Variety selection is a critical decision that can significantly affect yield potential, disease, insect pressure, and seed quality. The Texas A&M AgriLife uniform variety trials are a coordinated effort between AgriLife Research and AgriLife Extension, providing unbiased yield comparisons over multiple environments and growing conditions. Each location consists of at least 30 entries composed of both state and regional entries. The composite data is the foundation of our annual “Pick” wheat varieties. Entries are replicated 3 or more times and evaluated under irrigated and dryland production.

**2018-2019 Entries:**

**Croplan by Winfield**

**CP7869 (Croplan)**
New Croplan 2018 release with good standability adapted to the High Plains. Tolerance to stripe, stem, and leaf rust.
Height: Medium

**CP7909 (Croplan by Winfield)**
New Croplan 2018 release.

**Dyna-Gro**

**Long Branch (Dyna-Gro)**
Dyna-Gro 2016 release adapted for both dryland and irrigated acres. Very good straw strength and excellent winter hardiness. Reported to be adapted to heat and moisture stress very well; finishes well in adverse conditions. Moderately resistant to stripe rust. Susceptible to leaf rust and moderately susceptible to stem rust. Excellent winter hardiness and very good straw strength but prone to lodging under excessive irrigation and fertility. Test weights tend to be lower than for other comparable varieties. Marginal bread-making quality.
Height: Medium-Tall
Heading Maturity: Medium-Late

**Limagrain Cereal Seeds**

**LCS Chrome**
Limagrain Cereal Seeds 2016 release that is well adapted to the Great Plains and Rolling Plains regions. Resistant to leaf and stripe rust. Very good drought tolerance and high-tillering ability. Medium coleoptile length. Excellent straw strength. Leaf and stripe rust resistance.
Height: Medium-Tall
Heading Maturity: Medium-Late
Tillering: High
Pedigree: Unavailable
**LCS Link (Limagrain)**
Limagrain Cereal Seeds 2017 release that was developed with the University of Nebraska. It is well adapted to southern Nebraska and northern Kansas, but it may have good production potential farther south into the Texas Panhandle. Very good drought tolerance. Excellent straw strength and winter-hardiness. Not recommended for grazing. Resistant to barley yellow dwarf. Intermediate resistance to stripe rust and resistant to leaf rust. Marketed for grain quality including milling and baking properties.
- Height: Medium-Tall
- Heading Maturity: Late
- Tillering: Intermediate
- Pedigree: LC Experimentals

**LCS Mint**
Limagrain Cereal Seeds 2012 release that is well adapted to the Southern Great Plains through the Texas Panhandle. Excellent drought tolerance and medium–long coleoptile. Tolerates limited grazing. Moderately susceptible to barley yellow dwarf. Intermediate resistance to stripe rust but susceptible to leaf rust. Marketed for grain quality including milling and baking properties. Prone to lodge with heavy nitrogen fertility under irrigation. Maturity varies due to strong photoperiodism.
- Height: Medium-Tall
- Heading Maturity: Medium
- Tillering: Intermediate
- Pedigree: Unavailable

**LCS Pistol (Limagrain)**
Limagrain Cereal Seeds 2015 release that is a winterhardy variety adapted to the Southern Great Plains through the Texas Panhandle for dual purpose production. Moderately susceptible to stripe rust but moderately resistant to leaf rust. Prone to lodge in high yielding environment. It is best adapted to dryland and limited irrigated conditions. Excellent drought tolerance, but variety has a medium–short coleoptile. Poorer baking characteristics than comparable varieties.
- Height: Medium
- Heading Maturity: Medium-Early
- Tillering: Very High
- Pedigree: T158 and T157

**T158**
- Height: Medium
- Heading Maturity: Medium-Early
- Tillering: Very High
- Pedigree: T81, KS93U206 experimental

**OSU Bentley (OSU)**
Oklahoma State 2015 release that marketed by Oklahoma Genetics, Inc. Bentley is a dual-purpose variety for dryland acres that performs well under moderate drought stress. Bentley should not be planted early (August to early-September) as germination and seedling stages are sensitive to heat. Moderate resistance to barley yellow dwarf, susceptible to leaf rust, and intermediate resistance to stripe rust. Moderately susceptible to wheat streak mosaic.
Gallagher (OSU)
Oklahoma State University 2012 release marketed by Oklahoma Genetics. Adapted to Oklahoma, southern Kansas and central-eastern Texas Panhandle. Moderately susceptible to wheat streak mosaic virus. Intermediate resistance to barley yellow dwarf. Resistant to both leaf and stripe rust. Good dual-purpose variety that tolerates heavy grazing.

Iba (OSU)

Lonerider (OSU)
Oklahoma State University 2017 release marketed by Oklahoma Genetics. Lonerider is a dual-purpose variety with good grain potential that is well adapted for the western High Plains. Moderately susceptible to barley yellow dwarf. Intermediate resistance to leaf and stripe rusts. Noted for rapid stand establishment in the fall under ideal conditions, but it does not recover from heavy grazing. Susceptible to sprouting if not harvested on time.

Showdown (OSU)
Oklahoma State University 2018 release marketed by Oklahoma Genetics. Showdown is marketed for a broad range of environmental conditions.

