

**2023 Texas A&M AgriLife High Plains Uniform Variety Trial Data**

Data will be compiled with other regions in the final state report at <http://varietytesting.tamu.edu/wheat>.

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**2023 Uniform Wheat Variety Trial: Hard Red Winter Wheat, High Plains Irrigated Annual Regional Summary**

Rank†	Variety	Source	Avg. Yield (bu/A)	Yield (bu/a)			Test Wt (lb/bu)
				Bushland	Dumas	Olton	
1	Monarch§	CSU	90.2	103.6	79.5	87.5	58.4
2	TAM 114	TAMU	89.7	100.7	89.9	78.5	59.4
3	TAM 205	TAMU	88.0	93.5	90.8	79.6	60.8
4	High Cotton (OK18510)	OSU	87.3	95.9	77.2	88.8	59.9
5	WB4422	Westbred	86.4	96.1	79.1	84.0	59.3
6	CP7017AX	Croplan	86.4	94.4	85.0	79.8	59.8
7	AP Prolific	Syngenta	86.2	99.5	83.5	75.7	59.4
8	LCS Julep	Limagrain	86.2	95.8	77.0	85.8	58.8
9	Showdown	OSU	86.2	97.4	75.9	85.2	58.5
10	OK15MASBx7ARS8-29	OSU	85.8	88.1	85.7	83.6	58.5
11	SY Wolverine	Syngenta	85.5	93.6	89.0	74.0	60.0
12	TX18A001119	TAMU	84.8	91.8	77.6	85.1	60.2
13	Guardian	CSU	83.7	90.5	80.7	80.0	58.9
14	TAM 116¶ (TX14A001035)	TAMU	83.6	91.8	78.9	80.2	59.6
15	TAM 115	TAMU	83.5	94.3	75.2	80.9	60.5
16	WB4792	Westbred	82.5	99.6	75.2	72.6	59.2
17	TX18A001132	TAMU	82.5	90.8	75.5	81.1	58.9
18	TAM 112	TAMU	81.7	91.0	79.7	74.3	60.0
19	Breakthrough	OSU	80.0	86.7	75.2	78.1	59.4
20	LCS Atomic AX	Limagrain	80.0	72.9	78.9	88.1	58.8
21	TX16M9216	TAMU	80.0	85.7	72.9	81.3	58.6
22	Kivari AX	CSU	79.9	91.7	70.9	77.1	58.3
23	Dyna-Gro 7322 (TX14V70214)¶**	Nutrien	79.2	91.5	74.4	71.8	58.2
24	Canvas	CSU	79.1	89.0	71.5	76.9	58.5
25	OK Corral**	OSU	78.5	89.4	67.7	78.3	56.2
26	AP EverRock	Syngenta	77.9	86.4	72.2	75.1	58.7
27	LCS Helix AX	Limagrain	77.5	78.0	81.2	73.3	59.4
28	TX15M8024	TAMU	76.8	85.2	73.7	71.6	58.3
29	TAM 204**	TAMU	74.9	85.2	73.3	66.2	56.4
30	LCS Steel AX	Limagrain	72.5	86.5	61.5	69.6	57.3
31	TAM W101‡	TAMU	71.8	87.1	75.7	52.7	58.4
<b>Coefficient of Variation (%CV)</b>			---	<b>8.3</b>	<b>6.2</b>	<b>13.6</b>	---
<b>Least Significant Diff. (LSD, 0.05)</b>			---	<b>10.5</b>	<b>5.5</b>	<b>10.0</b>	---
<b>Mean</b>			<b>82.2</b>	<b>91.1</b>	<b>77.6</b>	<b>78.0</b>	<b>58.9</b>

†Varieties ranked according to 3-location yield average.

\*\*Awnless variety.

§Hard white winter wheat.

‡Historical check (1970s).

¶New release, minimal seed available until fall 2024.

