

**Wheat Variety Descriptions and Comments for Varieties  
Planted in Panhandle and Upper South Plains Variety Trials**

**2008-2009**

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**AP06T3519**

AgriPro experimental. First year in trial.

**AP06T3832**

AgriPro experimental. Second year in trial.

**AP06TA4520**

AgriPro experimental. First year in trial.

**AP06TW4822**

AgriPro experimental. First year in trial.

**Armour**

Westbred release in 2008. First year in our trials. Performed well in Kansas trials in 2008. Leaf and stripe rust resistant. Soil-borne mosaic and powdery mildew resistant. Good straw strength. Pedigree: 2180 and experimentals.

Maturity: Early

Height: Short

**ART**

AgriPro release in 2007. Currently recommended for North-Central Oklahoma. Second year in Panhandle trials. Stripe rust resistant and good tolerance to barley yellow dwarf. Very good straw strength. Pedigree: Jagger, AgriPro experimentals.

Maturity: Early

Height: Medium

**Bill Brown**

Colorado State release in 2007. First year in our trials. Very good yields in KSU, CSU, Nebraska trials. Short coleoptile. Questionable straw strength under irrigation. Russian wheat aphid tolerant. Leaf rust resistant with moderate stripe rust resistance. Pedigree: Yumar and Arlin.

Maturity: Medium

Height: Medium

### **BULLET**

Oklahoma release in 2005. Inconsistent, but generally average to slightly above average yield in dryland and irrigated trials. Moderate resistant to stripe rust. Soil-borne mosaic resistant. Also has good tan spot and septoria resistance which might make this variety a good choice in no-till. 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

### **DELIVER**

Oklahoma release in 2004. **Beardless** variety. Good grazing potential. Can plant early for grazing. Late to first hollow stem. Test weight very good. Soil-borne mosaic resistant. Can lodge. Grain yield has been better than other beardless varieties on the market although will likely be challenged in the future by TAM 401. Pedigree: Karl, Chisholm, Experimental.

Maturity: Medium-late

Height: Medium

### **DOANS (AGRIPRO 4342)**

AgriPro release in 2007. In four years of testing yield has been average in dryland and irrigated trials in the Panhandle. Very good leaf and stripe rust resistance. Also resistant to soil borne mosaic virus. 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. Moderate stripe rust tolerance. 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 our dryland and irrigated trials the last three years. Soil-borne mosaic and leaf rust resistant. Intermediate stripe rust tolerance. Pedigree: Pioneer experimentals, Ogallala, Newton, Centurk.

Maturity: Medium

Height: Medium-tall

### **ENDURANCE**

Oklahoma release in 2004. Above average dryland and irrigated yield in our trials the last four years. Dual purpose wheat. Late to first hollow stem. Moderate leaf rust tolerance. Soil-borne mosaic resistant. Coleoptile length medium long. 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 leaf rust, stripe rust and powdery mildew. Good yield potential in the Blacklands and Rolling Plains but yield has been below average in the Panhandle.

Maturity: Medium-early

Height: Medium-tall

### **FULLER (KS00F5-14-7)**

Kansas release in 2006. One of the best varieties in dryland and irrigated trials in 2006 and 2007. In 2008 yield under irrigated was average but above average in dryland trials. Stripe and leaf rust resistant. Intermediate wheat streak mosaic resistance. Pedigree: Jagger and experimentals.

Maturity: Early

Height: Medium-tall

### **HATCHER**

Colorado release in 2005. One of the two best varieties in the 2008 dryland and irrigated trials. One of the most consistent high yielding wheat in our dryland trials the last three years.

Moderate resistant to stripe rust. Russian wheat aphid resistant. Very good drought tolerance, but not necessarily good heat tolerance. Straw strength is questionable. Pedigree: Yumar, Vista, KS experimental.

Maturity: Medium

Height: Medium

### **Jackpot (AP04T8211)**

AgriPro release in 2008. Third year in our trials. Yield thus far has been inconsistent in irrigated and dryland trials. Leaf rust, stripe rust, and powdery mildew resistant. 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. Stripe rust resistant. 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. Stripe rust resistant.

