

2018 Texas Northern High Plains Uniform Wheat Variety Trials

2018 Northern Texas High Plains Irrigated Trials							
<div style="display: flex; justify-content: space-around;"> Bushland Dumas </div>							
Rank	Irrigated Variety	Developer	Irrigated		Test		Test Weight (lb/bu)
			Trials Average Yield (bu/ac)	Yield (bu/ac)	Weight (lb/bu)	Yield (bu/ac)	
1	TAM304P18 [§]	TAMU-Purified Seed Source	91.0	102.3	61.6	79.7	55.6
2	TAM 114	TAMU	88.1	99.7	63.5	76.6	58.9
3	Long Branch	Dyna-Gro	86.6	98.3	59.4	74.9	56.4
4	TAM 112	TAMU	85.6	93.9	61.4	77.2	58.4
5	TX12V7415*	TAMU	85.2	95.2	64.0	75.3	59.3
6	WB4418	Westbred	83.6	90.1	62.1	77.1	56.4
7	CROPLAN EXP 09-17	Croplan	83.5	94.5	61.9	72.5	56.8
8	CROPLAN EXP 56-17	Croplan	83.1	94.2	63.3	71.9	59.0
9	SY Flint	Syngenta	81.8	86.7	62.6	77.0	57.6
10	TAM 204**	TAMU	81.4	92.0	60.4	70.8	55.3
11	CROPLAN EXP 69-16	Croplan	81.1	99.1	61.3	63.1	56.4
12	T158	Limagrain	80.7	95.9	62.2	65.6	55.5
13	TAM 111	TAMU	80.4	89.5	62.8	71.3	58.4
14	SY Grit	Syngenta	79.4	96.0	61.7	62.8	55.3
15	WB4458	Westbred	78.5	88.7	61.9	68.3	56.5
16	TAM W-101	TAMU	78.2	80.9	62.0	75.6	59.5
17	SY Monument	Syngenta	78.0	85.8	61.6	70.1	56.3
18	SY Rugged	Syngenta	77.8	91.1	61.2	64.6	56.8
19	TX11A001295*	TAMU	76.6	90.7	64.2	62.5	59.4
20	LCS Pistol	Limagrain	74.9	91.0	62.5	58.7	56.6
21	TAM 304	TAMU	74.8	87.8	61.6	61.7	55.5
22	WB4303	Westbred	73.7	81.1	59.4	66.3	54.7
23	LCS Chrome	Limagrain	72.5	92.3	60.8	52.6	56.3
24	TAM 305	TAMU	72.3	79.1	61.6	65.5	58.3
25	TX13M5625*	TAMU	70.5	78.1	61.1	63.0	56.1
Mean			80.0	90.9	61.9	69.7	57.0
CV				6.9		15.9	
LSD _{0.05}				10.3		ns	

Varieties ranked according to 2-location average

[§]Purified seed source for TAM 304

*Experimental Breeding Line

**Awnless

2018 Northern Texas High Plains Dryland Trials									
				Bushland		Wellington		Hereford	
Dryland Trials				Test		Test		Test	
Rank	Dryland Variety	Developer	Average Yield (bu/ac)	Yield (bu/ac)	Weight (lb/bu)	Yield (bu/ac)	Weight (lb/bu)	Yield (bu/ac)	Weight (lb/bu)
1	PlainsGold Avery	CSU	26.3	25.9	61.3	31.8	61.0	21.3	60.2
2	TAM 112	TAMU	26.2	25.6	62.0	24.4	61.7	28.6	61.0
3	Long Branch	Dyna-Gro	24.2	28.3	60.6	25.0	62.5	19.3	58.2
4	CROPLAN EXP 69-16	Croplan	23.5	23.2	61.6	22.5	62.5	24.8	58.9
5	SY Monument	Syngenta	22.9	23.9	60.5	25.2	59.4	19.6	59.6
6	PlainsGold Denali	CSU	22.7	21.0	62.2	28.7	60.0	18.6	60.2
7	T158	Limagrain	22.5	23.2	61.3	26.8	61.1	17.5	60.3
8	LCS Pistol	Limagrain	21.6	28.3	60.9	22.2	61.4	14.3	59.7
9	TAM 114	TAMU	21.5	18.1	61.3	26.2	62.0	20.1	62.1
10	LCS Chrome	Limagrain	21.4	22.5	58.9	21.7	60.5	20.1	57.9
11	TX11A001295*	TAMU	21.4	25.3	62.1	21.7	62.0	17.3	62.3
12	TAM 204**	TAMU	21.3	22.0	59.8	22.4	56.3	19.4	58.5
13	WB4721	Westbred	21.3	21.3	61.8	23.9	61.7	18.6	61.6
14	CROPLAN EXP 09-17	Croplan	21.3	21.9	59.9	28.3	61.7	13.6	---
15	TAM 111	TAMU	20.9	17.7	60.9	26.9	61.1	18.2	60.7
16	TAM304P18 [§]	TAMU-Purified Seed Source	20.7	19.6	59.1	22.1	61.3	20.3	58.9
17	LCS Mint	Limagrain	20.6	23.6	62.6	26.7	62.7	11.6	62.4
18	TAM W-101	TAMU	20.4	15.6	59.9	26.4	62.7	19.3	60.7
19	TX12V7415*	TAMU	20.2	21.3	62.6	19.6	62.7	19.7	62.5
20	PlainsGold Langin	CSU	20.2	22.5	60.5	25.7	61.1	12.2	60.5
21	WB4462	Westbred	19.9	16.6	57.7	24.3	61.5	18.8	58.6
22	TAM 304	TAMU	19.3	17.7	58.8	21.3	61.8	18.9	58.5
23	TX13M5625*	TAMU	15.9	16.8	60.6	21.7	61.5	9.1	60.1
24	CROPLAN EXP 56-17	Croplan	14.8	17.2	62.6	19.0	62.0	8.2	60.6
Mean			21.3	21.4	60.8	24.5	61.3	18.3	60.2
CV				17.4		17.8		20.5	
LSD _{0.05}				6.2		7.1		7.8	