**2023 Uniform Wheat Variety Trial: Hard Red Winter Wheat, Bushland, TX (Irrigated) Multi-Year Summary**

Rank <sup>†</sup>	Variety	Source	Yield (bu/ac)				2023 Test Wt.
			4-Year	3-Year	2-Year	2023	(lb/bu)
1	WB4792	Westbred	95.1	94.2	81.8	99.6	58.3
2	CP7017AX	Croplan	87.2	87.1	79.6	94.4	61.1
3	TAM 116¶ (TX14A001035)	TAMU	87.1	84.1	73.8	91.8	59.8
4	TAM 114	TAMU	87.1	90.9	84.6	100.7	61.3
5	Canvas	CSU	85.8	83.2	75.7	89.0	59.0
6	TAM 115	TAMU	84.4	87.2	76.7	94.3	60.6
7	OK Corral**	OSU	83.6	83.2	74.7	89.4	55.5
8	SY Wolverine	Syngenta	83.5	82.5	70.0	93.6	61.1
9	Dyna-Gro 7322¶** (TX14V70214)	Nutrien	83.4	86.3	79.5	91.5	59.3
10	TAM 112	TAMU	80.5	79.2	69.4	91.0	61.3
11	Showdown	OSU	80.3	87.1	75.7	97.4	59.7
12	TAM 205	TAMU	80.3	81.8	71.5	93.5	62.3
13	TAM 204**	TAMU	76.3	75.5	66.6	85.2	55.7
14	TAM W-101‡	TAMU	64.4	64.6	62.9	87.1	59.4
15	AP EverRock	Syngenta		77.1	64.1	86.4	60.1
16	TX15M8024	TAMU		75.0	62.8	85.2	58.2
17	TX16M9216	TAMU		74.8	66.2	85.7	58.8
18	Monarch§	CSU			83.5	103.6	58.6
19	LCS Steel AX	Limagrain			77.5	86.5	58.8
20	WB4422	Westbred			75.0	96.1	59.6
21	LCS Helix AX	Limagrain			68.8	78.0	60.3
22	Breakthrough	OSU			68.7	86.7	60.5
23	LCS Atomic AX	Limagrain			66.4	72.9	59.6
24	AP Prolific	Syngenta				99.5	60.5
25	High Cotton (OK18510)	OSU				95.9	60.9
26	LCS Julep	Limagrain				95.8	58.2
27	TX18A001119	TAMU				91.8	60.7
28	Kivari AX	CSU				91.7	59.2
29	TX18A001132	TAMU				90.8	60.6
30	Guardian	CSU				90.5	58.5
31	OK15MASBx7ARS8-29	OSU				88.1	59.4
<b>Coefficient of Variation (%CV)</b>			<b>21.2</b>	<b>23.0</b>	<b>25.2</b>	<b>8.3</b>	<b>1.4</b>
<b>Least Significant Diff. (LSD, 0.05)</b>			<b>22.1</b>	<b>25.2</b>	<b>26.4</b>	<b>10.5</b>	<b>1.3</b>
<b>Mean</b>			<b>83.4</b>	<b>83.6</b>	<b>73.0</b>	<b>91.1</b>	<b>59.6</b>

†Varieties ranked according to 4-year, 3-year, 2-year, then 2023 yield averages.

\*\*Awnless variety.

‡Historical check (1970s)

§Hard white winter wheat.

¶New release, minimal seed available until fall 2024.