Smith’s Gold (OSU)
Oklahoma State University 2017 release marketed by Oklahoma Genetics. Showdown is a dual-purpose variety with good grain potential that tolerates heavy grazing. Intermediate susceptibility to barley yellow dwarf. Moderately resistant to leaf rust and resistant to stripe rust. Good winterhardiness. Susceptible to sprouting if not harvested on time.
Plains Gold Avery (CSU)
Colorado State University 2016 release marketed by Plains Gold. A white chaffed, awned wheat with a medium-long coleoptile. Avery has performed well under irrigated and dryland conditions. It is noted for having excellent winterhardiness and drought tolerance. Resistant to the wheat curl mite and greenbug biotype E. Moderately resistant to wheat streak mosaic virus. Intermediate to wheat streak mosaic virus. Susceptible to stripe rust and stem rust. Resistant to leaf rust. Good milling and baking qualities.
Height: Medium-Tall
Heading Maturity: Medium Late
Tillering: Very High
Pedigree: TAM 112 and Byrd

Plains Gold Canvas (CSU)
Colorado State University 2018 release marketed by Plains Gold (CWRF). Canvas is a high yielding hard red winter wheat with medium maturity and a strong straw. Very good stripe and stem rust resistance. It also has very good wheat streak mosaic virus. It is noted for excellent test weight and milling/baking quality.

Plains Gold Langin (CSU)
Colorado State University 2018 release marketed by Plains Gold (CWRF). Langin is an early semi-dwarf variety for grain only production. It is noted for having excellent winterhardiness and drought tolerance. Resistant to the wheat curl mite. Noted as having moderate susceptibility to wheat streak mosaic virus. Susceptible to leaf rust, but moderately resistant to stripe rust.
Height: Short
Heading Maturity: Early
Pedigree: Byrd and Colorado Experimental that includes Byrd

AgriPro (Syngenta)
SY Flint (AgriPro)
AgriPro (Syngenta) 2015 dual-purpose variety tolerant of heavy grazing with good grain yield potential. Intermediate resistance to stripe rust and moderately susceptible to leaf rust. Good straw strength and shattering resistance.
Height: Medium
Heading Maturity: Medium-early
Tillering: High
Pedigree: Experimental, Jagalene and Duster

SY Grit (AgriPro)
AgriPro (Syngenta) 2017 release. A medium early dual-maturity variety that is adapted to the Southern Great Plains. Noted for drought tolerance and straw strength with a good disease package. Moderately susceptible to leaf rust and intermediate tolerance to stripe rust.
Height: Medium
Heading Maturity: Medium-Early
Tillering: High

SY Monument (AgriPro)
AgriPro (Syngenta) 2014 release. Resistant to stripe and leaf rust. Very good drought tolerance. Tolerant of limited grazing. Average straw strength. Excellent milling and baking properties.
Height: Medium-Tall
Heading Maturity: Medium-Early
Tillering: Very High
Pedigree: AgriPro Experimentals
**SY Rugged (AgriPro)**
AgriPro (Syngenta) new 2017 release. Certified seed available beginning in 2018. Rugged is adapted to the western High Plains and suitable for dryland. Dual purpose variety with good grain yield potential. Tolerates heavy grazing. Resistant to stripe rust and moderately resistant to leaf rust. Very good drought tolerance and winterhardiness.
Height: Short
Heading Maturity: Medium-Early
Tillering: Good
Pedigree: Greer and Doans

**SY Wolverine (AgriPro)**
AgriPro new 2019 release, certified seed will be available in the fall of 2020. Fits both Irrigated and dryland in the western high plains. SY Wolverine is half SY Wolf but is a medium early maturity. Like Wolf, it has good disease tolerance including improved tolerance to Wheat Streak Mosaic Virus. Excellent straw strength under irrigation, high tillering and good drought tolerance. Over three years of testing, Wolverine has consistently been a top yielding variety in irrigated and dryland regional variety trials. Silage yield testing is ongoing.
Height: Medium
Heading Maturity: Medium-Early
Tillering: Very Good
Pedigree: Everest/Platte//SY Wolf

**Texas A&M AgriLife**

**TAM W-101**
Texas A&M 1971 release. Used in trials as a historical check. This variety has long been surpassed by newer genetics, and it should not be planted for commercial grain production

**TAM 111**
Height: Medium-Tall
Heading Maturity: Medium-Late
Tillering: Intermediate
Pedigree: TAM 107, Centurk, and others

**TAM 112**
Height: Medium-Tall
Heading Maturity: Early
Tillering: Very High
Pedigree: TAM 110 sib, TAM 200, WGRC experimental
**TAM 113**
Height: Medium
Heading Maturity: Medium
Tillering: High
Pedigree: TAM 200, TAM 202, TAM 105, and WGRC experimental

**TAM 114**
Height: Medium
Heading Maturity: Medium
Tillering: Very High
Pedigree: TAM 111, TAM 200, Texas and Nebraska experimentals