Maturity: Early

Height: Medium

### **OK03522 (Billings)**

Oklahoma experimental

### **OK04525**

Oklahoma experimental

### **OK05526**

Oklahoma experimental

### **OVERLEY**

Kansas release in 2003. Yield in the Panhandle since 2006 has been average unless stripe rust is present. Soil borne mosaic and stripe rust tolerant. Lodging and shattering can be a problem.

Excellent grain quality. Coleoptile is medium long. Short vernalization requirement so it can be planted late. Pedigree: Jagger, Heyne, and leaf rust resistant TAM 107.

Maturity: Early

Height: Medium-tall

### **SANTA FE**

Released in 2003 by Westbred. Slightly later than Jagger in maturity but earlier than Jagalene. Slightly above average yield in dryland and irrigated trials in 2006 and 2007, but only average in 2008. Recommendation is to use on full or limited irrigation. Moderate resistance to stripe rust and has soil-borne mosaic and leaf rust resistance. Pedigree: Jagger, G1878.

Maturity: Medium early

Height: Medium short

### **SHOCKER**

Westbred release in 2006. Third year in our trials. Yield thus far has been average. Touted as having good fall forage production. Resistant to stripe rust and soil-borne mosaic. Moderate resistance to leaf rust. Pedigree: Jagger, Tomahawk, Freedom (soft).

Maturity: Early

Height: Medium

### **TAM 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. Over the last four years it has been one of the best yielding varieties in irrigated and dryland trials. Stripe rust resistant. Good straw strength and unlikely to shatter. Should be a very 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. One of the two best varieties in the 2008 dryland and irrigated trials. Greenbug tolerant. Good tolerance to wheat streak mosaic. Very susceptible to 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 (TX01V5314)**

Texas AgriLife release in 2007. Marketed by AgriPro. Early to hollow stem with low vernalization requirement. Leaf and stripe rust resistant along with soil-borne mosaic resistance. Slightly above average yield over the last four years 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 (TX01D3232)**

Texas AgriLife release in 2007. Marketed by Scott Seed. Good leaf rust resistance and moderate resistance to stripe rust. Best fit will be in Blacklands of Texas, however, excellent yield in the Panhandle trials the last four years irrigation. 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 (TX03M1096)**

Texas AgriLife release in 2008. Best described as a **beardless** version of Jagger. Fall forage yield has been very good. Grain yield has been similar to Jagger. Good leaf and stripe rust resistance. Maturity: Early

Height: Medium

### **TX01V5134RC-3**

Early maturity with low vernalization requirement. Likely best fit will be central and south Texas. Pedigree: TAM-200/Jagger.

### **TX02A0252**

Texas AgriLife experimental. Excellent yield and bread-making quality in High Plains irrigated trials. Above average yield in dryland trials. Similar height and maturity as TAM 111. Good leaf and stripe rust resistance. Pedigree: TAM 200, Texas experimentals.

**TX03A0148**

Texas AgriLife experimental. **Beardless** wheat with good disease resistance. Should be good for grain, dual purpose, or graze-out. Maturity similar to Deliver. Pedigree: Nothing familiar.

**TX04V075080**

Yields very well under irrigation with high inputs. Pedigree:Jagger/TX experimental.

**T81**

Trio Seed Research release in 1997. In four years of testing in the Panhandle we have seen above average yields in our trials, particularly under dryland conditions. Reputation for good forage potential in the fall. Can be a little hard to thresh, but does not shatter. Good straw strength. Moderate resistant to stripe rust and resistant to powdery mildew. Coleoptile length is medium short. Pedigree: TAM 107, TAM 108, Lancota.

Maturity: Medium early

Height: Medium short

**T136**

Trio Seed Research release in 2005. First year in our trials. Stripe rust and soil-borne mosaic resistant. Good drought tolerance. Coleoptile length is medium short. Pedigree: Jagger and T811(selection from T81).

Maturity: Early

Height: Medium short