

**Wheat Variety Descriptions and Comments for Varieties
Planted in the Panhandle and
Upper South Plains Variety Trials
2009-2010**

Brent Bean, Panhandle Extension Agronomist,
Jackie Rudd, AgriLife Research Wheat Breeder,
Rob Duncan, Texas AgriLife Extension Wheat Specialist

Trial Locations Near:

- Bushland
- Etter
- Canadian
- Perryton
- Hereford
- Groom
- Silverton
- Tulia
- Clovis
- Floydada

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AP06T3621

AgriPro experimental. First year in trial.

AP503 CL2

AgriPro release in 2008. First year in trial. Clearfield wheat – meaning it is tolerant to the Beyond family of herbicides. Beyond is an effective grass herbicide. Soil-borne mosaic tolerant. Susceptible to leaf and stripe rust. Pedigree: Jagalene genetics.

Maturity: Medium

Height: Medium

ARMOUR

Westbred release in 2008. Second year in Panhandle trials. Average yields in 2009. Best used under irrigation because of short height. Soil-borne mosaic tolerant. Leaf rust resistant and intermediate stripe rust resistance. Pedigree: 2180 and experimental.

Maturity: Early

Height: Short

ART

AgriPro release in 2007. Currently recommended for North-Central Oklahoma. Third year in Panhandle trials. Has generally been average to below average in Panhandle trials. Very good straw strength. Resistant to leaf rust and intermediate resistance to stripe rust. Pedigree: Jagger, AgriPro experimentals.

Maturity: Early

Height: Medium

BILL BROWN

Colorado State release in 2007. Second year in our trials. One of the top varieties in both dryland and irrigated trials in 2009. Short coleoptile. Excellent straw strength. Good leaf rust resistance, but susceptible to stripe rust and stem rust. Pedigree: Yumar and Arlin.

Maturity: Medium

Height: Medium

BILLINGS (OK03522)

Oklahoma release in 2009. Second year in our trials. Above average yields in our irrigated trial in 2009. Large seed size. Not recommended for grazing due to poor tiller survival. Good stripe and leaf rust resistance. Intermediate wheat streak mosaic tolerance. Pedigree: Pioneer

experimental, Ukrainian line.
Maturity: Early
Height: Medium tall

BULLET

Oklahoma release in 2005. Inconsistent, but generally average to slightly above average yield in dryland and irrigated trials. Susceptible to leaf and stripe rust. Soil-borne mosaic resistant. Medium-long coleoptile. Sensitive to high temperatures at planting (seed less than one year old). Excellent milling and baking qualities with a high test weight. Pedigree is Jagger and a KS experimental line.

Maturity: Medium-early
Height: Medium tall

CJ

AgriPro new release. First year in trial. Developed for planting into high residue. Susceptible to stripe rust.

Maturity: Very early
Height: Medium

DOANS

AgriPro release in 2007. Average yield in dryland and irrigated trials in the Panhandle. Good leaf and stripe rust resistance, but susceptible to powdery mildew. Also resistant to soil-borne mosaic virus. Can be planted deeper due to long coleoptile. Good quality and test weight.

Pedigree: Coronado, Jagger, 2137, Karl 92, and experimentals.
Maturity: Medium
Height: Medium-tall

DUMAS

2000 AgriPro release. Has been a very good variety under full irrigation. Good fall forage potential. Excellent straw strength. Now susceptible to stripe rust. High test weight. Coleoptile length is medium. Pedigree: AgriPro experimentals.

Maturity: Medium-early
Height: Medium

DUSTER

Oklahoma release in 2006. Generally above average yield in almost all of Panhandle dryland and irrigated trials. Soil-borne mosaic and leaf rust resistant. Intermediate stripe rust resistance. Resistant to Hessian fly. Short coleoptile and should not be planted too deep. Pedigree: Pioneer experimentals, Ogallala, Newton, Centurk.

