

# Texas Locations Agronomic Data

## Rolling Plains: 2023

Location <sup>1</sup>	Cooperator(s)	Yield limiting issues	Planting date	Fertilizer (Total lb N/ac)	Seeding Rate	Pesticide applied (date)
<b>Chillicothe</b>	Chillicothe Research Station	Winter drought	11/10/2022	52	650K Seed/ac	--
<b>Munday</b>	Mike Urbanzck	ABANDONED Drought	11/8/2022	110	650K Seed/ac	15oz/ac Axial Bold, 3.2 oz/ac Liberate, 0.1 oz/ac Generic Ally, and 8 oz/ac Salvo

<sup>1</sup>All locations were planted to 7" row spacing and were conventionally tilled EXCEPT for Munday, no-tilled.

**2023 Uniform Wheat Variety Trial: HRWW, Chillicothe, TX**

	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)
			4YR	3YR	2YR	2023	2023
1	WB4792	Westbred	<b>50.63</b>	<b>47.68</b>	<b>48.38</b>	<b>37.80</b>	<b>63.87</b>
2	Bob Dole	Syngenta	<b>48.86</b>	<b>46.05</b>	<b>47.35</b>	<b>35.86</b>	60.21
3	TAM 115	TAMU	<b>48.20</b>	<b>48.09</b>	<b>50.48</b>	<b>39.88</b>	63.94
4	Green Hammer	OSU	<b>47.43</b>	<b>44.86</b>	<b>45.04</b>	<b>39.64</b>	61.97
5	TAM 205	TAMU	43.47	<b>40.19</b>	<b>44.66</b>	31.46	61.83
6	TAMW-101	TAMU	34.88	34.74	38.23	30.69	60.49
7	<i>Dyna-Gro 7322</i>	Dyna-Gro		<b>44.96</b>	<b>47.36</b>	<b>40.12</b>	59.22
8	WB4595	TAMU		<b>46.49</b>	<b>47.19</b>	<b>38.38</b>	63.45
9	TAM 116	TAMU		<b>44.29</b>	<b>44.99</b>	31.17	62.96
10	TX15M8024	TAMU		<b>42.02</b>	<b>45.73</b>	<b>37.12</b>	60.98
11	Smith's Gold	OSU			43.39	33.20	61.62
12	TX16M9216	TAMU			42.23	33.30	60.14
13	PlainsGold Guardian	PlainsGold				<b>40.61</b>	62.18
14	High Cotton	OSU				<b>39.69</b>	61.26
15	PlainsGold Canvas	PlainsGold				<b>39.59</b>	61.62
16	TX18A001132	TAMU				<b>37.85</b>	59.43
17	Showdown	OSU				<b>37.70</b>	60.56
18	KivariAX	CSU				<b>36.69</b>	60.77
19	WB4422	Westbred				<b>36.45</b>	60.84
20	TX18A001119	TAMU				<b>35.82</b>	62.11
21	CP7017AX	Croplan				<b>35.28</b>	60.63
22	OK15MASBx7ARS8-29	OSU				<b>34.03</b>	60.14
23	<i>OK Corral</i>	OSU				<b>33.69</b>	57.67
24	Gallagher	OSU				31.90	60.91
25	Uncharted	OSU				30.30	60.14
	<b>CV</b>		<b>4.90</b>	<b>7.33</b>	<b>7.86</b>	<b>11.84</b>	-
	<b>LSD (0.05)</b>		<b>3.97</b>	<b>5.05</b>	<b>6.01</b>	<b>6.98</b>	-
	<b>Mean</b>		<b>45.58</b>	<b>43.94</b>	<b>45.42</b>	<b>35.93</b>	<b>61.16</b>

2022 data were not included in the multi-year summary due to the invalid data.

Highlighted values are significantly the same as the highest values at  $p < 0.05$ .

Italicized varieties are awnless varieties.

Bold value is the highest value within a year.

Highlighted values are significantly the same as the highest values at  $p < 0.05$ .

