8
27	Green Hammer (OK13209)	OSU				55.1	58.7
28	CP7909	Croplan				54.3	57.2
29	TAM 205 (TX12V7415)	TAMU				53.3	61.4
30	WB4418	Westbred				51.9	58.4
31	Smith's Gold	OSU				42.9	58.3
32	Skydance (OK13625)	OSU				41.9	61.1
LSD (0.05)			3.3	4.1	5.6	8.4	--
CV (%)			10.7	12.8	11.2	10.4	--
Mean			35.7	31.5	39.5	49.6	58.6

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2012, 2014, 2017 and 2019 data.



2019 Uniform Wheat Variety Trial: Munday, TX

Rank [†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)
			4-Year [‡]	3-Year	2-Year	
1	SY Drifter	Syngenta	42.1	44.2	47.3	54.5
2	WB4515	Westbred	38.6	39.0	41.6	50.6
3	Greer	Syngenta	37.7	38.0	40.0	44.5
4	WB4721	Westbred	37.5	36.6	39.2	46.1
5	TAM 114	Adaptive Genetics	36.4	37.6	41.4	56.3
6	TAM 304	Scott Seed	36.3	39.5	41.9	50.3
7	Gallagher	OSU	35.1	36.8	38.5	50.2
8	SY Grit	Syngenta	32.1	34.9	36.5	36.2
9	WB Cedar	Westbred	30.6	32.5	32.3	44.6
10	TAM W-101	TAMU	25.9	30.8	32.8	42.9
11	WB4269	Westbred		44.4	43.7	52.5
12	LCS Chrome	Limagrain		39.5	44.2	56.0
13	SY Rugged	Syngenta		38.8	41.5	51.3
14	TAM 115 (TX11A001295)	TAMU		38.6	41.1	50.0
15	SY Flint	Syngenta		35.2	34.8	38.5
16	Long Branch	Dyna Gro		34.6	36.7	38.6
17	TAM 205 (TX12V7415)	TAMU			47.0	61.0
18	WB4418	Westbred			47.0	58.1
19	WB4699	Westbred				56.2
20	Bob Dole	Syngenta				58.0
21	Green Hammer (OK13209)	OSU				58.1
22	WB4792	Westbred				57.8
23	CP7010 (CPX79-10)	Croplan				57.5
24	CP7869	Croplan				56.8
25	Showdown (OK12716)	OSU				54.2
26	Smith's Gold	OSU				57.6
27	Bentley	OSU				52.0
28	Skydance (OK13625)	OSU				56.1
29	CP7909	Croplan				54.3
30	Weathermaster 135**	Unknown				--
31	SY Razor**	Syngenta				--
32	TAM 204**	Watley Seed				--
LSD (0.05)			2.8	3.1	3.4	6.0
CV (%)			9.7	8.9	7.2	7.1
Mean			35.2	37.6	40.4	51.5
						55.4

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.



2019 Millersview, TX County Winter Wheat Variety Trial

Rank [†]	Variety	Source	Yield	Test Wt
			(bu/a)	(lb/bu)
2019	2019			
1	SY Grit	Syngenta	45.0	56.7
2	WB Cedar	Westbred	43.4	57.3
3	Gallagher	OSU	43.0	59.3
4	WB 4418	Westbred	42.4	57.2
5	WB 4269	Westbred	40.2	58.3
6	Smiths Gold	OSU	39.4	60.3
7	TAM 114	Adaptive Genetics	39.3	61.0
8	LCS Chrome	Limagrain	38.9	59.6
9	TAM 304	Scott Seed	38.9	54.6
10	WB 4721	Westbred	37.3	60.6
11	Winterhawk	Westbred	36.7	61.1
12	Greer	Syngenta	36.1	55.7
13	Weathermaster 135**	Unknown	35.8	57.6
14	SY Razor**	Syngenta	34.9	60.2
15	SY Flint	Syngenta	33.0	58.5
16	WB 4515	Westbred	27.9	60.4
17	TAM 204**	Watley Seed	26.6	53.3
LSD (0.05)			7.6	1.4
CV (%)			12.1	1.4
Mean			37.9	58.4

**Awnless variety.

[†]Varieties ranked according to 2019 yield data.

Texas Locations Agronomic Data

Blacklands: 2019

Location¹	Cooperator(s)	Yield Limiting Issues	Planting Date	Fertilizer (Total lb N/A)	Seeding Rate*	Pesticide Applied (Date)
Ennis	Bob Beakley	Bacterial Streak, Excess Rain	11/29/18	110	65 lbs/A (SRWW) 750K Seed/A (HRWW)	None
Hillsboro	Rodney Schronk	None	11/30/18	95	65 lbs/A (SRWW) 750K Seed/A (HRWW)	None
Howe	Norman Farms	Bacterial Streak, Excess Rain	11/17/18	118	65 lbs/A (SRWW) 750K Seed/A (HRWW)	None
McGregor	Texas A&M AgriLife Research Farm	None	11/18/18	105	65 lbs/A (SRWW) 750K Seed/A (HRWW)	None
Pilot Point	Duesman Bros.	Bacterial Streak, Excess Rain	11/14/18	110	65 lbs/A (SRWW) 750K Seed/A (HRWW)	None
Thrall	Stiles Foundation Research Farm	ABANDONED-Poor stands due to wet soil conditions	12/5/18	N/A	65 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.



2019 Uniform Wheat Variety Trial: HRWW, Blacklands Regional Summary

Rank [†]	Variety	Source	AVG	Yield (bu/a)				Test Wt (lb/bu)	Protein ^a (%)
				Ennis	Hillsboro	McGregor	Pilot Point		
1	TX13M5625*	TAMU	66.1	69.3	67.9	53.3	75.0	56.2	12.9
2	WB4699	Westbred	63.8	57.5	75.1	57.7	62.8	54.4	11.0
3	Bob Dole	Syngenta	63.3	67.6	66.5	53.0	67.5	56.0	11.9
4	Green Hammer (OK13209)	OSU	61.6	60.7	65.9	59.9	59.8	55.2	13.2
5	TAM 205 (TX12V7415)	TAMU	57.3	52.6	61.2	47.1	66.9	57.1	12.9
6	WB Cedar	Westbred	54.1	50.1	59.7	47.3	57.9	54.1	12.5
7	Skydance (OK13625)	OSU	51.0	41.1	60.8	36.6	62.2	57.9	12.4
8	WB4303	Westbred	50.7	52.7	71.7	32.3	46.7	50.3	12.9
9	Smith's Gold	OSU	50.4	48.0	51.6	40.8	60.4	55.2	13.0
10	CP7010 (CPX79-10)	Croplan	50.3	52.5	59.2	31.5	58.8	56.2	11.9
11	WB4418	Westbred	48.9	54.1	58.3	40.4	44.7	54.0	13.3
12	TAM 304	Scott Seed	47.6	45.3	67.1	35.4	41.9	50.2	12.9
13	WB4269	Westbred	47.0	41.5	53.1	33.3	58.1	54.1	12.7
14	SY Razor**	Syngenta	46.8	41.0	54.5	38.3	51.4	58.0	12.9
15	TAM 115 (TX11A001295)	TAMU	46.3	46.0	53.1	37.6	48.3	55.9	12.8
16	Gallagher	OSU	46.0	52.2	55.6	30.6	47.7	53.4	12.3
17	CP7909	Croplan	44.2	41.8	51.2	27.8	55.2	53.8	11.5
18	SY Drifter	Syngenta	41.4	40.7	53.6	27.5	43.6	55.8	12.5
19	WB4515	Westbred	41.2	48.1	38.8	25.3	55.1	54.0	12.8
20	TAM 204**	Watley Seed	37.8	37.7	52.3	21.4	39.7	49.6	12.7
21	CP7869	Croplan	37.1	26.2	41.1	33.1	44.2	54.8	12.7
22	SY Flint	Syngenta	35.9	38.4	43.3	20.5	42.5	53.2	11.9
23	TAMW-101	TAMU	33.0	30.9	39.2	19.6	41.6	52.4	12.8
LSD (0.05)			4.1	11.9	6.4	7.1	9.4	1.0	0.5
CV (%)			10.0	12.0	6.8	11.7	10.7	2.3	3.6
Mean			48.8	47.6	56.6	37.0	53.6	54.4	12.5

*Experimental breeding line.

**Awnless variety.

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

^aGrain protein averaged across Hillsboro and McGregor locations only.



2019 Uniform Wheat Variety Trial: HRWW, Ennis, TX

Rank[†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	
			4-Year[‡]	3-Year	2-Year		
1	WB Cedar	Westbred	65.3	56.0	54.9	50.1	55.9
2	Gallagher	OSU	62.0	53.5	54.2	52.2	53.3
3	TAM 304	Scott Seed	61.1	55.4	50.9	45.3	52.5
4	TAM 204**	Watley Seed	51.1	39.7	31.2	37.7	49.6
5	TAMW-101	TAMU	42.3	37.4	34.2	30.9	--
6	WB4269	Westbred			57.2	41.5	54.7
7	TAM 115 (TX11A001295)	TAMU			52.6	46.0	53.8
8	SY Drifter	Syngenta			46.8	40.7	57.4
9	WB4515	Westbred			46.1	48.1	56.1
10	WB4303	Westbred			45.2	52.7	53.7
11	SY Flint	Syngenta			34.9	38.4	53.6
12	TX13M5625*	TAMU				69.3	59.2
13	Bob Dole	Syngenta				67.6	56.6
14	Green Hammer (OK13209)	OSU				60.7	55.4
15	WB4699	Westbred				57.5	54.9
16	WB4418	Westbred				54.1	56.9
17	TAM 205 (TX12V7415)	TAMU				52.6	56.0
18	CP7010 (CPX79-10)	Croplan				52.5	58.8
19	Smith's Gold	OSU				48.0	54.5
20	CP7909	Croplan				41.8	54.9
21	Skydance (OK13625)	OSU				41.1	58.3
22	SY Razor**	Syngenta				41.0	58.0
23	CP7869	Croplan				26.2	--
LSD (0.05)			4.7	5.0	6.0	11.9	2.7
CV (%)			9.6	9.8	10.0	12.0	2.3
Mean			56.4	48.4	46.2	47.6	55.4

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2012, 2014, 2017, and 2019 data.