Maturity: Medium
Height: Medium-tall

ENDURANCE

Oklahoma release in 2004. Above average dryland and irrigated yield in Panhandle trials. Dual purpose wheat. Late to first hollow stem. Intermediate leaf rust resistance, but susceptible to stripe rust. Soil-borne mosaic resistant. Can be planted deep due to long coleoptile. Good straw strength.

Pedigree: 2180, Siouxland, TAM 105, Experimental.
Maturity: Medium-late
Height: Medium

FANNIN

AgriPro release in 2005. High test weight. Excellent grazing potential in the fall. Good foliar disease package, including resistance to leaf rust, stripe rust and powdery mildew. Good yield potential in South Texas, the Blacklands and Rolling Plains but yield has been below average in the Panhandle.

Maturity: Medium-early
Height: Medium-tall

FULLER

Kansas release in 2006. One of the best yielding varieties in dryland and irrigated trials in 2006 and 2007 but only average in 2008 and 2009. Medium-short coleoptile. Resistant to leaf rust but susceptible to stripe rust. Soil-borne mosaic tolerant. Pedigree: Jagger and experimentals.

Maturity: Early
Height: Medium-tall

GREER (AP06T3832)

AgriPro new release. Third year in our trial. Yield has been average in Panhandle trials. Intermediate leaf and stripe rust resistance.

HATCHER

Colorado release in 2005. One of the best varieties in the 2008 and 2009 dryland and irrigated trials. One of the most consistent high yielding wheat in our dryland trials the last four years. Susceptible to leaf rust and intermediate resistance to stripe rust. Very good drought tolerance, but not necessarily good heat tolerance. Straw strength is questionable. Pedigree: Yumar, Vista, KS experimental.

Maturity: Medium short
Height: Medium

JACKPOT

AgriPro release in 2008. Fourth year in our trials. Yield has generally been below average in Panhandle trials. Very susceptible to leaf and stripe rust. Soil-borne mosaic resistant. Considered a good variety to plant late following a summer crop. Good milling and baking characteristics. High test weight. Pedigree: Victory and experimentals.

Maturity: Early
Height: medium-tall

JAGALENE

2002 AgriPro release. Good yield potential under full and limited irrigation. Now susceptible to leaf and stripe rust. Good grazing potential and good straw strength. Can have some shattering if harvest is delayed. Very good test weight. Does not joint as early as Jagger. Coleoptile length is medium. Pedigree: Jagger and Abilene.

Maturity: Medium-early
Height: Medium

JAGGER

Kansas release in 1994. Excellent yield potential under irrigated and dryland conditions. Main weakness is susceptible to spring freeze injury. Can shatter. Good milling and baking qualities. Has modest tolerance to barley yellow dwarf and wheat streak mosaic. Soil-borne mosaic resistant. Susceptible to leaf and stripe rust.

Maturity: Early

Height: Medium

MACE

Nebraska release in 2007. First year in our trials. Wheat streak mosaic resistant.

Pedigree: Yuma, Arlin, Lancota, Siouxland, KSU experimental.

Maturity: Medium late

Height: Medium

OK05511

Oklahoma experimental.

OK05212

Oklahoma experimental

OK05526

Oklahoma experimental. Second year in trial. Above average yield in dryland and irrigated trials in 2009.

PETE

Oklahoma release in 2009. First year in our trials. **Beardless**. Dual purpose wheat. Soil-borne mosaic tolerant.

Maturity: Medium early

Height: Medium

SANTA FE

Released in 2003 by Westbred. Slightly later than Jagger in maturity but earlier than Jagalene. Average to slightly above average yield in dryland and irrigated trials. Recommendation is to use on full or limited irrigation. Medium-long coleoptile. Soil-borne mosaic tolerant. Good leaf rust resistance and intermediate stripe rust resistance. Pedigree: Jagger, G1878.

Maturity: Medium early

Height: Medium short

SHOCKER

Westbred release in 2006. Yields have been average but very poor yields in 2009. Touted as having good fall forage production. Long coleoptile. Resistant to soil-borne mosaic.

