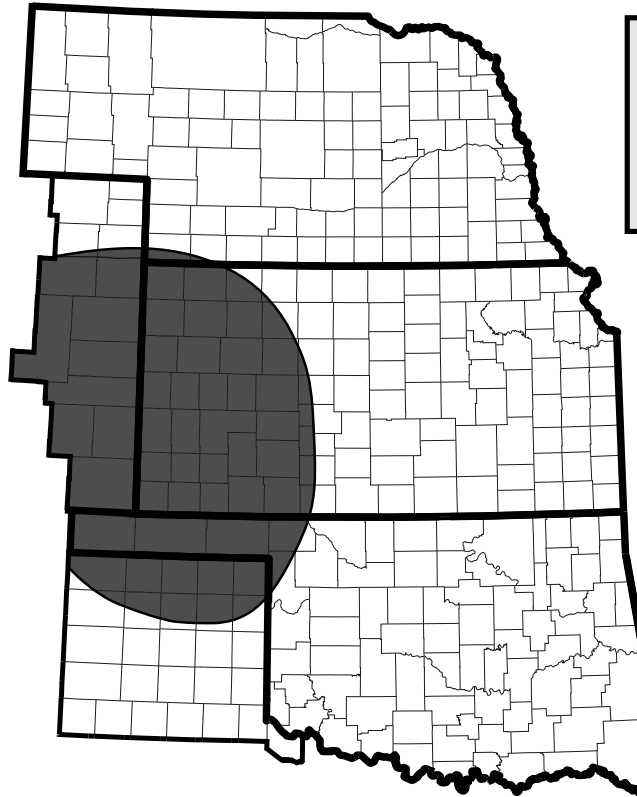


# OAKLEY CL

Optimal economic uses:

- XX** Grain only
- X** Grain plus limited grazing
- Heavy grazing plus grain
- Pasture graze-out



- **Licensee:** Kansas Wheat Alliance
- **Developer:** K-State Agricultural Research Center—Hays
- **Pedigree:** Above, Danby, K-State experimental KS03HW10
- **Year Released:** 2013
- **Variety Protection:** PVP

## Characteristics

|                                    |                        |
|------------------------------------|------------------------|
| Barley yellow dwarf                | Intermediate           |
| Hessian Fly                        | Susceptible            |
| Leaf Rust                          | Moderately Resistant   |
| Stem Rust                          | Resistant              |
| Stripe Rust                        | Moderately Resistant   |
| Powdery Mildew                     | Resistant              |
| FHB (Scab)                         | Intermediate           |
| Septoria Leaf Blotch               | Intermediate           |
| Soilborne mosaic                   | Moderately Susceptible |
| Tan Spot                           | Intermediate           |
| Wheat Streak Mosaic                | Moderately Resistant   |
| Acid Soil Tolerance                | Susceptible            |
| Coleoptile Length                  | Medium Long            |
| Drought Tolerance                  | Good                   |
| Early Spring Greenup               | Starts later than most |
| Fall Ground Cover Capability       | Average                |
| Fall Grazing Potential             | Average                |
| Height                             | Medium Tall            |
| Maturity (Heading Date)            | Medium Late            |
| Protein                            | Average                |
| Quality: Baking                    | Very good to excellent |
| Quality: Milling                   | Exceptional            |
| Seed Size                          | Medium                 |
| Shattering Reputation              | Very Good              |
| Straw Strength                     | Average                |
| Test Weight                        | Good                   |
| Tillering                          | High                   |
| Winterhardiness                    | Very Good              |
| Overall Yield Record Where Adapted | Excellent              |

## Comments:

Oakley CL is a strong dryland variety for the High Plains, where genetic resistance to wheat streak mosaic virus (WSM2 gene carrier) has been beneficial.

Oakley CL has a medium-long coleoptile, very good shattering resistance, and average straw strength.

As a single-gene Clearfield variety, it cannot tolerate the high rate of Beyond herbicide or methylated seed oils that improve that herbicide's performance.

In general, Oakley CL has a very strong yield record where adapted and can do well under irrigation. In colder years, it has shown the ability to rebound from cold injury.

## Strengths:

- Moderately resistant to wheat streak mosaic, though not effective at high temperatures
- Moderately resistant to stem rust and stripe rust
- Very good drought tolerance

## Weaknesses:

- Average straw strength
- Moderately susceptible to acid soils, soilborne mosaic virus
- Susceptible to Triticum mosaic virus

- Special notes on cultural practices:**
- Make sure this variety is treated as a single-gene Clearfield, not a two-gene Clearfield. Otherwise, the crop can suffer severe injury.