2019 Uniform Wheat Variety Trial: HRWW, Hillsboro, TX

Rank[†]	Variety	Source	Yield (bu/a)			Test Wt	Protein
			3-Year[‡]	2-Year	2019	2019	2019
1	WB4303	Westbred	73.9	82.3	71.7	50.3	12.6
2	WB Cedar	Westbred	70.5	74.4	59.7	53.1	11.8
3	TAM 304	Scott Seed	67.0	79.0	67.1	50.1	12.4
4	Gallagher	OSU	67.0	71.6	55.6	53.3	12.9
5	TAM 204**	Watley Seed	64.6	70.4	52.3	50.2	12.0
6	SY Razor**	Syngenta	55.1	66.0	54.5	57.7	12.9
7	WB4515	Westbred	51.7	57.9	38.8	51.1	13.3
8	TAMW-101	TAMU	40.6	48.7	39.2	51.5	13.0
9	TX13M5625*	TAMU		78.3	67.9	52.5	13.3
10	TAM 205 (TX12V7415)	TAMU		72.6	61.2	56.3	12.1
11	WB4418	Westbred		72.4	58.3	51.9	13.5
12	WB4269	Westbred		66.5	53.1	53.3	12.6
13	TAM 115 (TX11A001295)	TAMU		65.0	53.1	56.5	12.6
14	SY Flint	Syngenta		62.9	43.3	53.5	11.6
15	WB4699	Westbred			75.1	53.7	10.9
16	Bob Dole	Syngenta			66.5	54.8	12.1
17	Green Hammer (OK13209)	OSU			65.9	54.7	13.1
18	Skydance (OK13625)	OSU			60.8	57.2	12.2
19	CP7010 (CPX79-10)	Croplan			59.2	55.8	11.8
20	SY Drifter	Syngenta			53.6	55.4	12.1
21	Smith's Gold	OSU			51.6	53.8	13.1
22	CP7909	Croplan			51.2	52.8	11.2
23	CP7869	Croplan			41.1	53.5	12.0
LSD (0.05)			4.5	5.4	6.4	2.2	0.8
CV (%)			7.6	6.7	6.8	2.5	3.7
Mean			61.3	69.1	56.6	53.6	12.4

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 3-year, 2-year, then 2019 yield averages.

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



2019 Uniform Wheat Variety Trial: HRWW, McGregor, TX

Rank [†]	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)	Protein (%)
			4-Year [‡]	3-Year	2-Year	2019		
1	WB Cedar	Westbred	48.8	48.5	58.3	47.3	55.1	12.4
2	WB4303	Westbred	48.2	47.7	55.1	32.3	48.5	13.2
3	TAM 304	Scott Seed	46.3	48.8	52.5	35.4	48.0	13.4
4	Gallagher	OSU	45.9	43.6	50.0	30.6	54.4	11.8
5	WB4515	Westbred	36.3	38.6	45.6	25.3	53.5	12.3
6	TAM 204**	Watley Seed	33.8	33.3	39.4	21.4	48.7	13.3
7	TAMW-101	TAMU	23.7	26.8	34.6	19.6	52.3	12.7
8	WB4269	Westbred		47.1	53.9	33.3	53.0	12.7
9	TAM 115 (TX11A001295)	TAMU		43.1	53.4	37.6	56.4	13.0
10	SY Flint	Syngenta		35.2	43.0	20.5	51.5	12.3
11	TX13M5625*	TAMU			62.7	53.3	57.1	12.5
12	WB4418	Westbred			59.5	40.4	54.3	13.0
13	TAM 205 (TX12V7415)	TAMU			56.6	47.1	58.6	13.6
14	SY Razor**	Syngenta			49.3	38.3	58.8	12.9
15	Green Hammer (OK13209)	OSU				59.9	57.2	13.3
16	WB4699	Westbred				57.7	55.4	11.0
17	Bob Dole	Syngenta				53.0	57.5	11.8
18	Smith's Gold	OSU				40.8	56.4	12.9
19	Skydance (OK13625)	OSU				36.6	59.1	12.6
20	CP7869	Croplan				33.1	55.8	13.3
21	CP7010 (CPX79-10)	Croplan				31.5	54.4	12.0
22	CP7909	Croplan				27.8	52.7	11.8
23	SY Drifter	Syngenta				27.5	55.1	12.9
LSD (0.05)			3.7	3.7	4.7	7.1	2.0	0.6
CV (%)			10.5	8.8	8.0	11.7	2.2	2.8
Mean			40.3	41.2	51.0	37.0	54.5	12.6

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018, and 2019 data.



2019 Uniform Wheat Variety Trial: HRWW, Pilot Point, TX

Rank[†]	Variety	Source	Yield (bu/a)	Test Wt (lb/bu)	Head Date (DOY)	Height (Inch)
			2019	2019	2019	2019
1	TX13M5625*	TAMU	75.0	57.1	99	40
2	Bob Dole	Syngenta	67.5	55.1	99	42
3	TAM 205 (TX12V7415)	TAMU	66.9	57.8	102	37
4	WB4699	Westbred	62.8	54.2	102	32
5	Skydance (OK13625)	OSU	62.2	57.4	98	37
6	Smith's Gold	OSU	60.4	57.1	102	36
7	Green Hammer (OK13209)	OSU	59.8	53.6	102	38
8	CP7010 (CPX79-10)	Croplan	58.8	56.6	99	36
9	WB4269	Westbred	58.1	55.4	99	34
10	WB Cedar	Westbred	57.9	53.4	97	34
11	CP7909	Croplan	55.2	54.6	101	37
12	WB4515	Westbred	55.1	56.6	107	36
13	SY Razor**	Syngenta	51.4	57.2	100	40
14	TAM 115 (TX11A001295)	TAMU	48.3	56.1	106	38
15	Gallagher	OSU	47.7	53.7	100	36
16	WB4303	Westbred	46.7	49.3	99	35
17	WB4418	Westbred	44.7	53.5	99	35
18	CP7869	Croplan	44.2	55.1	111	36
19	SY Drifter	Syngenta	43.6	55.1	102	37
20	SY Flint	Syngenta	42.5	54.7	99	35
21	TAM 304	Scott Seed	41.9	49.9	98	34
22	TAMW-101	TAMU	41.6	53.4	109	37
23	TAM 204**	Watley Seed	39.7	49.8	104	37
LSD (0.05)			9.4	2.0	1.8	2.0
CV (%)			10.7	2.1	1.1	3.4
Mean			53.6	54.7	101.5	36.4

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 2019 yield averages.



2019 Uniform Wheat Variety Trial: SRWW, Blacklands Regional Summary

Rank [†]	Variety	Source	AVG	Yield (bu/a)				Test Wt (lb/bu)
				Ennis [§]	Hillsboro	McGregor	Pilot Point	
1	LA08080C-31-1*	LSU	75.2	67.3	77.5	87.6	68.2	55.1
2	Progeny #TURBO**	Progeny Seed	72.3	57.7	88.3	63.9	79.5	56.3
3	Progeny PGX18-2*	Progeny Seed	71.7	66.0	82.0	74.3	64.4	56.6
4	AgriMAXX EXP1913*	AgriMAXX	69.5	60.8	74.8	73.5	69.0	56.3
5	Go Wheat 2032	Stratton Seed	69.1	64.0	71.2	74.1	67.3	55.5
6	TX15D9597*	TAMU	68.4	57.2	77.6	61.3	63.7	56.4
7	USG 3895	UniSouth Genetics	68.3	56.4	81.0	76.8	59.1	53.4
8	TX15D9579*	TAMU	68.2	59.0	78.9	71.3	61.9	55.4
9	LA10191C-1*	LSU	68.2	62.5	79.4	67.5	63.2	57.4
10	AgriMAXX 481	AgriMAXX	67.5	70.3	78.7	55.4	65.7	56.0
11	AR06146E-1-4*	Univ. Arkansas	65.6	58.0	75.0	65.0	64.5	57.1
12	LA09225C-33-3*	LSU	65.5	45.7	73.9	68.2	74.3	55.6
13	LA14076LDH-217*	LSU	65.1	62.5	76.1	54.0	67.6	56.9
14	GA071518-16E39*	Univ. Georgia	65.0	57.2	78.4	72.7	51.5	54.6
15	USG 3118	UniSouth Genetics	64.9	55.7	73.7	66.3	63.8	55.2
16	AGS 2055	AgSouth Genetics	64.4	42.9	77.4	73.7	63.5	54.1
17	OCW04S405S-11F*	OSU	64.0	53.4	65.9	74.5	62.1	53.5
18	TX-EL2*	TAMU	63.8	56.3	78.2	58.7	77.5	52.4
19	USG 3640 (GA08535-15LE29)	UniSouth Genetics	63.1	67.4	71.8	48.2	65.2	56.3
20	Blackland 1812	Blackland Seeds	62.4	41.8	71.3	62.2	74.2	55.3
21	GA09129-16E55*	Univ. Georgia	62.3	51.9	73.9	57.4	66.1	55.9
22	USG 3536	UniSouth Genetics	62.2	39.4	74.6	64.9	70.0	54.9
23	AGS 2038	AgSouth Genetics	61.8	48.1	67.7	64.2	67.1	57.0
24	Dyna-Gro 9811	Dyna-Gro Seeds	61.7	42.2	70.1	70.4	64.2	53.8
25	Progeny PGX16-4*	Progeny Seed	61.5	55.5	73.8	55.8	61.0	55.9
26	Dyna-Gro WX18416*	Dyna-Gro Seeds	61.5	46.8	79.4	57.5	62.3	53.2
27	GoWheat LA754	Stratton Seed	61.4	60.7	71.4	50.4	63.2	54.0
28	LA13235DH-19*	LSU	60.9	56.8	60.9	65.2	60.7	56.6
29	OCW03S580S-8WF*	OSU	60.5	54.4	66.4	63.7	57.4	53.2
30	AGS 2040	AgSouth Genetics	60.1	50.0	68.6	56.1	65.7	56.5
31	Dyna-Gro 9701	Dyna-Gro Seeds	59.6	35.7	71.2	62.3	69.3	55.4
32	Progeny #FURY (PGX16-1)**	Progeny Seed	59.4	59.1	72.5	55.6	50.4	53.5
33	AGS 2024	AgSouth Genetics	59.4	54.8	71.8	51.3	59.6	54.7
34	USG 3539	UniSouth Genetics	59.3	40.2	72.3	56.4	68.1	54.0
35	GA09377-16LE18*	Univ. Georgia	59.3	48.2	73.6	52.8	62.4	54.5
36	Progeny PGX18-8*	Progeny Seed	56.5	51.8	70.6	47.1	56.6	53.4
37	Progeny PGX18-7*	Progeny Seed	56.4	43.5	70.7	49.5	61.8	55.6
38	Blackland 1885	Blackland Seeds	56.2	44.0	66.0	52.8	62.0	54.0
39	AR07133C-19-4*	Univ. Arkansas	55.8	45.1	62.0	56.2	59.9	55.7
40	LA12080LDH-72*	LSU	55.1	43.6	66.6	48.2	62.0	54.6
41	Blackland 1881	Blackland Seeds	54.6	37.9	69.6	50.0	60.9	55.0
42	Dyna-Gro TV8861	Dyna-Gro Seeds	54.2	42.8	64.3	52.7	56.9	53.2
43	GA09436-16LE12*	Univ. Georgia	52.7	48.3	60.4	53.7	48.5	57.8
44	USG 3458	UniSouth Genetics	50.1	41.5	64.8	34.1	59.7	52.7
45	AGS 3000	AgSouth Genetics	46.6	40.7	60.2	31.4	54.3	55.4
LSD (0.05)			4.5	9.8	8.9	10.4	6.6	0.7
CV (%)			9.0	11.6	7.6	10.6	6.4	1.6
Mean			62.0	52.1	72.3	60.2	63.5	55.1

*Experimental breeding line.