Intermediate leaf rust resistance and susceptible to stripe rust. Pedigree: Jagger, Tomahawk, Freedom (soft).

Maturity: Early

Height: Medium

SY GOLD (AP00x0100-51)

AgriPro experimental. First year in trial.

TAM W 101

Texas AgriLife release in 1971. Used in our trials primarily as a historical check.

TAM 111

Texas AgriLife release in 2003. Marketed by AgriPro. Very consistent high yielding variety under dryland and irrigated conditions. Good stripe rust resistance but susceptible to leaf rust. Good straw strength and unlikely to shatter. Good overall variety for the Panhandle under most conditions. Medium-long coleoptile. Good quality. Pedigree: TAM 107, Centurk, and others.
Maturity: Medium
Height: Medium-tall

TAM 112

Texas AgriLife release in 2005. Marketed by Watley Seed. Very consistent high yielding variety under dryland or limited irrigated conditions. Greenbug resistant. Some tolerance to wheat streak mosaic. Susceptible to leaf and stripe rust. Excellent dryland or limited irrigated wheat yield potential. Straw strength could be questionable under full irrigation. Unlikely to shatter. Pedigree: TAM 110 sibling, TAM 200, Experimentals.
Maturity: Early
Height: Medium

TAM 203

Texas AgriLife release in 2007. Marketed by AgriPro. Early to hollow stem with low vernalization requirement (can be planted very late). Soil-borne mosaic resistance. Resistant to leaf rust and has intermediate resistance to stripe rust. Slightly above average yield in the Panhandle irrigated trials. Although test weight has been generally below average, baking quality has been good under a wide range of conditions. Pedigree: Nothing familiar.
Maturity: Medium-early
Height: Medium

TAM 304

Texas AgriLife release in 2007. Marketed by Scott Seed. Good leaf rust resistance and intermediate resistance to stripe rust. Best fit will be in Blacklands of Texas, however, above average yield in Panhandle irrigated trials. Average to slightly above average dryland yield. Good straw strength. Lower than average test weight, but good baking quality. Pedigree: Nothing familiar.
Maturity: Medium-early
Height: Short

TAM 401

Texas AgriLife release in 2008. Best described as a **beardless** version of Jagger with good leaf and stripe rust resistance. Fall forage yield has been very good. Good grain yield for a beardless wheat.
Maturity: Early
Height: Medium

TX02A0252

Texas AgriLife experimental. Second year in trials. Considered for release this summer. Excellent yield and bread-making quality in High Plains irrigated and dryland trials. Similar height and maturity as TAM 111. Good leaf and stripe rust resistance. Pedigree: TAM 200, Texas experimentals.

TX05A001822

AgriLife Experimental. First year in trial.

TX06A001263

AgriLife Experimental. First year in trial.

T81

Trio Seed Research release in 1997. Consistently above average yield in Panhandle dryland trials. Reputation for good forage potential in the fall. Can be a little hard to thresh, but does not shatter. Good straw strength. Susceptible to leaf rust but moderately resistant to stripe rust. Coleoptile length is medium short. Pedigree: TAM 107, TAM 108, Lancota.
Maturity: Medium early
Height: Medium short

T136

Trio Seed Research release in 2005. Second year in our trials. Average yield in irrigated and dryland trials in 2009. Soil-borne mosaic resistant. It is susceptible to both leaf and stripe rust. May have some wheat streak mosaic tolerance. Good drought tolerance. Coleoptile length is medium short. Pedigree: Jagger and T811 (selection from T81).
Maturity: Early
Height: Medium short

T197

Trio Research Release. First year in our trials.

WINTERHAWK

Westbred release in 2007. First year in our trials. Large seed size. Resistant to stripe rust but susceptible to stripe and stem rust. Adapted to Western Kansas. Pedigree: Experimentals.
Maturity: Medium
Height: Medium tall