Varieties ranked according to 3-location average

[§]Purified seed source for TAM 304

*Experimental Breeding Line

**Awnless

2018 Uniform Wheat Variety Trial: HRWW, Bushland, TX (Irrigated)

Rank [†]	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)
			4-year [‡]	3-year	2-year	2018	2018
1	TAM 204**	Watley Seed	80.3	91.1	89.4	92.0	60.4
2	TAM 114	Warner Seed	79.9	90.5	89.2	99.7	63.5
3	TAM 111	TAMU	77.2	87.5	84.1	89.5	62.8
4	T158	Limagrain	76.7	84.9	84.7	95.9	62.2
5	WB 4458	Westbred/Monsanto	75.4	84.6	81.9	88.7	61.9
6	TAM 112	TAMU	72.5	83.6	77.0	93.9	61.4
7	TAM 305	Scott Seed	71.0	80.5	76.2	79.1	61.6
8	TAM 304	Scott Seed	70.8	82.2	81.0	87.8	61.6
9	TAM W-101	TAMU	67.8	73.7	73.6	80.9	62.0
10	Long Branch	Dyna-Gro		92.3	92.7	98.3	59.4
11	SY Monument	Syngenta		87.1	85.1	85.8	61.6
12	SY Grit	Syngenta		85.9	80.6	96.0	61.7
13	CROPLAN 69-16*	Croplan			97.9	99.1	61.3
14	TX11A001295*	TAMU			88.5	90.7	64.2
15	LCS Chrome	Limagrain			85.3	92.3	60.8
16	SY Rugged	Syngenta			85.0	91.1	61.2
17	SY Flint	Syngenta			76.7	86.7	62.6
18	TAM 304P18	TAMU-Purified Seed Source				102.3	61.6
19	TX12V7415*	TAMU				95.2	64.0
20	CROPLAN 09-17*	Croplan				94.5	61.9
21	CROPLAN 56-17*	Croplan				94.2	63.3
22	LCS Pistol	Limagrain				91.0	62.5
23	WB 4418	Westbred/Monsanto				90.1	62.1
24	WB 4303	Westbred/Monsanto				81.1	59.4
25	TX13M5625*	TAMU				78.1	61.1
	LSD		3.9	4.5	5.9	9.7	1.8
	CV		6.7	5.9	6.6	6.5	1.7
	Mean		74.6	85.3	84.1	91.0	61.9

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2018 yield averages.

[‡]4-year average based on 2014, 2016, 2017, and 2018 data.