** Awnless variety.

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

[§]Rain delayed harvest significantly which led to shattering in some earlier maturing varieties.



2019 Uniform Wheat Variety Trial: SRWW, Ennis, TX

Rank [†]	Variety	Source	Yield (bu/a)		Test Wt (lb/bu)
			2-Year [‡]	2019 [§]	
1	Progeny PGX16-4*	Progeny Seed	66.7	55.5	54.9
2	Progeny #TURBO**	Progeny Seed	66.0	57.7	54.6
3	AGS 2038	AgSouth Genetics	65.7	48.1	55.0
4	TX-EL2*	TAMU	64.7	56.3	51.9
5	USG 3895	UniSouth Genetics	62.8	56.4	52.0
6	AGS 2024	AgSouth Genetics	61.3	54.8	53.1
7	AGS 2055	AgSouth Genetics	61.1	42.9	52.5
8	Progeny #FURY (PGX16-1)**	Progeny Seed	57.1	59.1	53.6
9	AGS 2040	AgSouth Genetics	51.0	50.0	55.2
10	AGS 3000	AgSouth Genetics	47.2	40.7	54.7
11	USG 3536	UniSouth Genetics	46.0	39.4	52.5
12	Dyna-Gro 9701	Dyna-Gro Seeds	45.5	35.7	52.9
13	AgriMAXX 481	AgriMAXX		70.3	56.2
14	USG 3640 (GA08535-15LE29)	UniSouth Genetics		67.4	56.0
15	LA08080C-31-1*	LSU		67.3	54.1
16	Progeny PGX18-2*	Progeny Seed		66.0	55.1
17	Go Wheat 2032	Stratton Seed		64.0	53.9
18	LA10191C-1*	LSU		62.5	56.8
19	LA14076LDH-217*	LSU		62.5	54.9
20	AgriMAXX EXP1913*	AgriMAXX		60.8	54.4
21	GoWheat LA754	Stratton Seed		60.7	52.7
22	TX15D9579*	TAMU		59.0	53.2
23	AR06146E-1-4*	Univ. Arkansas		58.0	56.7
24	GA071518-16E39*	Univ. Georgia		57.2	53.0
25	TX15D9597*	TAMU		57.2	55.3
26	LA13235DH-19*	LSU		56.8	55.6
27	USG 3118	UniSouth Genetics		55.7	54.1
28	OCW03S580S-8WF*	OSU		54.4	51.2
29	OCW04S405S-11F*	OSU		53.4	51.4
30	GA09129-16E55*	Univ. Georgia		51.9	54.9
31	Progeny PGX18-8*	Progeny Seed		51.8	52.4
32	GA09436-16LE12*	Univ. Georgia		48.3	56.1
33	GA09377-16LE18*	Univ. Georgia		48.2	53.7
34	Dyna-Gro WX18416*	Dyna-Gro Seeds		46.8	52.1
35	LA09225C-33-3*	LSU		45.7	53.2
36	AR07133C-19-4*	Univ. Arkansas		45.1	54.0
37	Blackland 1885	Blackland Seeds		44.0	52.4
38	LA12080LDH-72*	LSU		43.6	54.0
39	Progeny PGX18-7*	Progeny Seed		43.5	53.2
40	Dyna-Gro TV8861	Dyna-Gro Seeds		42.8	52.0
41	Dyna-Gro 9811	Dyna-Gro Seeds		42.2	51.0
42	Blackland 1812	Blackland Seeds		41.8	52.5
43	USG 3458	UniSouth Genetics		41.5	50.8
44	USG 3539	UniSouth Genetics		40.2	52.6
45	Blackland 1881	Blackland Seeds		37.9	53.0
	LSD (0.05)		7.3	9.8	1.2
	CV (%)		10.8	11.6	1.3
	Mean		57.9	52.1	53.7

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 2-year then 2019 yield averages.

[‡]2-year average based on 2017 and 2019 data.

[§]Rain delayed 2019 harvest significantly which led to shattering in some earlier maturing varieties.



2019 Uniform Wheat Variety Trial: SRWW, Hillsboro, TX

Rank[†]	Variety	Source	Yield (bu/a)			Test Wt	Protein
			4-Year[‡]	3-Year	2-Year	2019	2019
1	AGS 2055	AgSouth Genetics	75.1	77.2	83.7	77.4	53.5
2	AGS 2038	AgSouth Genetics	67.9	68.2	75.5	67.7	56.4
3	GoWheat LA754	Stratton Seed	62.5	67.4	76.3	71.4	53.9
4	AGS 2040	AgSouth Genetics	62.5	65.4	69.6	68.6	56.3
5	USG 3895	UniSouth Genetics		80.9	85.2	81.0	53.7
6	TX-EL2*	TAMU		80.8	88.4	78.2	52.3
7	AGS 2024	AgSouth Genetics		71.9	79.4	71.8	55.1
8	AGS 3000	AgSouth Genetics		65.5	69.9	60.2	56.0
9	Progeny #TURBO**	Progeny Seed			91.5	88.3	56.5
10	Progeny #FURY (PGX16-1)**	Progeny Seed			84.9	72.5	53.1
11	USG 3536	UniSouth Genetics			83.9	74.6	55.0
12	LA08080C-31-1*	LSU			83.7	77.5	54.8
13	Progeny PGX16-4*	Progeny Seed			83.4	73.8	55.5
14	USG 3458	UniSouth Genetics			83.2	64.8	53.1
15	Go Wheat 2032	Stratton Seed			82.9	71.2	53.8
16	USG 3640 (GA08535-15LE29)	UniSouth Genetics			81.2	71.8	55.9
17	LA09225C-33-3*	LSU			81.0	73.9	55.3
18	Dyna-Gro 9701	Dyna-Gro Seeds			79.8	71.2	55.1
19	Dyna-Gro 9811	Dyna-Gro Seeds			79.6	70.1	54.2
20	AR06146E-1-4*	Univ. Arkansas			79.5	75.0	56.0
21	Dyna-Gro TV8861	Dyna-Gro Seeds			79.3	64.3	53.0
22	Progeny PGX18-2*	Progeny Seed			82.0	56.8	11.2
23	LA10191C-1*	LSU			79.4	57.6	11.7
24	Dyna-Gro WX18416*	Dyna-Gro Seeds			79.4	53.3	10.8
25	TX15D9579*	TAMU			78.9	54.5	11.1
26	AgriMAXX 481	AgriMAXX			78.7	56.8	10.9
27	GA071518-16E39*	Univ. Georgia			78.4	54.5	10.9
28	TX15D9597*	TAMU			77.6	55.9	11.3
29	LA14076LDH-217*	LSU			76.1	57.7	11.2
30	AgriMAXX EXP1913*	AgriMAXX			74.8	56.5	10.9
31	GA09129-16E55*	Univ. Georgia			73.9	56.2	11.3
32	USG 3118	UniSouth Genetics			73.7	54.9	11.8
33	GA09377-16LE18*	Univ. Georgia			73.6	54.4	12.0
34	USG 3539	UniSouth Genetics			72.3	54.2	11.0
35	Blackland 1812	Blackland Seeds			71.3	54.9	10.8
36	Progeny PGX18-7*	Progeny Seed			70.7	55.9	11.3
37	Progeny PGX18-8*	Progeny Seed			70.6	53.7	10.8
38	Blackland 1881	Blackland Seeds			69.6	55.6	10.6
39	LA12080LDH-72*	LSU			66.6	54.7	11.0
40	OCW03S580S-8WF*	OSU			66.4	52.1	12.5
41	Blackland 1885	Blackland Seeds			66.0	54.7	11.1
42	OCW04S405S-11F*	OSU			65.9	51.7	13.0
43	AR07133C-19-4*	Univ. Arkansas			62.0	54.6	11.6
44	LA13235DH-19*	LSU			60.9	55.5	13.6
45	GA09436-16LE12*	Univ. Georgia			60.4	57.7	12.7
LSD (0.05)			5.3	7.5	7.5	8.9	1.3
CV (%)			9.5	10.9	8.1	7.6	1.5
Mean			67.0	72.2	81.0	72.3	54.9
11.3							

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2014, 2016, 2018, and 2019 data.

