

2022-2023 Pick's and Watch List for Texas Rolling Plains

Picks Grain only

	Pick's list (Leaf rust/Stripe rust)	Release	3-yr Avg. bu/ac	2022 average
1	WB 4792	Westbred	43.3	24.3
2	TAM 205	TAMU	41.5	21.0
3	TAM 115	TAMU	40.6	24.6
4	WB 4595	Westbred	40.3	20.6
5	Bob Dole	Syngenta	39.2	20.7
Test average			39.2	21.4

Dual-purpose

	Pick's list	Source	Forage DM 3-yr % of test average	Grain 3-yr % of test average	Forage			Grain		
					2022	2021	2020	2021	2020	2019
1	WB 4792	Westbred	102%	122%	102%	105%	98%	126%	124%	117%
2	WB 4595	Westbred	106%	130%	131%	102%	84%	122%	115%	152%
3	Green Hammer	Oklahoma	125%	103%	131%	128%	116%	104%	96%	109%
4	TAM 114	TAMU	100%	98%	74%	108%	118%	117%	83%	94%
Test Average			2061	36.0	2388	1878	1917	39.0	39.0	28.8
			lb/ac	bu/ac	lb/ac	lb/ac	lb/ac	bu/ac	bu/ac	bu/ac

Data for the Forage DM 3-yr are averaged over 2020-2022

Data for the grain yield 3-yr is averaged over 2019-2021. Grain yield data are not available for 2022 due to the drought.