**2023 Uniform Wheat Variety Trial: Hard Red Winter Wheat, Dumas, TX (Irrigated) Multi-Year Summary**

Rank <sup>†</sup>	Variety	Source	Yield (bu/ac)				Test Wt. (lb/bu)
			4-Year	3-Year	2-Year	2023	2023
1	CP7017AX	Croplan	85.1	80.0	91.3	85.0	56.9
2	TAM 114	TAMU	83.8	76.7	88.9	89.9	55.5
3	TAM 205	TAMU	83.0	79.3	81.6	90.8	58.2
4	Canvas	CSU	80.6	76.4	83.0	71.5	55.1
5	SY Wolverine	Syngenta	79.7	75.7	90.7	89.0	57.7
6	WB4792	Westbred	78.4	72.8	80.2	75.2	56.7
7	TAM 116¶ (TX14A001035)	TAMU	77.3	71.7	83.1	78.9	57.1
8	TAM 115	TAMU	75.9	74.3	78.4	75.2	58.6
9	TAM 112	TAMU	74.6	73.9	82.7	79.7	58.0
10	Showdown	OSU	73.2	71.5	81.9	75.9	55.1
11	OK Corral**	OSU	72.4	65.3	73.7	67.7	54.3
12	TAM 204**	TAMU	71.9	66.0	75.4	73.3	53.7
13	TAM W-101‡	TAMU	71.6	65.1	77.5	75.7	56.2
14	Dyna-Gro7322¶** (TX14V70214)	Nutrien	70.4	62.8	76.0	74.4	54.6
15	TX16M9216	TAMU		64.4	81.7	72.9	55.7
16	AP EverRock	Syngenta		64.1	72.8	72.2	55.5
17	TX15M8024	TAMU		61.0	70.6	73.7	56.0
18	LCS Helix AX	Limagrain			88.7	81.2	56.8
19	Monarch§	CSU			86.2	79.5	56.3
20	WB4422	Westbred			83.8	79.1	56.7
21	LCS Atomic AX	Limagrain			81.5	78.9	56.2
22	Breakthrough	OSU			80.2	75.2	56.7
23	LCS Steel AX	Limagrain			77.7	61.5	53.7
24	OK15MASBx7ARS8-29	OSU				85.7	54.8
25	AP Prolific	Syngenta				83.5	56.5
26	Guardian	CSU				80.7	57.0
27	TX18A001119	TAMU				77.6	57.6
28	High Cotton (OK18510)	OSU				77.2	57.3
29	LCS Julep	Limagrain				77.0	56.3
30	TX18A001132	TAMU				75.5	56.0
31	Kivari AX	CSU				70.9	55.1
<b>Coefficient of Variation (%CV)</b>			<b>19.4</b>	<b>21.2</b>	<b>10.0</b>	<b>6.2</b>	<b>1.0</b>
<b>Least Significant Diff. (LSD, 0.05)</b>			<b>19.5</b>	<b>21.0</b>	<b>11.0</b>	<b>5.5</b>	<b>1.0</b>
<b>Mean</b>			<b>77.0</b>	<b>71.2</b>	<b>80.2</b>	<b>77.6</b>	<b>56.2</b>

†Varieties ranked according to 4-year, 3-year, 2-year, then 2023 yield averages.

\*\*Awnless variety.

‡Historical check (1970s)

§Hard white winter wheat.

¶New release, minimal seed available until fall 2024.

**2023 Uniform Wheat Variety Trial: HRWW, Olton, TX (Irrigated) Multi-Year Summary**

Rank†	Variety	Developer/ Marketer	2-Year: 2021 & 2023			2023		
			Avg Yield (bu/A)	Avg Test (lbs./bu)	Avg Height (inches)	Yield (bu/A)	Test Wt (lb/bu)	Height (inches)
1	Showdown	OSU	82.0	57.4	31	85.2	60.6	36
2	AP Roadrunner	Syngenta	80.1	57.0	31	85.4	60.5	33
3	TAM 115	TAMU / Watley	80.0	59.8	30	80.9	62.2	34
4	TAM 205	TAMU / Adaptive	79.0	59.5	31	79.6	61.9	33
5	TX16M9216	TAMU	78.2	58.0	32	81.3	61.3	35
6	Kivari AX	CSU	77.8	57.4	30	77.1	60.5	33
7	TAM 116¶ (TX14A001035)	TAMU / Adaptive	76.8	59.0	28	80.2	61.9	31
8	Breakthrough	OSU	74.5	58.4	28	78.1	61.1	32
9	AP EverRock	Syngenta	74.4	57.0	27	75.1	60.6	28
10	TAM 114	TAMU / Adaptive	74.3	58.3	29	78.5	61.3	33
11	Guardian	CSU	74.1	58.4	31	80.0	61.0	33
12	SY Wolverine	Syngenta	73.8	57.6	29	74.0	61.2	30
13	WB4792	WestBred	73.1	59.7	29	72.6	62.7	33
14	OK Corral**	OSU	72.1	56.1	30	78.3	58.7	33
15	CP7017AX	Croplan	71.5	57.7	29	79.8	61.4	31
16	TAM 112	TAMU / Watley	70.8	58.3	29	74.3	60.9	31
17	Canvas	CSU	70.3	58.4	30	76.9	61.2	32
18	TX15M8024	TAMU	68.6	57.4	32	71.6	60.6	35
19	Dyna-Gro 7322**¶ (TX14V70214)	TAMU / JoMar	67.2	57.2	30	71.8	60.7	33
20	TAM 204**	TAMU / Watley	61.5	56.5	30	66.2	59.7	32
21	TAM W-101‡	TAMU	56.2	57.1	28	52.7	59.6	30
22	High Cotton (OK18510)	OSU				88.8	61.5	36
23	LCS Atomic AX	LimaGrain				88.1	60.5	32
24	Monarch§	CSU				87.5	60.3	29
25	LCS Julep	LimaGrain				85.8	61.7	35
26	TX18A001119	TAMU				85.1	62.5	32
27	WB4422	Westbred				84.0	61.6	33
28	OK15MASBx7ARS8-29	OSU				83.6	61.3	34
29	TX18A001132	TAMU				81.1	60.1	32
30	AP Prolific	Syngenta				75.7	61.2	35
31	LCS Helix AX	LimaGrain				73.3	60.9	32
32	LCS Steel AX	LimaGrain				69.6	59.4	35
<b>Coefficient of Variation (%CV)</b>			---	---	---	<b>13.6</b>	<b>1.7</b>	<b>2.6</b>
<b>Least Significant Diff. (LSD, 0.05)</b>			---	---	---	<b>10.5</b>	<b>0.8</b>	<b>2.2</b>
<b>Mean</b>			<b>73.2</b>	<b>57.9</b>	<b>30</b>	<b>78.2</b>	<b>60.9</b>	<b>31</b>