**TAM 115**
New Texas A&M AgriLife 2019 release previously tested under TX12A001295. A dual-purpose variety positioned for the Texas High Plains. Resistant to leaf rust, stripe rust, stem rust, green bug and wheat curl mite. A few days later to first hollow stem. Excellent drought tolerance. Excellent bread-making quality.
Height: Medium
Heading Maturity: Medium
Tillering: Intermediate-High
Pedigree: TAM 112 and TX02U2508

**TAM 204**
Texas A&M AgriLife 2014 release marketed by Watley Seed. Positioned for the Texas High Plains, Oklahoma, and southern Kansas. A beardless wheat positioned for heavy grazing and graze-out conditions. Produces good fall ground cover. Not ideal for grain production due to low test weights. Resistant to Hessian fly, wheat curl mite and greenbugs. Moderately resistant to wheat streak mosaic virus. Tolerant to acid soils. Moderately resistant to stripe rust, resistant to stem rust and moderately susceptible to leaf rust.
Height: Medium short
Heading Maturity: Medium late
Tillering: Intermediate-High
Pedigree: TAM 112, Pecos, Mason, Jagger

**TAM 205**
New Texas A&M AgriLife 2019 release previously tested under TX12V7415. A dual-purpose variety positioned for the Texas High Plains and Rolling Plains with good fall forage production. Resistant to leaf rust, stripe rust and stem rust. It is also resistant to the wheat curl mite and wheat streak mosaic virus. It has high test weights. Excellent bread-making quality.
Height: Medium
TAM 304
Texas A&M AgriLife 2007 release marketed by Scott Seed. Consistently high yield potential; well positioned for the Texas High Plains, Kansas and Oklahoma. Moderately susceptible to wheat streak mosaic virus. Resistant to leaf rust and moderately susceptible to stripe rust. Good straw strength makes it suitable for high-input systems. Tolerates heavy grazing.

Heading Maturity: Medium
Tillering: High
Pedigree: X05A650 and RonL

Westbred (Bayer)

WB4303
Westbred (Bayer) 2017 release that is well adapted to the eastern Southern Great Plains, but it also performs well under irrigated conditions in the Texas High Plains and southwestern Kansas. Very good yield potential and straw strength. Very good fall growth and winter hardiness, but it only tolerates limited grazing. Excellent test weights. Intermediate stripe and leaf rust tolerance. Resistant to stem rust. Moderately tolerant to stripe and leaf rust. Good grain quality.

Height: Medium
Heading Maturity: Medium-Early
Tillering: Intermediate
Pedigree: CIMMYT (HV9W10-100)

WB4418
Westbred (Bayer) 2018 release that is well adapted to a broad region across the Southern Great Plains. Very good yield potential and straw strength. Good fall growth and winter hardiness, but it only tolerates limited grazing. Excellent test weights. Moderately resistant to stripe and leaf rusts. Not well suited for areas with low pH.

Height: Medium-Short
Heading Maturity: Medium-Early
Tillering: Intermediate

WB4721 (initially tested as HV9W10-0129)
Westbred (Bayer) 2017 release that is adapted to the Great Plains, but the ideal production region is western Kansas. A good variety for dryland production. Very good fall growth and winter hardiness. Excellent test weights. Moderately resistant to stripe and leaf rust. Intermediate to barley yellow dwarf. Only tolerates limited grazing.

Height: Medium-Tall
Heading Maturity: Medium-Late
Tillering: Very Good
Pedigree: Overly and Overland

WB4792
Westbred (Bayer) 2018 release that is well adapted to a broad region across the Southern Great Plains. Very good yield potential and straw strength. Good winter hardiness. Moderately tolerant to stripe and leaf rusts.

Height: Medium
Heading Maturity: Medium-Late
Tillering: Intermediate
**WB-Grainfield**
Westbred (Bayer) 2012 release positioned for the western central Great Plains (Texas Panhandle and west of I-35). Late maturing variety with very good yield potential and good grazing potential. Good drought tolerance. Moderately resistant to stripe and leaf rust. Moderately susceptible to wheat streak mosaic virus. Good straw strength and shattering reputation.
Height: Medium Tall
Heading Maturity: Medium-Long
Pedigree: Westbred and K-State experimentals

**Winterhawk**
Height: Medium Tall
Heading Maturity: Medium
Pedigree: Westbred experimentals

For further information about wheat production and management in Texas, including our annual High Plains wheat Picks, consult the following websites:

- [http://varietytesting.tamu.edu/wheat/](http://varietytesting.tamu.edu/wheat/)
- [http://amarillo.tamu.edu/amarillo-center-programs/agronomy/wheat-publications/](http://amarillo.tamu.edu/amarillo-center-programs/agronomy/wheat-publications/)
- [http://lubbock.tamu.edu/programs/crops/wheat/](http://lubbock.tamu.edu/programs/crops/wheat/)
- [http://sickcrops.tamu.edu](http://sickcrops.tamu.edu)
- [http://www.texasinsects.org/small-grains.html](http://www.texasinsects.org/small-grains.html)
- [https://wheatfreezeinjury.tamu.edu/](https://wheatfreezeinjury.tamu.edu/)
- [https://texaswheatupdates.tamu.edu/](https://texaswheatupdates.tamu.edu/)