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2019 Uniform Wheat Variety Trial: SRWW, McGregor, TX

Rank[†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	
			4-Year[‡]	3-Year	2-Year	2019	2019
1	USG 3895	UniSouth Genetics	68.8	69.0	79.4	76.8	54.9
2	AGS 2055	AgSouth Genetics	64.5	68.6	75.8	73.7	56.6
3	AGS 2038	AgSouth Genetics	61.4	62.5	68.5	64.2	58.4
4	AGS 2024	AgSouth Genetics	60.9	60.9	65.9	51.3	54.8
5	TX-EL2*	TAMU	60.6	60.9	66.2	58.7	51.5
6	AGS 2040	AgSouth Genetics	51.6	51.4	55.2	56.1	57.6
7	AGS 3000	AgSouth Genetics	45.0	43.7	44.3	31.4	--
8	Progeny #FURY (PGX16-1)**	Progeny Seed		62.8	67.3	55.6	54.2
9	Dyna-Gro 9701	Dyna-Gro Seeds		61.7	68.6	62.3	56.8
10	Progeny #TURBO**	Progeny Seed		61.5	70.4	63.9	57.0
11	USG 3536	UniSouth Genetics		58.8	68.5	64.9	55.6
12	Progeny PGX16-4*	Progeny Seed		54.7	64.3	55.8	57.3
13	LA08080C-31-1*	LSU			85.2	87.6	56.8
14	Go Wheat 2032	Stratton Seed			75.6	74.1	58.2
15	Dyna-Gro 9811	Dyna-Gro Seeds			75.0	70.4	56.1
16	LA09225C-33-3*	LSU			73.4	68.2	56.5
17	AR06146E-1-4*	Univ. Arkansas			69.8	65.0	59.1
18	Dyna-Gro TV8861	Dyna-Gro Seeds			69.7	52.7	53.6
19	USG 3458	UniSouth Genetics			59.5	34.1	49.6
20	USG 3640 (GA08535-15LE29)	UniSouth Genetics			57.6	48.2	55.3
21	GoWheat LA754	Stratton Seed			55.2	50.4	55.3
22	OCW04S405S-11F*	OSU			74.5		55.5
23	Progeny PGX18-2*	Progeny Seed			74.3		58.6
24	AgriMAXX EXP1913*	AgriMAXX			73.5		58.3
25	GA071518-16E39*	Univ. Georgia			72.7		57.6
26	TX15D9579*	TAMU			71.3		57.3
27	LA10191C-1*	LSU			67.5		58.6
28	USG 3118	UniSouth Genetics			66.3		56.2
29	LA13235DH-19*	LSU			65.2		59.0
30	OCW03S580S-8WF*	OSU			63.7		55.4
31	Blackland 1812	Blackland Seeds			62.2		56.4
32	TX15D9597*	TAMU			61.3		57.1
33	Dyna-Gro WX18416*	Dyna-Gro Seeds			57.5		53.5
34	GA09129-16E55*	Univ. Georgia			57.4		55.9
35	USG 3539	UniSouth Genetics			56.4		53.2
36	AR07133C-19-4*	Univ. Arkansas			56.2		57.0
37	AgriMAXX 481	AgriMAXX			55.4		54.5
38	LA14076LDH-217*	LSU			54.0		57.9
39	GA09436-16LE12*	Univ. Georgia			53.7		59.4
40	Blackland 1885	Blackland Seeds			52.8		53.6
41	GA09377-16LE18*	Univ. Georgia			52.8		53.5
42	Blackland 1881	Blackland Seeds			50.0		56.5
43	Progeny PGX18-7*	Progeny Seed			49.5		57.2
44	LA12080LDH-72*	LSU			48.2		53.2
45	Progeny PGX18-8*	Progeny Seed			47.1		53.1
LSD (0.05)			3.6	5.4	5.6	10.4	2.0
CV (%)			7.0	9.0	7.3	10.6	2.2
Mean			59.0	59.7	67.4	60.2	56.1

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018, and 2019 data.



2019 Uniform Wheat Variety Trial: SRWW, Pilot Point, TX

Rank[†]	Variety	Source	Yield (bu/a)	Test Wt (lb/bu)
			2019	2019
1	Progeny #TURBO**	Progeny Seed	79.5	56.9
2	TX15D9597*	TAMU	77.5	57.3
3	LA09225C-33-3*	LSU	74.3	57.4
4	Blackland 1812	Blackland Seeds	74.2	57.2
5	USG 3536	UniSouth Genetics	70.0	56.4
6	Dyna-Gro 9701	Dyna-Gro Seeds	69.3	56.9
7	AgriMAXX EXP1913*	AgriMAXX	69.0	56.1
8	LA08080C-31-1*	LSU	68.2	54.7
9	USG 3539	UniSouth Genetics	68.1	56.1
10	LA14076LDH-217*	LSU	67.6	57.1
11	Go Wheat 2032	Stratton Seed	67.3	55.9
12	AGS 2038	AgSouth Genetics	67.1	58.0
13	GA09129-16E55*	Univ. Georgia	66.1	56.5
14	AgriMAXX 481	AgriMAXX	65.7	56.3
15	AGS 2040	AgSouth Genetics	65.7	56.7
16	USG 3640 (GA08535-15LE29)	UniSouth Genetics	65.2	58.1
17	AR06146E-1-4*	Univ. Arkansas	64.5	56.5
18	Progeny PGX18-2*	Progeny Seed	64.4	56.0
19	Dyna-Gro 9811	Dyna-Gro Seeds	64.2	54.0
20	USG 3118	UniSouth Genetics	63.8	55.6
21	TX15D9579*	TAMU	63.7	56.4
22	AGS 2055	AgSouth Genetics	63.5	53.9
23	GoWheat LA754	Stratton Seed	63.2	54.2
24	LA10191C-1*	LSU	63.2	56.7
25	GA09377-16LE18*	Univ. Georgia	62.4	56.4
26	Dyna-Gro WX18416*	Dyna-Gro Seeds	62.3	54.0
27	OCW04S405S-11F*	OSU	62.1	55.3
28	LA12080LDH-72*	LSU	62.0	56.5
29	Blackland 1885	Blackland Seeds	62.0	55.3
30	TX-EL2*	TAMU	61.9	53.9
31	Progeny PGX18-7*	Progeny Seed	61.8	55.9
32	Progeny PGX16-4*	Progeny Seed	61.0	55.7
33	Blackland 1881	Blackland Seeds	60.9	55.0
34	LA13235DH-19*	LSU	60.7	56.5
35	AR07133C-19-4*	Univ. Arkansas	59.9	57.1
36	USG 3458	UniSouth Genetics	59.7	55.1
37	AGS 2024	AgSouth Genetics	59.6	55.7
38	USG 3895	UniSouth Genetics	59.1	53.0
39	OCW03S580S-8WF*	OSU	57.4	54.0
40	Dyna-Gro TV8861	Dyna-Gro Seeds	56.9	54.2
41	Progeny PGX18-8*	Progeny Seed	56.6	54.4
42	AGS 3000	AgSouth Genetics	54.3	55.4
43	GA071518-16E39*	Univ. Georgia	51.5	53.1
44	Progeny #FURY (PGX16-1)**	Progeny Seed	50.4	53.3
45	GA09436-16LE12*	Univ. Georgia	48.5	58.1
LSD (0.05)			6.6	1.0
CV (%)			6.4	1.1
Mean			63.5	55.8

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 2019 yield.



2019 Uniform Wheat Variety Trial: HRWW vs SRWW, Howe, TX

Rank [†]	Variety	Source	Class	Yield (bu/a)				Test Wt (lb/bu)
				4-Year [‡]	3-Year	2-Year	2019	
1	Coker 9553	Syngenta	SRWW	62.2	61.9	72.3	67.1	58.8
2	USG 3201	UniSouth Genetics	SRWW	58.5	58.5	72.6	55.3	55.9
3	Dyna-Gro 9012	Dyna-Gro Seeds	SRWW	57.0	56.4	71.9	58.6	56.2
4	Gallagher	OSU	HRWW	55.6	57.3	64.1	56.2	58.7
5	TAM 305	TAMU	HRWW	52.4	57.2	61.4	51.9	57.9
6	AGS 2055	AgSouth Genetics	SRWW		80.7	85.9	77.5	56.1
7	USG 3895	UniSouth Genetics	SRWW		69.8	82.0	73.9	55.0
8	TX-EL2*	TAMU	SRWW		63.3	74.0	64.8	55.6
9	USG 3536	UniSouth Genetics	SRWW		61.3	75.6	61.7	56.0
10	SY Monument	Syngenta	HRWW		61.0	68.5	54.2	56.7
11	SY Grit	Syngenta	HRWW		54.1	63.8	52.3	56.1
12	AGS 2038	AgSouth Genetics	SRWW			75.6	67.3	58.0
13	Dyna-Gro 9522	Dyna-Gro Seeds	SRWW			71.1	58.2	53.8
14	WB 4269	Westbred	HRWW			63.8	51.8	56.7
15	WB 4515	Westbred	HRWW			52.8	42.9	57.3
16	AGS 2024	AgSouth Genetics	SRWW				77.1	58.4
17	GoWheat 2032	Stratton Seed	SRWW				74.3	57.6
18	Progeny #TURBO**	Progeny Seed	SRWW				71.7	57.3
19	Progeny #FURY (PGX16-1)**	Progeny Seed	SRWW				70.9	56.4
20	TX15D9597*	TAMU	SRWW				70.2	58.4
21	TX15D9579*	TAMU	SRWW				69.0	56.4
22	Pioneer 25R40	Pioneer	SRWW				69.0	55.5
23	USG 3539	UniSouth Genetics	SRWW				67.4	56.2
24	SY Viper	Syngenta	SRWW				67.4	56.5
25	Pioneer 75R74	Pioneer	SRWW				66.0	55.3
26	USG 3118	UniSouth Genetics	SRWW				65.9	57.0
27	WB 2418	Westbred	SRWW				65.7	57.2
28	USG 3404	UniSouth Genetics	SRWW				65.6	56.1
29	USG 3228	UniSouth Genetics	SRWW				65.3	54.8
30	Dyna-Gro 9811	Dyna-Gro Seeds	SRWW				64.7	55.2
31	Blackland 1885	Blackland Seeds	SRWW				64.4	56.1
32	Blackland 1812	Blackland Seeds	SRWW				63.1	56.4
33	Blackland 1881	Blackland Seeds	SRWW				62.9	56.0
34	Dyna-Gro 9701	Dyna-Gro Seeds	SRWW				62.5	56.0
35	Pioneer 25R61	Pioneer	SRWW				61.8	54.9
36	USG 3120	UniSouth Genetics	SRWW				61.4	56.8
37	Dyna-Gro TV8861	Dyna-Gro Seeds	SRWW				59.6	54.5
38	WB 4303	Westbred	HRWW				56.4	54.5
39	WB 4418	Westbred	HRWW				54.7	56.2
40	USG 3329	UniSouth Genetics	SRWW				52.9	51.4
41	USG 3458	UniSouth Genetics	SRWW				52.4	53.0
42	TAM 114	Adaptive Genetics	HRWW				52.2	56.7
43	SY Greer	Syngenta	HRWW				51.5	54.3
44	WB Cedar	Westbred	HRWW				46.7	55.5
LSD (0.05)				2.4	2.8	3.4	4.4	0.8
CV (%)				7.4	6.8	6.0	6.2	1.3
Mean				57.1	62.0	70.4	62.0	56.1

*Experimental breeding line.

