

DUSTER

Characteristics

Barley yellow dwarf: Moderately susceptible
Hessian fly: Resistant
Leaf rust: Resistant
Powdery mildew: Moderately resistant
Septoria leaf blotch: Moderately susceptible
Soil-borne mosaic: Resistant
Stripe rust: Intermediate
Tan Spot: Susceptible
Wheat streak mosaic: Resistant

Ability to fill from stem: Good
Ability to hold dormancy: Intermediate
Acid soil tolerance: Tolerant
Coleoptile length: Medium
Drought tolerance: Average
Fall ground cover capability: Very good
Grazing potential in fall: Very good
Height: Medium tall
Maturity: Medium
Milling and baking quality: Acceptable
Protein: Below average
Seed size: Medium
Shattering reputation: Very good
Sprouting tolerance: Below average
Straw strength: Fair
Test weight: Good
Yield potential where adapted: Excellent
Pedigree: Pioneer experimentals, one of the parents
Of Ogallala, Newton, Centurk
Variety protection status: Applied for
Year of release: 2006

Comments

Duster was released May, 2006 and is exclusively licensed to Oklahoma Genetics, Inc. Duster has no apparent geographic limitations throughout Oklahoma, and it apparently extends well north and south of Oklahoma. Its resistance to leaf rust remains undefeated as of May, 2006 both in Oklahoma and in Texas. With added tolerance to low-pH soils, Duster pulls together into one variety the strengths of Endurance and OkBullet.

A tendency toward smaller kernel size is its primary weakness. Other relatively minor limitations include susceptibility to all biotypes of greenbug and Russian wheat aphid, and moderate susceptibility to lodging that becomes most apparent under conditions of rank vegetative growth. One of Duster's characteristics is that it emerges and covers the ground quickly, even under drier soil conditions. This trait also makes it more susceptible than most red wheats to preharvest sprouting under very wet conditions at harvest. It grows rapidly in the fall, similar to Jagger, and is well suited for fall grazing. Duster has relatively thin stems that can break or lay down flat under high water or high fertility conditions. There is no Jagger in its pedigree.

Strengths:

- Resistant to Hessian fly
- Resistant to leaf rust
- Rapid growth in fall
- Good tolerant to low-pH soils
- Very good yield recovery after grazing

Weaknesses:

- Intermediate to stripe rust
- Below-average straw strength

Special notes on cultural practices:

- Tan spot could cause problems when used in continuous no-till wheat.
- Performs best when planted early and grazed.