# Texas Locations Agronomic Data

## Rolling Plains Dual-Purpose Trial: 2023

Location <sup>1</sup>	Cooperator(s)/County Agent	Yield limiting issues	Planting date	Fertilizer (Total lb N/ac)	Seeding Rate	Pesticide applied (date)
<b>Foard</b>	Ronnie Allen/Michael Bowman	Winter drought	10/20/2022	90	1.4M seeds/ac	Huskie at 18 oz/ac and Asial Bold at 15 oz/ac on 2/27/2023
<b>Haskell</b>	Mike Urbanzck/Blake Davis and Josh Kouns	ABANDONED Drought	11/8/2022	110	1.4M seeds/ac	15oz/ac Axial Bold, 3.2 oz/ac Liberate, 0.1 oz/ac Generic Ally, and 8 oz/ac Salvo
<b>Wilbarger</b>	Bruce Gillis/Langdon Reagan	Late harvesting due to the prolonged rain	11/2/2022	90	1.4M seeds/ac	Huskie at 18 oz/ac and Axial Bold at 15 oz/ac on 2/27/2023

<sup>1</sup>All locations were planted to 7" row spacing and were conventionally tilled EXCEPT for Munday, no-tilled. Soil test and forage results at Haskell County trial are available at <https://agrilife.org/txrollingplainsagronomy/wheat-3/>.

**2023 Dual-Purpose Wheat Variety Trial: HRWW, Foard County, Texas**

Variety	Forage (lb/ac)			Dual-Purpose Grain (bu/ac)			Grain only (bu/ac)		Height (in)	Test weight
	3YR	2YR	2023*	3YR	2YR	2023	2YR	2023	2023	2023
<b>Green Hammer</b>	1579	1538	1342	38	41	43	41	37	24.0	61
<b>WB4595</b>	1005	1114	1185	40	43	47	50	45	25.0	62
<b>WB4792</b>	948	1008	1111	39	42	44	53	36	20.0	62
TAM115	828	771	922	33	33	41	39	42	26.0	61
<b>TAM205</b>		1124	914		40	40	45	35	25.0	60
WB4632			1355			51		47	23.3	60
Strad CL Plus			1355			40		42	26.0	60
<i>OK Corral</i>			1270			.		.	28.0	58
Smith's Gold			1221			44		41	23.0	60
OK18510			1218			58		46	21.3	59
Bob Dole			963			48		47	26.0	61
WB4422			840			63		51	23.3	63
<i>p</i> .05	NS	NS	0.0200	NS	NS	0.0227	NS	NS	-	NS
Mean	1090	1111	1141	38	40	47	45	43	24.3	60

\*Forage was clipped on 2/6/2023.

Highlighted values are significantly the same as the highest values at  $p < 0.05$ .

Italicized varieties are awnless varieties.

Bold value is the highest value within a year.

No rusts were observed in 2023.

Awnless variety was damaged by wild hogs. Grain yields are not reported.

**Note:** One forage cutting in February had no influence on the grain yield in the dual-purpose practice as compared to the grain-only practice. Therefore, no grain yield advantage was observed in the grain-only practice.

**Picks'list for 2023-2024 dual-purpose variety includes Green Hammer, WB4595, WB4792, and TAM205.**

**2023 Dual-Purpose Wheat Variety Trial: HRWW, Wilbarger County, Texas**

Variety	Forage (lb/ac)			Dual-Purpose Grain (bu/ac)			Grain only (bu/ac)		Height (in)	Test weight
	3YR	2YR	2023*	3YR	2YR	2023	2YR	2023	2023	2023
<b>Green Hammer</b>	<b>2868</b>	<b>2412</b>	2440	50	52	52	54	39	32.7	<b>53</b>
<b>WB4792</b>	2510	<b>2311</b>	2138	57	53	34	58	<b>44</b>	26.5	48
<b>WB4595</b>	2499	<b>2481</b>	2240	<b>62</b>	<b>62</b>	<b>56</b>	<b>61</b>	32	28.0	<b>53</b>
TAM115	2008	1347	2251	52	51	38	47	32	28.3	50
<b>TAM205</b>		<b>2318</b>	2503		46	30	42	23	27.7	50
<i>OK Corral</i>		<b>2399</b>	2007		.	.	.	.	26.0	.
Smith's Gold			<b>3292</b>			40		32	27.7	49
WB4632			2599			40		23	23.3	51
Bob Dole			2537			43		36	<b>34.3</b>	<b>53</b>
OK18510			2302			43		31	26.0	51
Strad CL Plus			2223			34		27	29.0	50
WB4422			2092			49		41	29.0	51
<i>p<sub>0.05</sub></i>	<b>NS</b>	<b>0.0131</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	-	<b>NS</b>
<b>Mean</b>	<b>2471</b>	<b>2211</b>	<b>2385</b>	<b>55</b>	<b>53</b>	<b>42</b>	<b>53</b>	<b>33</b>	28.2	50.7

\*Forage was clipped on 1/23/2023 and 3/1/2023.