**Awnless variety.

†Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

‡4-year average based on 2016, 2017, 2018, and 2019 data.

Texas Locations Agronomic Data

South Texas: 2019

Location¹	Cooperator(s)	Yield Limiting Issues	Planting Date	Fertilizer (Total lb N/A)	Water*	Pesticide Applied (Date)
Castroville	Rollin Mangold	None	11/26/18	105	IL	Weedmaster (2/8/19)
College Station	Texas A&M University Research Farm	None	10/29/18	110	D	Ally/Amber (12/12/18)
Nueces County	Texas A&M AgriLife Research	None	12/19/18	90	D	None
Uvalde	Texas A&M AgriLife Research and Extension Center	None	11/14/18	105	IL	Ally/Amber (2/7/19)
Wharton	Jonathan Krenek	Late Planting	1/8/19	100	D	Ally/Amber (3/6/19)

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

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2019 Uniform Wheat Variety Trial: HRWW & SRWW, South Texas Regional Summary

Rank [†]	Variety	Class [¶]	Source	Yield (bu/a)				Test Wt Protein (lb/bu) (%)			
				3-loc AVG [#]	4-loc AVG	Castro- ville	College Station	Uvalde	Wharton [§]	2019 [‡]	2019 ^a
1	GO Wheat 2032	SRWW	Stratton Seed	82.3	70.8	81.0	76.8	89.1	36.1	60.0	11.7
2	AGS 2055	SRWW	AgSouth Genetics	82.1	61.6	84.9	82.0	79.5	0.0	58.2	11.7
3	LA14066DH-88*	SRWW	LSU	79.6	68.7	79.0	64.4	95.4	35.8	58.5	11.8
4	AGS 2024	SRWW	AgSouth Genetics	77.7	69.6	76.6	72.9	83.7	45.1	60.7	11.8
5	Progeny #FURY (PGX16-1)**	SRWW	Progeny Seed	76.3	57.2	83.6	70.9	74.5	0.0	59.4	11.8
6	LA14066DH-64*	SRWW	LSU	75.8	67.2	71.7	69.8	86.0	41.5	59.5	11.5
7	USG 3120	SRWW	UniSouth Genetics	70.3	63.5	70.6	59.5	80.6	43.2	60.2	11.1
8	Dyna-Gro Savoy**	SRWW	Dyna-Gro	69.3	63.6	75.6	57.9	74.5	46.4	59.7	11.8
9	AGS 2038	SRWW	AgSouth Genetics	68.6	61.7	72.6	58.7	74.5	40.8	60.2	11.3
10	TX13M5625*	HRWW	TAMU	65.3	57.1	66.1	60.1	69.9	32.3	59.3	11.8
11	Greer	HRWW	Syngenta	62.7	56.2	69.4	43.7	75.1	36.4	56.3	12.5
12	TX-EL2*	SRWW	TAMU	62.3	53.9	65.1	45.5	77.5	27.4	56.7	11.3
13	GO Wheat LA754	SRWW	Stratton Seed	62.2	58.3	68.7	56.7	61.1	46.7	58.8	11.5
14	TAM 304 (Medium Seed Size)	HRWW	Scott Seed	60.2	45.2	52.1	58.6	70.0	0.0	57.3	12.3
15	WB 4303	HRWW	Westbred	57.9	53.3	62.2	51.4	60.3	39.2	56.6	12.4
16	TAM 304 (Small Seed Size)	HRWW	Scott Seed	57.2	42.9	48.5	56.2	67.0	0.0	56.9	12.2
17	CP7010 (CPX79-10)	HRWW	Croplan	55.7	41.8	60.0	52.1	55.1	0.0	60.5	11.7
18	TAM 304 (Large Seed Size)	HRWW	Scott Seed	55.7	41.7	47.8	51.8	67.4	0.0	56.3	12.5
19	Smith's Gold	HRWW	OSU	55.2	41.4	53.5	44.6	67.4	0.0	58.3	12.4
20	WB Cedar	HRWW	Westbred	54.3	40.7	49.8	55.9	57.2	0.0	57.4	12.2
21	TAM 205 (TX12V7415)	HRWW	TAMU	53.1	39.8	32.1	55.5	71.7	0.0	54.8	12.4
22	WB 4269	HRWW	Westbred	51.1	45.2	48.6	44.3	60.3	27.6	58.0	12.0
23	TAM 115 (TX11A001295)	HRWW	TAMU	50.9	38.2	50.8	45.4	56.5	0.0	59.4	12.4
24	TAM 401**	HRWW	Syngenta	49.8	44.4	50.8	43.8	54.7	28.1	55.1	12.4
25	AGS 3000	SRWW	AgSouth Genetics	49.3	47.5	51.8	28.8	67.3	41.9	58.9	11.4
26	Gallagher	HRWW	OSU	48.8	36.6	46.0	52.5	47.9	0.0	58.5	11.9
27	CP7869*	HRWW	Croplan	34.8	26.1	12.2	26.1	66.1	0.0	48.1	13.0
28	TAM W-101	HRWW	TAMU	34.0	25.5	23.8	23.7	54.4	0.0	54.0	12.2
29	TAM 204**	HRWW	Watley Seed	31.5	27.0	32.4	22.9	39.1	13.5	53.7	12.2
30	CP7909*	HRWW	Croplan	28.5	21.4	22.3	30.0	33.2	0.0	53.6	12.0
LSD (0.05)				8.2	4.7	13.6	8.8	11.6	9.4	1.2	0.4
CV (%)				15.0	11.9	14.2	10.3	10.4	15.4	2.1	3.1
Mean				58.9	49.1	56.9	52.1	67.2	19.4	57.7	12.0

*Experimental breeding line.

**Awnless variety.

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

[#]Wharton excluded from 3 location yield average.

[§]Late planting in Wharton in January led to vernalization issues; yields of zero were excluded from Wharton 2019 data analysis.

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

[‡]Wharton location not included in test weight averages due to missing data on low yielding varieties.

^aGrain protein averaged across College Station and Uvalde locations only.



2019 Uniform Wheat Variety Trial: HRWW & SRWW, Castroville, TX

Rank [†]	Variety	Class [¶]	Source	Yield (bu/a)			Test Wt (lb/bu)	
				4-Year [‡]	3-Year	2-Year	2019	2019
1	Greer	HRWW	Syngenta	53.5	42.2	55.7	69.4	60.4
2	TAM 304 (Medium Seed Size)	HRWW	Scott Seed	51.5	37.5	53.1	52.1	57.3
3	Gallagher	HRWW	OSU	49.1	33.8	45.9	46.0	59.6
4	WB Cedar	HRWW	Westbred	49.1	33.4	49.7	49.8	57.5
5	TAM 401**	HRWW	TAMU	47.1	35.2	45.5	50.8	57.2
6	TAM 204**	HRWW	Watley Seed	35.0	19.9	26.8	32.4	55.8
7	TAM W-101	HRWW	TAMU	33.8	21.5	32.2	23.8	53.2
8	WB 4303	HRWW	Westbred		44.1	60.0	62.2	60.6
9	TAM 115 (TX11A001295)	HRWW	TAMU		34.3	51.0	50.8	60.6
10	AGS 2055	SRWW	AgSouth Genetics			72.1	84.9	58.9
11	AGS 2024	SRWW	AgSouth Genetics			71.5	76.6	63.7
12	LA14066DH-88*	SRWW	LSU			69.5	79.0	62.5
13	Dyna-Gro Savoy**	SRWW	Dyna-Gro			69.5	75.6	63.0
14	LA14066DH-64*	SRWW	LSU			67.9	71.7	63.2
15	Progeny #FURY (PGX16-1)**	SRWW	Progeny Seed			64.6	83.6	63.4
16	GO Wheat 2032	SRWW	Stratton Seed			64.2	81.0	62.2
17	AGS 2038	SRWW	AgSouth Genetics			63.9	72.6	63.1
18	USG 3120	SRWW	UniSouth Genetics			62.8	70.6	63.3
19	TX13M5625*	HRWW	TAMU			59.2	66.1	61.2
20	TX-EL2*	SRWW	TAMU			58.5	65.1	58.9
21	GO Wheat LA754	SRWW	Stratton Seed			58.3	68.7	61.5
22	WB 4269	HRWW	Westbred			48.6	48.6	60.5
23	TAM 205 (TX12V7415)	HRWW	TAMU			48.2	32.1	50.9
24	AGS 3000	SRWW	AgSouth Genetics			45.8	51.8	62.7
25	CP7010 (CPX79-10)	HRWW	Croplan				60.0	63.4
26	Smith's Gold	HRWW	OSU				53.5	61.0
27	TAM 304 (Small Seed Size)	HRWW	Scott Seed				48.5	56.5
28	TAM 304 (Large Seed Size)	HRWW	Scott Seed				47.8	54.8
29	CP7909	HRWW	Croplan				22.3	--
30	CP7869	HRWW	Croplan				12.2	--
LSD (0.05)				3.8	3.8	7.8	13.6	2.1
CV (%)				10.2	11.9	12.0	14.2	1.9
Mean				45.7	33.7	56.1	56.9	60.2

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2014, 2017, 2018, and 2019 data.