Wheat variety height

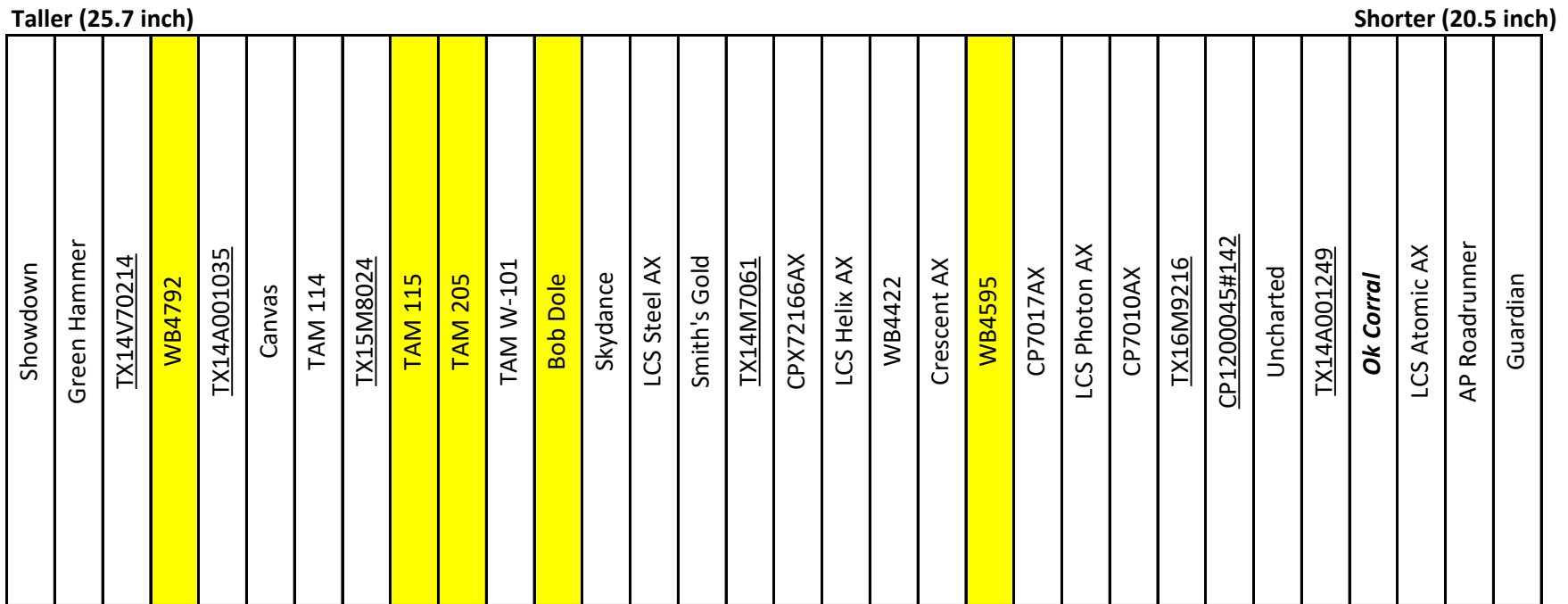


Figure 1. Relative height for varieties in 2021-2022 wheat trial.

Note:

Height data were obtained at the end of season in Chillicothe, TX.

Please refer yield tables for specific height in inch. Varieties are placed in order of relative height.

Actual height can vary widely depending on the moisture status and fertility management; however, the relative height should be close to the above figure.

Variety name with underline is an experimental line

Italicized variety names are awnless varieties

Picks' list for 2022-2023 grain production is highlighted with yellow



**2021-2022 Texas Rolling Plains
Uniform Variety Trial**

2021-2022 Uniform Wheat Variety Trial: HRWW, Chillicothe, TX

Rank	Variety	Source	Height (Inch)	Stripe (0-5)	Leaf (0-5)	Yield (bu/a)	Test Wt (lb/bu)
1	Canvas	PlainsGold	24.0	0.0	0.0	26.2	60.0
2	TX15M8024	TAMU	23.7	0.0	0.0	25.1	58.2
3	<u>TAM 115</u>	TAMU	23.7	0.0	0.0	24.6	61.5
4	TX14V70214	TAMU	25.3	0.0	0.0	24.5	55.6
5	<u>WB4792</u>	Westbred	25.0	0.0	0.0	24.3	61.7
6	Showdown	OSU	25.7	0.0	0.0	24.0	57.2
7	LCS Helix AX	Limagrain	22.7	0.0	0.0	23.8	58.9
8	<u>Green Hammer</u>	OSU	25.7	0.0	0.0	23.3	59.0
9	CP1200045#142	WinField	22.0	0.0	0.0	23.2	57.4
10	WB4422	Westbred	22.7	0.0	0.0	23.1	59.1
11	LCS Atomic AX	Limagrain	21.3	0.0	0.0	22.7	58.7
12	LCS Steel AX	Limagrain	23.0	0.0	0.0	22.6	57.4
13	CP7017AX	WinField	22.3	0.0	0.0	22.6	58.0
14	LCS Photon AX	Limagrain	22.3	0.0	0.0	22.0	59.6
15	Smith's Gold	OSU	23.0	0.0	0.0	21.8	59.6
16	TX14M7061	TAMU	23.0	0.0	0.0	21.7	58.0
17	Crescent AX	Limagrain	22.7	0.0	0.0	21.6	58.2
18	<u>TAM 205</u>	TAMU	23.7	0.0	0.0	21.0	60.8
19	TAM W-101	TAMU	23.3	0.0	0.0	20.9	58.0
20	AP Roadrunner	Syngenta	21.3	0.0	0.0	20.9	57.6
21	Bob Dole	Syngenta	23.3	0.0	0.0	20.7	56.5
22	<u>WB4595</u>	Westbred	22.7	0.0	0.0	20.6	62.0
23	CPX72166AX	WinField	23.0	0.0	0.0	20.4	59.3
24	CP7010AX	WinField	22.3	0.0	0.0	20.2	62.5
25	Guardian	PlainsGold	20.5	0.0	0.0	20.2	59.1
26	TX14A001035	TAMU	24.3	0.0	0.0	20.0	59.1
27	TX16M9216	TAMU	22.3	0.0	0.0	18.9	58.2
28	Uncharted	OSU	22.0	0.0	0.0	18.7	58.9
29	TX14A001249	TAMU	21.7	0.0	0.0	18.4	59.5
30	TAM 114	TAMU	24.0	0.0	0.0	18.3	60.2
31	Skydance	OSU	23.3	0.0	0.0	17.5	61.3
32	Ok Corral	OSU	21.5	0.0	0.0	12.2	53.3
CV			-	-	-	27	-
Mean			23.0	0.0	0.0	21.4	58.9
p			-	NS	NS	NS	-

Variety name with underline is an experimental line

Italized variety names are awnless varieties

Picks' list for 2022-2023 is highlighted in yellow.

