

Rolling Plains **Pick's list** for 2017-2018 growing season

Dr. Emi Kimura, Extension Agronomist, Vernon, (940) 552 9941, emi.kimura@ag.tamu.edu
Mr. Jonathan Ramirez, Extension Assistant, Vernon, (940) 552 9941, jhramirez@ag.tamu.edu
Dr. Clark Neely, Small Grains and Oilseed Extension Specialist, (979) 862 1412,
cneely@ag.tamu.edu
Dr. Jackie Rudd, Regents Fellow Professor, Amarillo, (806) 677 5600, jcrudd@ag.tamu.edu
Jason Baker, Senior Research Associate, Amarillo, (806) 677 5600, jbaker@ag.tamu.edu

❖ PICK'S LIST FOR 2017-2018 GROWING SEASON

The AgriLife Extension Wheat Pick's list was selected based on the Rolling Plains Uniform Variety Trial (UVT) coordinated by the AgriLife Research and Extension personnel. Our ongoing Picks criteria include a minimum of three years of data in Texas A&M AgriLife Rolling Plains wheat variety trials across multiple annual locations. **A "Pick" variety means this: given the data, these are the varieties we would choose to include and emphasize on our farm for wheat grain production.** Picks are not necessarily the numerical top yielders as important disease resistance traits (leaf or stripe rust, wheat streak mosaic virus), insect tolerance (greenbugs, Russian wheat aphid), or standability can also be important varietal traits that enable a producer to better manage potential risk. We look for **consistency** of yields, e.g. the regularity with which an individual variety is in the top 25% of yield at each location.

Table 1. Pick's list for 2017-2018 growing season in the Rolling Plains of Texas

	Pick's list	Source	3 Years Avg.*	2017 Avg. Bu/ac**
1	TAM 114	Texas A&M	41.0	38.8
2	Gallagher	Oklahoma St.	37.9	35.4
3	TAM 304	Texas A&M	35.8	34.7
4	WB Cedar	Monsanto	38.3	33.8
5	Greer	Syngenta	39.5	27.7
6	WB 4458	Monsanto	35.9	26.6

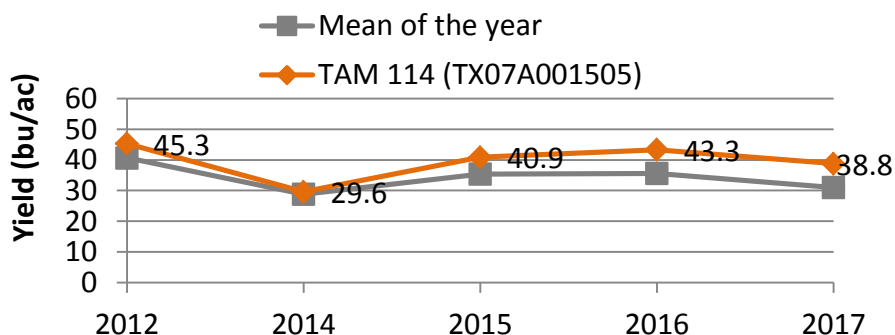
*Yields were obtained from dryland trials during 2015-2017.

❖ NO CHANGES WERE MADE IN PICK'S LIST FOR 2017-2018

No changes were made in the Pick's list for 2017-2018 as compared to a Pick's list for 2016-2017 growing season. TAM 114, Gallagher, and WB Cedar continued to perform excellent in the Rolling Plains in terms of grain yield and disease resistance. We have observed leaf rust infestation on TAM 304; however, grain yield of TAM 304 was above average yield. Grain yield of Greer and WB 4458 were below average this year; however, yield average over the past three years remained higher than other varieties tested in the Rolling Plains of Texas. Therefore, these two varieties were kept in the Pick's list for 2017-2018 growing season.

TAM 114

- Texas A&M AgriLife (2014) release
- Medium maturity/medium height
- Tolerates heavy grazing.
- Good dual-purpose wheat
- Dual-purpose variety positioned for grain only to heavy grazing
- Good stripe and leaf rust resistance
- Pedigree: TAM111, TAM200, and TX and NE experimental

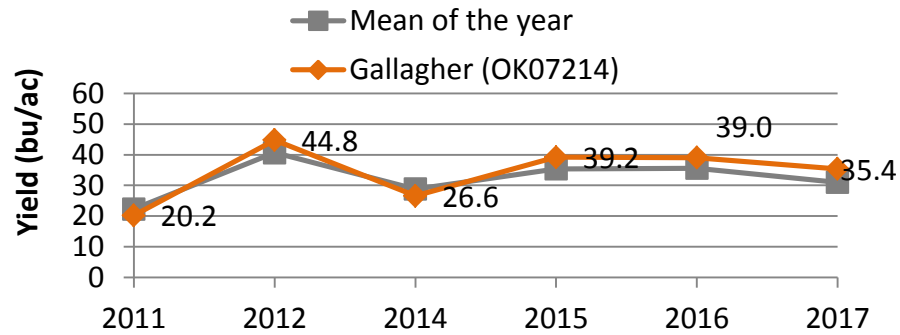


Gallagher

- OSU (2013) release
- Medium maturity/medium height
- Tolerate heavy grazing pressure.
- Good dual-purpose wheat
- Moderately resistant to leaf rust and stripe rust