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



2019 Uniform Wheat Variety Trial: HRWW & SRWW, Castroville, TX

Rank [†]	Variety	Class [¶]	Source	Yield (bu/a)			
				AVG	Fungicide [‡]	No Fungicide	
1	AGS 2055	SRWW	AgSouth Genetics	83.8	82.8	84.9	-2.1
2	GO Wheat 2032	SRWW	Stratton Seed	83.5	85.2	81.0	4.2
3	LA14066DH-88*	SRWW	LSU	82.0	85.0	79.0	6.0
4	AGS 2024	SRWW	AgSouth Genetics	81.2	85.8	76.6	9.2
5	Progeny #FURY (PGX16-1)**	SRWW	Progeny Seed	78.4	75.0	83.6	-8.6
6	AGS 2038	SRWW	AgSouth Genetics	78.0	83.3	72.6	10.7
7	Greer	HRWW	Syngenta	73.3	79.2	69.4	9.8
8	LA14066DH-64*	SRWW	LSU	72.9	74.1	71.7	2.4
9	Dyna-Gro Savoy**	SRWW	Dyna-Gro	72.0	68.5	75.6	-7.1
10	USG 3120	SRWW	UniSouth Genetics	71.9	73.2	70.6	2.6
11	GO Wheat LA754	SRWW	Stratton Seed	70.9	73.0	68.7	4.3
12	TX13M5625*	HRWW	TAMU	70.0	73.8	66.1	7.7
13	TX-EL2*	SRWW	TAMU	66.5	68.7	65.1	3.6
14	WB 4303	HRWW	Westbred	65.4	68.5	62.2	6.3
15	CP7010 (CPX79-10)	HRWW	Croplan	62.2	65.6	60.0	5.6
16	TAM 115 (TX11A001295)	HRWW	TAMU	58.2	65.6	50.8	14.8
17	Smith's Gold	HRWW	OSU	57.1	60.8	53.5	7.3
18	WB Cedar	HRWW	Westbred	56.9	67.5	49.8	17.7
19	TAM 401**	HRWW	TAMU	54.3	57.9	50.8	7.1
20	Gallagher	HRWW	OSU	54.0	62.0	46.0	16.0
21	TAM 304 (Medium Seed Size)	HRWW	Scott Seed	53.2	54.3	52.1	2.2
22	TAM 304 (Small Seed Size)	HRWW	Scott Seed	52.5	56.5	48.5	8.0
23	AGS 3000	SRWW	AgSouth Genetics	51.7	51.6	51.8	-0.2
24	TAM 304 (Large Seed Size)	HRWW	Scott Seed	51.6	55.4	47.8	7.6
25	WB 4269	HRWW	Westbred	50.5	52.4	48.6	3.8
26	TAM 205 (TX12V7415)	HRWW	TAMU	45.0	58.0	32.1	25.9
27	TAM 204**	HRWW	Watley Seed	37.0	41.7	32.4	9.3
28	CP7909	HRWW	Croplan	34.8	47.3	22.3	25.1
29	TAM W-101	HRWW	TAMU	32.1	40.3	23.8	16.4
30	CP7869	HRWW	Croplan	6.5	2.7	12.2	-9.5
LSD (0.05)				9.4	13.3	13.6	--
CV (%)				13.3	12.4	14.2	--
Mean				60.2	63.6	56.9	6.9

*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 April 2, 2019.

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

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2019 Uniform Wheat Variety Trial: HRWW & SRWW, College Station, TX

Rank [†]	Variety	Class [¶]	Source	Yield (bu/a)			Test Wt (lb/bu)	Protein (%)
				4-Year [‡]	3-Year	2-Year		
1	Gallagher	HRWW	OSU	40.5	39.4	32.7	52.5	58.2
2	WB Cedar	HRWW	Westbred	40.4	37.8	31.9	55.9	57.6
3	TAM 304 (Medium Seed Size)	HRWW	Scott Seed	38.1	41.6	37.6	58.6	57.3
4	TAM 401**	HRWW	TAMU	36.6	34.0	37.1	43.8	53.6
5	Greer	HRWW	Syngenta	36.4	38.2	33.0	43.7	54.2
6	TAM 204**	HRWW	Watley Seed	27.0	20.2	16.6	22.9	52.3
7	TAM W-101	HRWW	TAMU	22.9	21.1	14.2	23.7	53.4
8	WB 4303	HRWW	Westbred			39.1	51.4	54.9
9	TAM 115 (TX11A001295)	HRWW	TAMU		27.4		45.4	59.2
10	AGS 2055	SRWW	AgSouth Genetics				82.0	58.3
11	GO Wheat 2032	SRWW	Stratton Seed				76.8	59.2
12	AGS 2024	SRWW	AgSouth Genetics				72.9	59.4
13	Progeny #FURY (PGX16-1)**	SRWW	Progeny Seed				70.9	59.3
14	LA14066DH-64*	SRWW	LSU				69.8	57.2
15	LA14066DH-88*	SRWW	LSU				64.4	56.8
16	TX13M5625*	HRWW	TAMU				60.1	57.7
17	USG 3120	SRWW	UniSouth Genetics				59.5	58.6
18	AGS 2038	SRWW	AgSouth Genetics				58.7	58.7
19	Dyna-Gro Savoy**	SRWW	Dyna-Gro				57.9	58.5
20	GO Wheat LA754	SRWW	Stratton Seed				56.7	57.3
21	TAM 304 (Small Seed Size)	HRWW	Scott Seed				56.2	56.8
22	TAM 205 (TX12V7415)	HRWW	TAMU				55.5	59.9
23	CP7010 (CPX79-10)	HRWW	Croplan				52.1	59.7
24	TAM 304 (Large Seed Size)	HRWW	Scott Seed				51.8	56.3
25	TX-EL2*	SRWW	TAMU				45.5	54.7
26	Smith's Gold	HRWW	OSU				44.6	56.0
27	WB 4269	HRWW	Westbred				44.3	57.1
28	CP7909	HRWW	Croplan				30.0	53.3
29	AGS 3000	SRWW	AgSouth Genetics				28.8	56.0
30	CP7869	HRWW	Croplan				26.1	50.0
LSD (0.05)				4.0	5.1	4.6	8.8	1.5
CV (%)				13.2	14.7	12.7	10.3	1.6
Mean				34.5	33.2	29.7	52.1	56.7
								11.9

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2012, 2014, 2017, and 2019 data.

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



2019 Uniform Wheat Variety Trial: HRWW & SRWW, College Station, TX

Rank [†]	Variety	Class [¶]	Source	Yield (bu/a)			
				AVG	Fungicide [‡]	No Fungicide	Difference
1	AGS 2055	SRWW	AgSouth Genetics	84.9	87.9	82.0	5.9
2	GO Wheat 2032	SRWW	Stratton Seed	80.8	84.7	76.8	7.9
3	Progeny #FURY (PGX16-1)**	SRWW	Progeny Seed	79.0	87.1	70.9	16.2
4	AGS 2024	SRWW	AgSouth Genetics	78.5	84.0	72.9	11.2
5	LA14066DH-64*	SRWW	LSU	74.7	79.5	69.8	9.7
6	LA14066DH-88*	SRWW	LSU	68.7	73.1	64.4	8.7
7	USG 3120	SRWW	UniSouth Genetics	67.0	74.5	59.5	14.9
8	AGS 2038	SRWW	AgSouth Genetics	65.8	72.9	58.7	14.2
9	GO Wheat LA754	SRWW	Stratton Seed	65.8	74.8	56.7	18.1
10	TX13M5625*	HRWW	TAMU	65.4	70.7	60.1	10.6
11	Dyna-Gro Savoy**	SRWW	Dyna-Gro	63.3	68.6	57.9	10.7
12	CP7010 (CPX79-10)	HRWW	Croplan	63.1	74.2	52.1	22.1
13	TAM 304 (Small Seed Size)	HRWW	Scott Seed	63.0	69.9	56.2	13.7
14	WB Cedar	HRWW	Westbred	62.6	69.3	55.9	13.4
15	TAM 304 (Large Seed Size)	HRWW	Scott Seed	61.8	71.8	51.8	20.0
16	TAM 205 (TX12V7415)	HRWW	TAMU	59.9	64.4	55.5	8.9
17	TAM 304 (Medium Seed Size)	HRWW	Scott Seed	58.9	59.1	58.6	0.5
18	Gallagher	HRWW	OSU	58.0	63.5	52.5	11.0
19	WB 4303	HRWW	Westbred	57.8	64.3	51.4	12.9
20	TX-EL2*	SRWW	TAMU	57.1	68.8	45.5	23.3
21	Greer	HRWW	Syngenta	54.5	65.2	43.7	21.5
22	WB 4269	HRWW	Westbred	54.2	64.0	44.3	19.6
23	TAM 115 (TX11A001295)	HRWW	TAMU	54.0	62.5	45.4	17.2
24	Smith's Gold	HRWW	OSU	51.5	58.4	44.6	13.8
25	TAM 401**	HRWW	TAMU	44.9	46.0	43.8	2.2
26	CP7909	HRWW	Croplan	42.2	54.4	30.0	24.4
27	CP7869	HRWW	Croplan	36.5	46.8	26.1	20.7
28	AGS 3000	SRWW	AgSouth Genetics	34.1	39.4	28.8	10.7
29	TAM 204**	HRWW	Watley Seed	27.1	31.3	22.9	8.4
30	TAM W-101	HRWW	TAMU	27.1	30.5	23.7	6.8
LSD (0.05)				6.7	10.4	8.8	--
CV (%)				10.0	9.7	10.3	--
Mean				58.7	65.4	52.1	13.3

*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 April 2, 2019.

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



2019 Uniform Wheat Variety Trial: HRWW & SRWW, Uvalde, TX

Rank [†]	Variety	Class [¶]	Source	Yield (bu/a)			Test Wt (lb/bu)	Protein (%)
				4-Year [‡]	3-Year	2-Year		
1	Greer	HRWW	Syngenta	64.1	55.1	68.2	75.1	54.4
2	TAM 304 (Medium Seed Size)	HRWW	Scott Seed	60.8	57.6	65.2	70.0	57.2
3	TAM 401**	HRWW	TAMU	56.4	50.5	55.0	54.7	54.6
4	Gallagher	HRWW	OSU	55.3	53.6	54.3	47.9	57.7
5	TAM 204**	HRWW	Watley Seed	50.6	44.5	50.0	39.1	54.3
6	WB Cedar	HRWW	Westbred	48.0	42.3	60.1	57.2	57.1
7	TAM W-101	HRWW	TAMU	36.7	35.0	49.3	54.4	54.8
8	WB 4303	HRWW	Westbred		47.1	55.7	60.3	54.3
9	TAM 115 (TX11A001295)	HRWW	TAMU	40.8	61.2	56.5	58.6	12.8
10	LA14066DH-88*	SRWW	LSU		81.9	95.4	56.4	11.7
11	GO Wheat 2032	SRWW	Stratton Seed		77.6	89.1	59.4	11.9
12	AGS 2024	SRWW	AgSouth Genetics		75.9	83.7	59.2	12.3
13	LA14066DH-64*	SRWW	LSU		75.8	86.0	57.9	11.4
14	TX-EL2*	SRWW	TAMU		74.2	77.5	56.7	11.3
15	AGS 2055	SRWW	AgSouth Genetics		74.0	79.5	57.5	12.2
16	USG 3120	SRWW	UniSouth Genetics		72.6	80.6	58.7	11.0
17	Progeny #FURY (PGX16-1)**	SRWW	Progeny Seed		72.5	74.5	55.8	11.8
18	TAM 205 (TX12V7415)	HRWW	TAMU		70.3	71.7	52.3	12.7
19	AGS 2038	SRWW	AgSouth Genetics		70.2	74.5	58.7	11.5
20	Dyna-Gro Savoy**	SRWW	Dyna-Gro		69.7	74.5	58.8	11.9
21	TX13M5625*	HRWW	TAMU		68.4	69.9	58.9	12.2
22	WB 4269	HRWW	Westbred		65.8	60.3	56.5	11.8
23	AGS 3000	SRWW	AgSouth Genetics		64.5	67.3	57.9	10.8
24	GO Wheat LA754	SRWW	Stratton Seed		60.6	61.1	57.5	11.6
25	TAM 304 (Large Seed Size)	HRWW	Scott Seed			67.4	57.9	12.9
26	Smith's Gold	HRWW	OSU			67.4	57.9	12.4
27	TAM 304 (Small Seed Size)	HRWW	Scott Seed			67.0	57.4	12.4
28	CP7869	HRWW	Croplan			66.1	46.2	13.2
29	CP7010 (CPX79-10)	HRWW	Croplan			55.1	58.4	11.7
30	CP7909	HRWW	Croplan			33.2	53.9	12.7
LSD (0.05)				4.8	4.7	7.5	11.6	2.5
CV (%)				10.9	10.3	9.7	10.4	2.7
Mean				53.2	47.5	66.4	67.2	56.6
12.1								

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2014, 2017, 2018, and 2019 data.