2018 Uniform Wheat Variety Trial: HRWW, Dumas, TX (Irrigated)

Rank [†]	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)
			4-year [‡]	3-year	2-year	2018	2018
1	SY Monument	Syngenta	74.1	75.0	83.7	70.1	56.3
2	TAM 114	Warner Seed	73.1	77.4	88.3	76.6	58.9
3	T158	Limagrain	70.1	75.3	85.2	65.6	55.5
4	TAM 204**	Watley Seed	68.5	71.9	83.3	70.8	55.3
5	TAM 305	Scott Seed	66.0	67.9	80.0	65.5	58.3
6	TAM 112	TAMU	65.9	73.6	85.3	77.2	58.4
7	TAM 111	TAMU	63.5	74.4	84.8	71.3	58.4
8	TAM W-101	TAMU	63.1	70.5	79.7	75.6	59.5
9	WB 4458	Westbred/Monsanto	62.5	62.4	71.3	68.3	56.5
10	SY Grit	Syngenta	61.4	63.1	71.7	62.8	55.3
11	TAM 304	Scott Seed	60.8	68.1	78.1	61.7	55.5
12	Long Branch	Dyna-Gro		72.2	78.0	74.9	56.4
13	SY Rugged	Syngenta			82.1	64.6	56.8
14	TX11A001295*	TAMU			80.9	62.5	59.4
15	CROPLAN 69-16*	Croplan			80.5	63.1	56.4
16	SY Flint	Syngenta			78.8	77.0	57.6
17	LCS Chrome	Limagrain			66.2	52.6	56.3
18	TAM 304P18	TAMU-Purified Seed Source				79.7	55.6
19	WB 4418	Westbred/Monsanto				77.1	56.4
20	TX12V7415*	TAMU				75.3	59.3
21	CROPLAN 09-17*	Croplan				72.5	56.8
22	CROPLAN 56-17*	Croplan				71.9	59.0
23	WB 4303	Westbred/Monsanto				66.3	54.7
24	TX13M5625*	TAMU				63.0	56.1
25	LCS Pistol	Limagrain				58.7	56.6
	LSD			8.1	11.2	NS	1.7
	CV			12.1	12.1	15.9	1.8
	Mean			71.0	79.9	69.0	57.0

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2018 yield averages.

[‡]4-year average based on 2015, 2016, 2017, and 2018 data.

2018 Uniform Wheat Variety Trial: HRWW, Bushland, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)
			4-year [‡]	3-year	2-year	2018	2018
1	Winterhawk	Westbred/Monsanto	34.5	39.3	32.8	19.0	61.4
2	T158	Limagrain	34.3	40.0	34.2	23.2	61.3
3	TAM 112	TAMU	33.6	38.4	28.2	25.6	62.0
4	TAM 204**	Watley Seed	33.4	38.5	31.4	22.0	59.8
5	TAM 111	TAMU	32.7	37.3	29.9	17.7	60.9
6	TAM 114	Warner Seed	30.1	35.2	30.3	18.1	61.3
7	TAM 304	Scott Seed	28.7	32.2	25.0	17.7	58.8
8	TAM W-101	TAMU	24.4	27.8	27.0	15.6	59.9
9	PlainsGold Avery	CSU		42.1	33.3	25.9	61.3
10	Long Branch	Dyna-Gro		40.2	33.9	28.3	60.6
11	WB 4721	Westbred/Monsanto		39.6	31.7	21.3	61.8
12	LCS Mint	Limagrain		39.4	28.5	23.6	62.6
13	PlainsGold Denali	CSU		38.7	29.4	21.0	62.2
14	SY Monument	Syngenta		38.3	32.5	23.9	60.5
15	WB Grainfield	Westbred/Monsanto		37.6	28.4	21.7	60.7
16	TX11A001295*	TAMU			35.2	25.3	62.1
17	CROPLAN 69-16*	Croplan			29.9	23.2	61.6
18	LCS Chrome	Limagrain			29.4	22.5	58.9
19	LCS Pistol	Limagrain				28.3	60.9
20	PlainsGold Langin	CSU				22.5	60.5
21	CROPLAN 09-17*	Croplan				21.9	59.9
22	TX12V7415*	TAMU				21.3	62.6
23	TAM 304P18	TAMU-Purified Seed Source				19.6	59.1
24	CROPLAN 56-17*	Croplan				17.2	62.6
25	TX13M5625*	TAMU				16.8	60.6
26	WB 4462	Westbred/Monsanto				16.6	57.7
	LSD		3.3	4.9	4.2	6.1	--
	CV		12.7	13.9	11.8	17.2	--
	Mean		31.5	37.6	30.6	21.5	60.8

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2018 yield averages.

[‡]4-year average based on 2012, 2016, 2017, and 2018 data.