†Varieties ranked according to 2-year then 2023 yield average.

\*\*Awnless variety.

‡Historical check (1970s)

§Hard white winter wheat.

¶New release, minimal seed available until fall 2024.

**2023 Uniform Wheat Variety Trial: HRWW, Groom, TX (Dryland) Multi-Year Summary**

Rank <sup>†</sup>	Variety	Source	Yield (bu/ac)			Test Wt. (lb/bu)
			3-Year 2020 2021 2023	2-Year 2021 2023	2023	2023
1	TAM 115	TAMU	63.8	75.5	64.7	60.5
2	WB4792	Westbred	63.8	72.1	58.6	59.5
3	Canvas	CSU	61.8	72.0	60.3	59.0
4	TAM 116¶ (TX14A001035)	TAMU	61.7	69.6	59.0	58.5
5	TAM 205	TAMU	59.3	67.7	50.6	58.3
6	TAM 204**	TAMU	58.9	67.3	51.0	57.5
7	Dyna-Gro7322¶** (TX14V70214)	Nutrien	58.5	65.0	51.3	58.0
8	Showdown	OSU	56.7	66.3	53.3	57.5
9	TAM 112	TAMU	56.1	63.4	52.9	57.9
10	TAM 114	TAMU	53.7	60.3	50.0	58.2
11	TAM W-101‡	TAMU	46.9	53.3	46.7	56.0
12	Guardian	CSU		68.6	59.1	58.4
13	OK Corral**	OSU		66.3	55.6	57.5
14	TX15M8024	TAMU		62.5	53.9	57.5
15	TX16M9216	TAMU		60.2	49.1	58.6
16	LCS Julep	Limagrain			69.0	58.3
18	Kivari AX	CSU			63.1	58.2
18	SY Wolverine	Syngenta			58.8	57.4
19	TX18A001119	TAMU			57.8	59.9
20	TX18A001132	TAMU			54.8	58.0
21	OK15MASBx7ARS8-29	OSU			54.3	57.9
22	WB4422	Westbred			53.8	59.2
23	High Cotton (OK18510)	OSU			53.4	58.3
24	Breakthrough	OSU			50.6	58.0
25	LCS Atomic AX	Limagrain			39.1	56.8
26	LCS Helix AX	Limagrain			38.1	56.3
27	LCS Photon AX	Limagrain			30.9	55.7
28	LCS Steel AX	Limagrain			\$.	,
<b>Coefficient of Variation (%CV)</b>			<b>25.9</b>	<b>18.6</b>	<b>6.2</b>	<b>1.0</b>
<b>Least Significant Diff. (LSD, 0.05)</b>			<b>6.5</b>	<b>17.7</b>	<b>5.5</b>	<b>1.0</b>
<b>Mean</b>			<b>59.6</b>	<b>66.0</b>	<b>53.3</b>	<b>58.0</b>

†Varieties ranked according to 3-year, 2-year then 2023 yield average.

\*\*Awnless variety.

¶New release, minimal seed available until fall 2024.

‡Historical check (1970s).

§Bad grain shatter due to delayed harvest. The field average harvest moisture was 13.8%.