^{*}HRWW: Hard Red Winter Wheat; SRWW: Soft Red Winter Wheat



2019 Uniform Wheat Variety Trial: HRWW & SRWW, Wharton, TX

Rank [†]	Variety	Class [¶]	Source	Yield (bu/a)			Test Wt (lb/bu)	Protein (%)
				4-Year [‡]	3-Year	2-Year		
1	TAM 401**	HRWW	TAMU	34.3	30.7	25.3	28.1	49.6
2	Greer	HRWW	Syngenta	33.7	30.2	21.5	36.4	52.1
3	TAM 204**	HRWW	Watley Seed	21.5	14.2	9.0	13.5	44.4
4	WB Cedar	HRWW	Westbred	17.6	0.4	0.6	0.0	--
5	Gallagher	HRWW	OSU	16.2	1.8	2.7	0.0	--
6	TAM 304 (Medium Seed Size)	HRWW	Scott Seed	15.1	4.7	7.1	0.0	--
7	TAM W-101	HRWW	TAMU	11.1	0.6	1.0	0.0	--
8	WB 4303	HRWW	Westbred		28.8	25.7	39.2	51.7
9	TAM 115 (TX11A001295)	HRWW	TAMU			0.3	0.0	--
10	GO Wheat LA754	SRWW	Stratton Seed				46.7	52.6
11	Dyna-Gro Savoy**	SRWW	Dyna-Gro				46.4	54.5
12	AGS 2024	SRWW	AgSouth Genetics				45.1	53.6
13	USG 3120	SRWW	UniSouth Genetics				43.2	52.7
14	AGS 3000	SRWW	AgSouth Genetics				41.9	57.5
15	LA14066DH-64*	SRWW	LSU				41.5	55.0
16	AGS 2038	SRWW	AgSouth Genetics				40.8	51.4
17	GO Wheat 2032	SRWW	Stratton Seed				36.1	51.2
18	LA14066DH-88*	SRWW	LSU				35.8	56.3
19	TX13M5625*	HRWW	TAMU				32.3	48.5
20	WB 4269	HRWW	Westbred				27.6	52.9
21	TX-EL2*	SRWW	TAMU				27.4	50.5
22	AGS 2055	SRWW	AgSouth Genetics				0.0	--
23	CP7869	HRWW	Croplan				0.0	--
24	CP7909	HRWW	Croplan				0.0	--
25	CP7010 (CPX79-10)	HRWW	Croplan				0.0	--
26	Progeny #FURY (PGX16-1)**	SRWW	Progeny Seed				0.0	--
27	Smith's Gold	HRWW	OSU				0.0	--
28	TAM 205 (TX12V7415)	HRWW	TAMU				0.0	--
29	TAM 304 (Large Seed Size)	HRWW	Scott Seed				0.0	--
30	TAM 304 (Small Seed Size)	HRWW	Scott Seed				0.0	--
LSD (0.05)				3.5	3.5	4.6	9.4	3.2
CV (%)				19.5	25.5	36.7	15.4	3.6
Mean				21.5	14.1	10.5	19.4	52.2
								13.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2014, 2016, 2017, and 2019 data.

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

[§]Late planting in January led to vernalization issues in many entries; yields of zero were excluded from the 2019 data analysis.

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2019 Uniform Wheat Variety Trial: HRSW, South Texas Regional Summary

Rank[†]	Variety	Source	AVG	Yield (bu/a)					Test Wt	Protein
				Castro- ville	College Station	Corpus Christi	Uvalde	Wharton	2019	2019[§]
1	LCS Trigger (1.5 million seed/a)	Limagrain	56.4	74.2	55.4	29.3	72.3	62.2	58.2	13.4
2	LCS Trigger (1.0 million seed/a)	Limagrain	54.6	72.9	49.1	32.0	74.2	57.3	57.2	13.3
3	LCS Trigger (1.25 million seed/a)	Limagrain	53.8	70.8	52.4	28.7	71.0	57.4	57.5	13.2
4	LCS Trigger (1.75 million seed/a)	Limagrain	53.3	73.5	47.9	26.1	71.2	60.4	57.4	13.2
5	Expresso (1.5 million seed/a)	Westbred	53.1	71.0	52.2	37.4	55.9	56.0	56.9	15.5
6	WB9350	Westbred	52.4	56.4	44.8	46.6	62.9	56.3	52.6	14.3
7	TX17spCAS09*	TAMU	51.6	73.3	51.3	25.3	60.0	58.4	55.3	13.1
8	WB9518	Westbred	51.1	63.8	54.4	30.5	58.0	55.5	56.2	15.6
9	Expresso (1.75 million seed/a)	Westbred	50.9	73.3	53.0	29.9	52.7	53.9	57.0	15.5
10	LCS Trigger (750,000 seed/a)	Limagrain	50.7	73.5	47.3	27.4	58.2	57.4	57.3	13.3
11	WB9411	Westbred	49.7	61.5	44.0	36.6	48.3	57.1	55.9	14.2
12	Expresso (1.25 million seed/a)	Westbred	48.9	67.4	49.9	28.0	53.2	53.6	57.0	15.3
13	TX17spCAS11*	TAMU	48.5	70.0	45.1	36.5	30.2	58.0	56.7	13.6
14	WB9662	Westbred	48.1	69.7	48.3	25.8	42.3	59.8	56.9	15.2
15	LCS Trigger (500,000 seed/a)	Limagrain	47.2	71.8	43.7	26.1	48.1	54.6	57.1	13.4
16	Expresso (500,000 seed/a)	Westbred	47.0	58.1	45.3	31.8	59.4	48.0	55.9	15.6
17	TAMSpr801	TAMU	44.3	74.0	29.8	25.0	36.4	63.6	57.2	13.7
18	Expresso (1.0 million seed/a)	Westbred	44.0	65.9	42.4	25.6	37.1	53.9	56.3	15.3
19	WB9668	Westbred	43.8	51.2	44.2	27.9	49.6	50.3	56.2	15.4
20	Expresso (750,000 seed/a)	Westbred	43.5	64.8	41.1	26.8	41.9	49.7	56.3	15.5
21	TX17spCAS12*	TAMU	39.8	50.9	30.6	24.7	56.5	51.1	54.9	13.8
22	TX17spCAS10*	TAMU	37.6	55.2	40.4	20.7	30.0	44.9	57.5	14.4
LSD (0.05)			4.4	9.6	9.8	7.4	15.5	9.6	0.9	0.3
CV (%)			11.5	7.0	12.9	15.5	13.7	10.5	1.7	2.3
Mean			48.7	66.5	46.0	29.2	53.1	55.4	56.5	14.4

*Experimental breeding line.

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

[§]Protein data collected and averaged across Castroville, Uvalde and Wharton only.



2019 HRSW Variety Trial: Castroville, TX

Rank [†]	Variety	Source	Yield (bu/a)		Test Wt	Protein
			3-Year [‡]	2-Year	2019	2019
1	LCS Trigger (750,000 seed/a)	Limagrain	50.4	56.4	73.5	58.8
2	TAMSPr801	TAMU	46.9	52.4	74.0	59.0
3	WB9518	Westbred	44.5	48.9	63.8	58.3
4	Expresso (750,000 seed/a)	Westbred	43.7	47.2	64.8	59.1
5	WB9411	Westbred	36.7	40.4	61.5	57.6
6	LCS Trigger (1.75 million seed/a)	Limagrain		67.1	73.5	58.5
7	LCS Trigger (1.0 million seed/a)	Limagrain		61.4	72.9	58.8
8	LCS Trigger (1.5 million seed/a)	Limagrain		60.3	74.2	58.9
9	Expresso (1.5 million seed/a)	Westbred		58.2	71.0	59.3
10	LCS Trigger (1.25 million seed/a)	Limagrain		56.5	70.8	58.6
11	LCS Trigger (500,000 seed/a)	Limagrain		56.1	71.8	58.4
12	Expresso (1.75 million seed/a)	Westbred		56.0	73.3	58.9
13	TX17spCAS09*	TAMU	55.5	73.3	58.6	12.5
14	WB9662	Westbred	50.4	69.7	58.9	14.4
15	Expresso (1.25 million seed/a)	Westbred	50.3	67.4	59.0	15.0
16	TX17spCAS12*	TAMU	47.1	50.9	56.6	13.1
17	Expresso (1.0 million seed/a)	Westbred	45.1	65.9	58.9	15.1
18	Expresso (500,000 seed/a)	Westbred	41.5	58.1	58.1	15.2
19	WB9668	Westbred		39.1	51.2	58.0
20	TX17spCAS11*	TAMU			70.0	58.2
21	WB9350	Westbred			56.4	54.9
22	TX17spCAS10*	TAMU			55.2	58.5
LSD (0.05)			7.9	8.1	9.6	1.0
CV (%)			15.6	12.1	7.0	0.8
Mean			44.4	52.2	66.5	58.3
						13.9

*Experimental breeding line.

[†]Varieties ranked according to 3-year, 2-year, then 2019 yield averages.

[‡]3-year average based on 2017, 2018 and 2019 data.