2018 Uniform Wheat Variety Trial: HRWW, Hereford, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/a)				Test Wt (lb/bu)
			4-year [‡]	3-year	2-year	2018	2018
1	TAM 112	TAMU	33.3	38.9	41.3	28.6	61.0
2	Winterhawk	Westbred/Monsanto	32.9	39.3	36.0	21.3	61.0
3	TAM 111	TAMU	30.0	35.6	35.5	18.2	60.7
4	TAM 304	Scott Seed	28.6	33.8	26.0	18.9	58.5
5	TAM W-101	TAMU	27.3	32.0	30.7	19.3	60.7
6	SY Monument	Syngenta		41.3	35.3	19.6	59.6
7	WB Grainfield	Westbred/Monsanto		40.5	33.2	16.7	59.8
8	TAM 204**	Watley Seed		40.3	31.8	19.4	58.5
9	TAM 114	Warner Seed		39.5	35.6	20.1	62.1
10	T158	Limagrain		38.5	35.1	17.5	60.3
11	LCS Mint	Limagrain		37.7	35.4	11.6	62.4
12	PlainsGold Denali	CSU		36.8	36.1	18.6	60.2
13	PlainsGold Avery	CSU			39.8	21.3	60.2
14	Long Branch	Dyna-Gro			35.5	19.3	58.2
15	WB 4721	Westbred/Monsanto			34.8	18.6	61.6
16	CROPLAN 69-16*	Croplan				24.8	58.9
17	TAM 304P18	TAMU-Purified Seed Source				20.3	58.9
18	LCS Chrome	Limagrain				20.1	57.9
19	TX12V7415*	TAMU				19.7	62.5
20	WB 4462	Westbred/Monsanto				18.8	58.6
21	TX11A001295*	TAMU				17.3	62.3
22	LCS Pistol	Limagrain				14.3	59.7
23	CROPLAN 09-17*	Croplan				13.6	--
24	PlainsGold Langin	CSU				12.2	60.5
25	TX13M5625*	TAMU				9.1	60.1
26	CROPLAN 56-17*	Croplan				8.2	60.6
LSD			2.4	4.2	3.3	7.6	--
CV			9.2	11.0	7.5	20.0	--
Mean			30.4	37.9	34.8	18.1	60.2

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 4-year, 3-year, 2-year, then 2018 yield averages.

[‡]4-year average based on 2011, 2015, 2016, and 2018 data.

2018 Uniform Wheat Variety Trial: HRWW, Wellington, TX (Dryland)

Rank [†]	Variety	Source	Yield (bu/a)			Test Wt (lb/bu)
			3-year [‡]	2-year	2018	2018
1	TAM 114	Warner Seed	43.3	39.6	26.2	62.0
2	PlainsGold Avery	CSU	39.9	37.6	31.8	61.0
3	LCS Mint	Limagrain	39.5	33.9	26.7	62.7
4	PlainsGold Denali	CSU	38.3	34.1	28.7	60.0
5	WB Grainfield	Westbred/Monsanto	37.8	33.2	23.5	59.6
6	SY Monument	Syngenta	37.4	32.1	25.2	59.4
7	TAM 204**	Watley Seed	37.1	32.1	22.4	56.3
8	T158	Limagrain	36.7	33.3	26.8	61.1
9	TAM 111	TAMU	36.1	33.0	26.9	61.1
10	Long Branch	Dyna-Gro	35.9	33.2	25.0	62.5
11	Winterhawk	Westbred/Monsanto	35.6	32.1	23.8	62.8
12	WB 4721	Westbred/Monsanto	35.5	32.6	23.9	61.7
13	TAM 304	Scott Seed	34.0	31.5	21.3	61.8
14	TAM 112	TAMU	32.8	27.8	24.4	61.7
15	TAM W-101	TAMU	31.9	30.3	26.4	62.7
16	CROPLAN 69-16*	Croplan		36.6	22.5	62.5
17	TX11A001295*	TAMU		35.1	21.7	62.0
18	LCS Chrome	Limagrain		29.5	21.7	60.5
19	CROPLAN 09-17*	Croplan			28.3	61.7
20	PlainsGold Langin	CSU			25.7	61.1
21	WB 4462	Westbred/Monsanto			24.3	61.5
22	LCS Pistol	Limagrain			22.2	61.4
23	TAM 304P18	TAMU-Purified Seed Source			22.1	61.3
24	TX13M5625*	TAMU			21.7	61.5
25	TX12V7415*	TAMU			19.6	62.7
26	CROPLAN 56-17*	Croplan			19.0	62.0
	LSD		3.8	5.2	6.2	--
	CV		10.9	13.7	15.5	--
	Mean		36.8	33.2	24.3	61.3

*Experimental breeding line.

**Awnless variety.

[†]Varieties ranked according to 3-year, 2-year, then 2018 yield averages.

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