Highlighted values are significantly same as the highest values at  $p < 0.05$ .

Italicized varieties are awnless varieties.

Bold value is the highest value within a year.

No rusts were observed in 2023.

Awnless variety was damaged by wild hogs. Grain yields are not reported.

**Note:** Although there were two forage clippings (January and March) in dual-purpose system in 2023, average grain yields were greater in the dual-purpose system as compared to the grain-only system. The reason for the yield difference may be due to the better ground in the dual-purpose system than the grain-only system. In addition, the March cutting did not affect the developing grain head above the first hollow stem. Low test weight may have been caused by summer drought, late harvesting, and prolonged wet conditions.

**Picks'list for 2023-2024 dual-purpose variety includes Green Hammer, WB4595, WB4792, and TAM205.**

  
**2023-2024 Texas Wheat Picks List**

Courtesy Texas A&M Dept. of Soil & Crop Sciences (Coordinated and summarized by Dr. Calvin Trostle)

High Plains Picks List			N. Rolling Plains Grain Picks	Abilene/Concho Valley Picks List	Blacklands/NE Texas Picks List		South Texas Picks List		
Dryland	Limited Irrig.	Full Irrigation			Dryland	HRWW	SRWW†	HRWW	SRWW
			<b>Picks</b>						
			WB4792¶						
			WB4595¶						
			TAM 115						
			Bob Dole						
			TAM 205						
			<b>Watch</b>						
			Dyna-Gro 7322						
High Plains Watch List			N. Rolling Plains Dual Purpose Picks	Abilene/Concho Valley Watch List	Blacklands/NE Texas Watch List		South Texas Watch List		
Dryland	Limited Irrig.	Full Irrigation			Dryland	HRWW	SRWW	HRWW	HRSW
			WB4792¶						
			WB4595¶						
			Green Hammer						
			*TAM205						

**\*New Pick for 2022-2023.** ¶**Certified Seed Only (CSO).** Farmers must sign license agreement—they may not save their own seed for their next crop. †Soft red winter wheat.

Texas A&M AgriLife Extension, in collaboration with our wheat breeding program colleagues in Texas A&M AgriLife Research, offer these wheat varieties for producers. Wheat Picks are based on a minimum of three years of data (and at least two years for a ‘Watch List’ designation) over multiple locations. These wheat varieties are not strictly a list of recommended wheat grain varieties. But given the data, these are the wheat varieties we would choose to include on our farm. If you are planting other varieties, and you like them, continue to plant them. But consider trying one of these regional varieties on some of your acres, especially a variety that complements your other wheat variety’s maturity and insect/disease resistances.

For further information, view Texas A&M AgriLife wheat info. at <http://varietytesting.tamu.edu/wheat> or contact these individuals/Center websites:

- Texas Panhandle: Dr. Jourdan Bell, Extension agronomist, Amarillo, (806) 677-5600, [jourdan.bell@ag.tamu.edu](mailto:jourdan.bell@ag.tamu.edu), <http://amarillo.tamu.edu>
- Texas South Plains: Dr. Calvin Trostle, Extension agronomist, Lubbock, (806) 777-0247, [ctrostle@ag.tamu.edu](mailto:ctrostle@ag.tamu.edu), <http://lubbock.tamu.edu>
- Northern Rolling Plains: Dr. Emi Kimura, Extension agronomist, Vernon, (940) 552-9941, [emi.kimura@ag.tamu.edu](mailto:emi.kimura@ag.tamu.edu), <http://vernon.tamu.edu>
- Southern Rolling Plains/Concho Valley: Dr. Reagan Noland, Extension agronomist, San Angelo, (325) 657-7330, [reagan.noland@ag.tamu.edu](mailto:reagan.noland@ag.tamu.edu)
- Northeast Texas: Dr. David Drake, Extension IPM agent, Commerce, (325) 716-3364, [david.drake@ag.tamu.edu](mailto:david.drake@ag.tamu.edu)
- Central Texas/Blacklands: Russ Garetson, Extension wheat program specialist, College Station, (214) 460-5510, [russ.garetson@ag.tamu.edu](mailto:russ.garetson@ag.tamu.edu)
- South Texas: Dr. Joshua McGinty, Extension agronomist, Corpus Christi, (361) 265-9203, [joshua.mcginty@ag.tamu.edu](mailto:joshua.mcginty@ag.tamu.edu), <http://agrilife.org/coastalbend>