Grain yields were adjusted to 13% moisture

Planting: 11/15/2022

Harvesting:

N: 46# N at preplant and #92N on

October-April precipitation: 3.91 inch

Updated on 7/27/2022

Emi Kimura, Extension Agronomist, AgriLife Extension, Vernon, TX

2021-2022 Rolling Plains Dual-Purpose Variety Trial

Agronomic Information

County	Wilbarger
Cooperator	Bruce Gillis
County Extension Agents	Langdon Reagan
GPS	34.179296, -99.055502
Seeding rate	1.4 M seeds/ac
Planting	10/4/2021
Forage clipping 1	1/14/2022
Forage clipping 2	-
Grain harvest	-
Pre-plant N	-
Top-dressing	-
Precipitation (Oct-Apr)	6.05

Soil test results	Sampled on 9/17/2021
1:1 Soil pH	7.4
1:1 S Salts mmho/cm	0.23
Excess Lime	NONE
Texture No	2
Organic Matter LOI %	1.3
Nitrate-N ppm N	16
lbs N/A	38
Mehlich P-III ppm P	69
Potassium ppm K	292
Sulfate-S ppm S	7.1
Zinc ppm Zn	1.41
Iron ppm Fe	15.3
Manganese ppm Mn	7.4
Copper ppm Cu	0.68
Calcium ppm Ca	1362
Magnesium ppm Mg	233

Updated on 7/27/2022

Emi Kimura, Extension Agronomist, AgriLife Extension, Vernon, TX

2021-2022 Rolling Plains Dual-Purpose Variety Trial

2021-2022 Rolling Plains Dual-Purpose Trial: Wilbarger County (Due to the severe drought condition, grain was not harvested)

Variety	Source	Stripe rust	Leaf rust	Dual-purp. Forage ¹	Dual-purp. ²		Grain-only ²	TW ²	Protein ²
		0-5	0-5	lb/ac	bu/ac	bu/ac	lb/bu	%	
TAM304	TAMU	0	0	3320	-	-	-	-	-
Green Hammer	OSU	0	0	3117	-	-	-	-	-
Bob Dole	Syngenta	0	0	3040	-	-	-	-	-
TAM115	TAMU	0	0	2688	-	-	-	-	-
WB4595	Westbread	0	0	2557	-	-	-	-	-
CP1200045#142	WinField	0	0	2499	-	-	-	-	-
WB4792	Westbread	0	0	2424	-	-	-	-	-
WB4303	Westbread	0	0	2205	-	-	-	-	-
<i>HG9</i>	Chillicothe	0	0	2158	-	-	-	-	-
TAM205	TAMU	0	0	1850	-	-	-	-	-
AP Roadrunner	Syngenta	0	0	1825	-	-	-	-	-
TAM114	TAMU	0	0	1765	-	-	-	-	-
TAM204	TAMU	0	0	1593	-	-	-	-	-
Mean		0.0	0.0	2388	-	-	-	-	-
<i>P</i>		-	-	NS	-	-	-	-	-

Rust rating: 0 - no rust, 5-high infestation.

Italicized variety names are awnless varieties

¹Forage was clipped once in January

²Due to the drought condition throughout the growing season, grain was not harvested.

Picks' list for dual-purpuse use is highlighted in yellow.

Updated on 7/27/2022

Emi Kimura, Extension Agronomist, AgriLife Extension, Vernon, TX