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
under irrigation because of short height. Soil-borne mosaic tolerant. Leaf rust resistant and
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**
Maturity: Medium-early
Height: Medium

**DUSTER**
Maturity: Medium
Height: Medium-tall

**ENDURANCE**
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**
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**
Maturity: Early
Height: medium-tall

**JAGALENE**
Maturity: Medium-early
Height: Medium
JAGGER
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

PETE
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.
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
Maturity: Medium
Height: Medium-tall

TAM 112
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
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

TX05A001822
AgriLife Experimental. First year in trial.

TX06A001263
AgriLife Experimental. First year in trial.

T81
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