2019 HRSW Variety Trial: College Station, TX

Rank [†]	Variety	Source	Yield (bu/a)		Test Wt (lb/bu)
			2-Year [‡]	2019	
1	LCS Trigger (1.25 million seed/a)	Limagrain	62.4	52.4	59.0
2	LCS Trigger (1.0 million seed/a)	Limagrain	61.0	49.1	58.5
3	LCS Trigger (1.5 million seed/a)	Limagrain	60.2	55.4	60.3
4	LCS Trigger (1.75 million seed/a)	Limagrain	59.6	47.9	58.9
5	TX17spCAS09*	TAMU	54.4	51.3	54.8
6	LCS Trigger (750,000 seed/a)	Limagrain	53.8	47.3	58.7
7	Expresso (1.75 million seed/a)	Westbred	53.5	53.0	58.9
8	Expresso (1.5 million seed/a)	Westbred	52.4	52.2	58.0
9	LCS Trigger (500,000 seed/a)	Limagrain	50.3	43.7	57.5
10	Expresso (1.0 million seed/a)	Westbred	49.7	42.4	56.8
11	WB9662	Westbred	49.6	48.3	57.5
12	Expresso (1.25 million seed/a)	Westbred	48.0	49.9	58.9
13	Expresso (500,000 seed/a)	Westbred	47.7	45.3	56.3
14	WB9668	Westbred	47.5	44.2	56.6
15	TAMSpr801	TAMU	46.9	29.8	--
16	Expresso (750,000 seed/a)	Westbred	46.4	41.1	57.8
17	WB9411	Westbred	45.4	44.0	56.3
18	WB9518	Westbred	42.6	54.4	57.5
19	TX17spCAS12*	TAMU	39.3	30.6	--
20	TX17spCAS11*	TAMU		45.1	58.6
21	WB9350	Westbred		44.8	52.8
22	TX17spCAS10*	TAMU		40.4	59.9
LSD (0.05)			8.2	9.8	1.6
CV (%)			13.9	12.9	1.6
Mean			51.1	46.0	57.7

*Experimental breeding line.

[†]Varieties ranked according to 2-year, then 2019 yield averages.

[‡]2-year average based on 2018 and 2019 data.



2019 HRSW Variety Trial: Corpus Christi, TX

Rank	Variety	Source	Yield [†] (bu/a)
			2019
1	WB9350	Westbred	46.6
2	Expresso (1.5 million seed/a)	Westbred	37.4
3	WB9411	Westbred	36.6
4	TX17spCAS11*	TAMU	36.5
5	LCS Trigger (1.0 million seed/a)	Limagrain	32.0
6	Expresso (500,000 seed/a)	Westbred	31.8
7	WB9518	Westbred	30.5
8	Expresso (1.75 million seed/a)	Westbred	29.9
9	LCS Trigger (1.5 million seed/a)	Limagrain	29.3
10	LCS Trigger (1.25 million seed/a)	Limagrain	28.7
11	Expresso (1.25 million seed/a)	Westbred	28.0
12	WB9668	Westbred	27.9
13	LCS Trigger (750,000 seed/a)	Limagrain	27.4
14	Expresso (750,000 seed/a)	Westbred	26.8
15	LCS Trigger (500,000 seed/a)	Limagrain	26.1
16	LCS Trigger (1.75 million seed/a)	Limagrain	26.1
17	WB9662	Westbred	25.8
18	Expresso (1.0 million seed/a)	Westbred	25.6
19	TX17spCAS09*	TAMU	25.3
20	TAMSpr801	TAMU	25.0
21	TX17spCAS12*	TAMU	24.7
22	TX17spCAS10*	TAMU	20.7
LSD (0.05)			7.4
CV (%)			15.5
Mean			29.2

*Experimental breeding line.

[†]Test weight data unreliable and not shown due to high moisture at harvest



2019 HRSW Variety Trial: Uvalde, TX

Rank [†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)	Protein (%)	Lodge (0-9 scale)
			4-Year [‡]	3-Year	2-Year			
1	LCS Trigger (750,000 seed/a)	Limagrain	57.4	51.4	52.1	58.2	55.5	12.9
2	WB9518	Westbred	49.4	45.4	50.6	58.0	55.7	14.8
3	Expresso (750,000 seed/a)	Westbred	47.4	42.7	42.9	41.9	55.3	15.1
4	TAMSpr801	TAMU	43.5	36.3	39.2	36.4	57.3	13.7
5	WB9411	Westbred	43.1	37.0	39.5	48.3	54.8	13.7
6	LCS Trigger (1.5 million seed/a)	Limagrain			60.3	72.3	56.6	12.8
7	LCS Trigger (1.75 million seed/a)	Limagrain			59.0	71.2	56.6	12.9
8	LCS Trigger (1.25 million seed/a)	Limagrain			58.3	71.0	55.6	12.7
9	LCS Trigger (1.0 million seed/a)	Limagrain			54.7	74.2	56.2	13.0
10	Expresso (1.5 million seed/a)	Westbred			50.7	55.9	55.6	14.7
11	Expresso (1.75 million seed/a)	Westbred			48.0	52.7	56.4	14.8
12	TX17spCAS12*	TAMU			47.3	56.5	53.8	13.5
13	Expresso (500,000 seed/a)	Westbred			46.2	59.4	56.2	15.1
14	WB9668	Westbred			43.6	49.6	55.3	14.2
15	Expresso (1.25 million seed/a)	Westbred			41.4	53.2	55.2	15.1
16	WB9662	Westbred			39.1	42.3	56.3	14.6
17	Expresso (1.0 million seed/a)	Westbred			38.6	37.1	55.3	15.0
18	LCS Trigger (500,000 seed/a)	Limagrain			38.6	48.1	56.7	12.6
19	WB9350	Westbred				62.9	50.3	13.3
20	TX17spCAS09*	TAMU				60.0	53.5	12.7
21	TX17spCAS11*	TAMU				30.2	55.6	13.4
22	TX17spCAS10*	TAMU				30.0	55.1	14.0
LSD (0.05)			5.8	5.4	9.4	15.5	1.6	0.7
CV (%)			13.8	12.2	13.6	13.7	1.4	2.4
Mean			48.2	42.6	47.2	53.1	55.4	13.8

*Experimental breeding line.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2019 yield averages.

[‡]4-year average based on 2016, 2017, 2018 and 2019 data.



2019 HRSW Variety Trial: Wharton, TX

Rank[†]	Variety	Source	Yield[‡] (bu/a)			Test Wt	Protein
			3-year[‡]	2-Year	2019	2019	2019
1	LCS Trigger (1.25 million seed/a)	Limagrain	46.7	39.3	57.4	56.4	13.7
2	TAMSPr801	TAMU	45.9	39.7	63.6	55.9	14.0
3	WB9518	Westbred	40.5	33.6	55.5	53.8	16.3
4	Expresso (1.25 million seed/a)	Westbred	38.8	35.3	53.6	55.1	15.8
5	WB9411	Westbred	35.8	30.6	57.1	55.0	15.1
6	WB9350	Westbred		26.4	56.3	52.4	15.1
7	LCS Trigger (1.5 million seed/a)	Limagrain			62.2	56.6	14.1
8	LCS Trigger (1.75 million seed/a)	Limagrain			60.4	55.8	13.6
9	WB9662	Westbred			59.8	55.3	16.2
10	TX17spCAS09*	TAMU			58.4	54.8	13.7
11	TX17spCAS11*	TAMU			58.0	55.1	14.1
12	LCS Trigger (750,000 seed/a)	Limagrain			57.4	56.1	13.8
13	LCS Trigger (1.0 million seed/a)	Limagrain			57.3	55.4	13.8
14	Expresso (1.5 million seed/a)	Westbred			56.0	55.1	16.2
15	LCS Trigger (500,000 seed/a)	Limagrain			54.6	56.2	14.2
16	Expresso (1.0 million seed/a)	Westbred			53.9	54.7	15.6
17	Expresso (1.75 million seed/a)	Westbred			53.9	54.4	16.2
18	TX17spCAS12*	TAMU			51.1	54.5	14.4
19	WB9668	Westbred			50.3	55.0	16.3
20	Expresso (750,000 seed/a)	Westbred			49.7	54.3	16.1
21	Expresso (500,000 seed/a)	Westbred			48.0	53.9	16.3
22	TX17spCAS10*	TAMU			44.9	56.9	15.0
LSD (0.05)			4.5	5.2	9.6	1.9	0.6
CV (%)			11.6	13.6	10.5	2.1	2.4
Mean			41.5	34.0	55.4	55.1	15.0

*Experimental breeding line.

[†]Varieties ranked according to 3-year, 2-year, then 2019 yield averages.

[‡]3-year average based on 2016, 2017, and 2019 data.

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2019-20 Wheat Variety Distributor List[§]

Variety	Seed			Address	Phone Number
	Class^T	Type^T	Distributor		
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
Deliver ²	HRWW	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	Warner 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 Ackery 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, Melvin, 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 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	R	3-B Farms	2009 Ute Trail, Dalhart	(806) 377-6176
		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
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	Kimrell Partners, LLC	PO Box 888, Sunray, TX 79086	(806) 922-3276
		C,R	Loveland Products, inc./ Dyna-Gro	-	-
SY Rugged ²	HRWW	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 Southwind 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 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

2019-20 Wheat Variety Distributor List CONTINUED

Variety	Class ^T	Seed Type ^T	Distributor	Address	Phone Number
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
		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	Kimrell Partners, LLC	PO Box 888, Sunray, TX 79086	(806) 922-3276
		C	Muleshoe Ag Services	Box 381, Henrietta, TX 76365	(940) 529-6500
		C	Scott Seed Co.	Box 1732, Hereford, TX 79045	(806) 364-3484
TAM 114 ²	HRWW	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
		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
TAM 204 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
		C	Ward Seed, Gayland	US Hwy. 60, Hereford, TX 79045	(806) 258-7394
		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
		F	Texas Ag Exp Station	11914 Hwy. 70, Vernon, TX 76384	(940) 552-6226
TAM 401 ²	HRWW	C	West Gaines Seed, Inc.	Box 1020, Seminole	(432) 758-3628
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	-	-
WB4303	HRWW	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
WB4418	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
WB4458 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
		F	Monsanto	11613 N I-27 Hwy, Lubbock, TX 79403	(806) 724-3500
		C	Parker Farms	Box 749, Munday, TX 76371	(940) 422-4577
WB9518	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	Kimrell Partners, LLC	PO Box 888, Sunray, TX 79086	(806) 922-3276
		C	Kimrell 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 **Pantent Protected**.

^T 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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