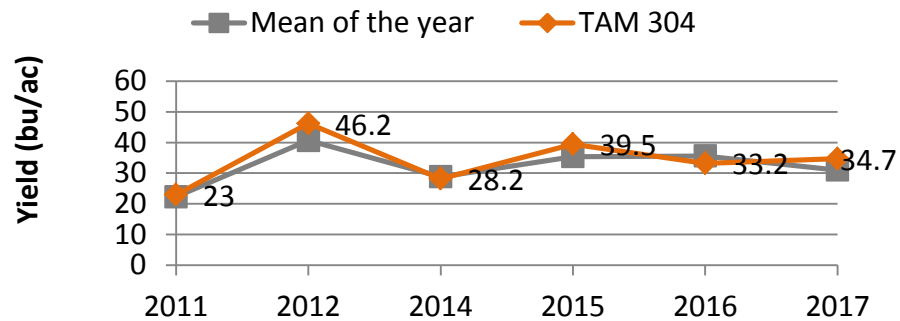


- Pedigree: Duster, Oklahoma experimental that includes 2180



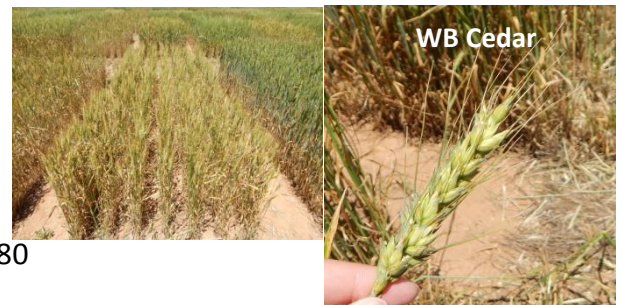
TAM 304

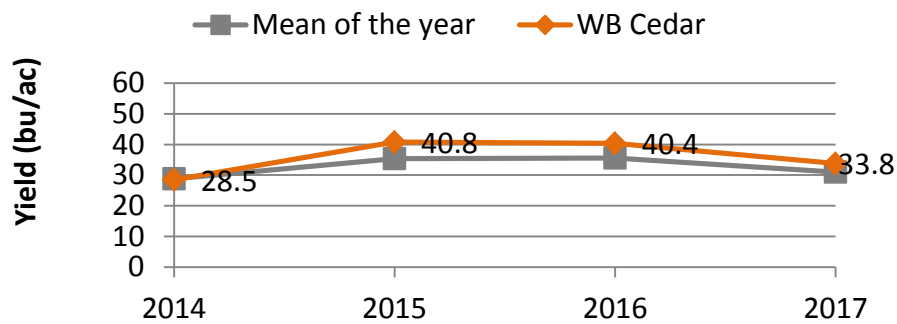
- Texas A&M AgriLife (2007) release
- Medium early
- Good straw strength
- Resistant to leaf rust, moderately resistant to stripe rust
- Pedigree: Pioneer germplasm



WB Cedar

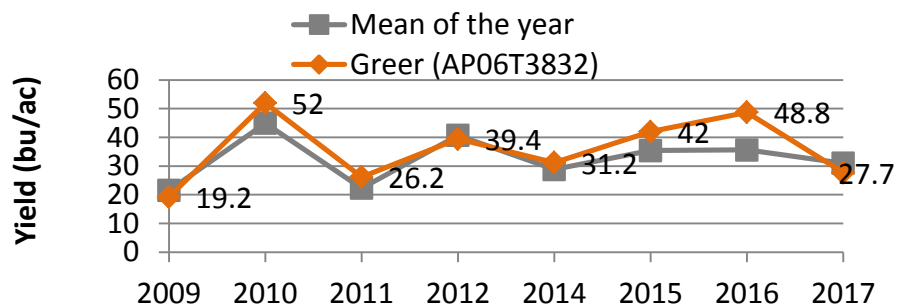
- Monsanto (2011) release
- Early maturity/medium to short height
- Not well suited for fall grazing
- Good stripe and leaf rust resistance
- Pedigree: TAM302, experimental with 2180





Greer

- Syngenta (2010) release
- Medium maturity and semidwarf height
- Produce early fall and spring forage.
- Good dual purpose wheat
- Susceptible to Leaf Rust; Excellent stripe rust resistance
- Pedigree: Agripro/Syngenta experimental



WB 4458

- Monsanto (2013) Release
- Medium early maturity/medium height
- Tolerates limited grazing
- Moderately susceptible to leaf rust, moderately resistant to stripe rust,



- Pedigree: Overly, westbred experimental

