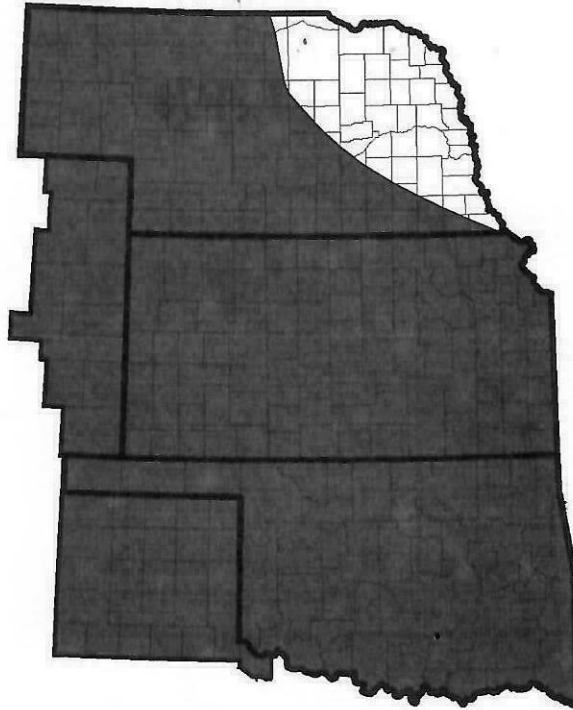


WB4422

Optimal Uses

- | | |
|----------|----------------------------|
| X | Grain only |
| X | Grain plus limited grazing |
| | Heavy grazing plus grain |
| | Pasture graze-out |
| X | Irrigation |
| X | Dryland |



- **Class:** Hard Red Winter
- **Licensee:** WestBred - Bayer
- **Developer:** WestBred - Bayer Crop Science
- **Pedigree:** Undisclosed
- **Year Released:** 2021
- **Variety Protection:** PVP

DISEASE & PEST RATINGS

Barley yellow dwarf	Moderately Susceptible
Hessian Fly	Moderately Susceptible
Leaf Rust	Resistant
Stem Rust	Intermediate
Stripe Rust	Susceptible
Powdery Mildew	Intermediate
Scab (<i>Fusarium</i> HB)	Moderately Susceptible
Septoria Leaf Blotch	Intermediate
Soilborne Mosaic	Resistant
Tan Spot	Moderately Resistant
Wheat Stem Sawfly	Susceptible
Wheat Streak Mosaic	Intermediate

AGRONOMICS

Acid Soil Tolerance	Moderately Susceptible
Coleoptile Length	Medium-Short
Drought Tolerance	Very Good
Early Spring Greenup	Good
Fall Ground Cover Capability	Very Good
Fall Grazing Potential	Very Good
Height	Medium-Tall
Maturity (Heading Date)	Medium
Protein	Above Average
Quality: Baking	Acceptable
Quality: Milling	Desirable/Acceptable
Seed Size	Medium
Shattering Reputation	Excellent
Straw Strength	Excellent
Test Weight	Very Good
Tillering	Very High
Winterhardiness	Excellent
Overall Yield Record	Excellent

Comments:

WB4422 is a medium maturity, medium-tall variety with very good straw and excellent test weight. WB4422 is broadly adapted across the Central and Southern plains. WB4422 holds dormancy well in the spring, and actually heads slightly later than its harvest maturity implies.

It has an excellent yield record in WestBred, showing above-average seedling vigor, and displays very good fall forage potential.

Strengths:

- Broadly adapted
- Excellent yield
- Good drought tolerance

Weaknesses:

- Stripe rust
- Acid soil
- Hessian Fly
- Sawfly

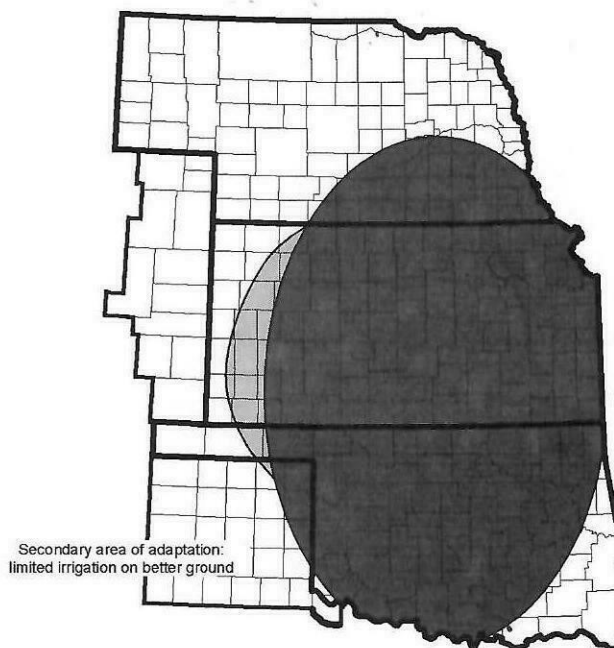
Special notes on cultural practices:

- WB4422 should be treated with a fungicide when rust or FHB occur.

KS PROVIDENCE

Optimal Uses

XX	Grain only
X	Grain plus limited grazing
	Heavy grazing plus grain
	Pasture graze-out
X	Irrigation
X	Double Crop



- **Class:** Hard Red Winter
- **Licensee:** Kansas Wheat Alliance
- **Developer:** Kansas State University Research Foundation
- **Pedigree:** KS060634K-8/ KS040640K-1
- **Year Released:** 2022
- **Variety Protection:** PVP



Video Link

DISEASE & PEST RATINGS

Barley yellow dwarf	Intermediate
Hessian Fly	Moderately Susceptible
Leaf Rust	Moderately Resistant
Stem Rust	Moderately Resistant
Stripe Rust	Intermediate
Powdery Mildew	Moderately Resistant
Scab (FusariumHB)	Intermediate
Septoria Leaf Blotch	Intermediate
Soilborne Mosaic	Resistant
Tan Spot	Moderately Resistant
Wheat Streak Mosaic	Intermediate

AGRONOMICS

Acid Soil Tolerance	Moderate
Coleoptile Length	Very Long
Drought Tolerance	Good
Early Spring Greenup	Average
Fall Ground Cover Capability	Good
Fall Grazing Potential	Good
Height	Medium
Maturity (Heading Date)	Medium
Protein	Above Average
Quality: Baking	Acceptable
Quality: Milling	Acceptable
Seed Size	Medium
Shattering Reputation	Good
Straw Strength	Excellent
Test Weight	Very Good
Tillering	High
Winterhardiness	Very Good
Overall Yield Record	Excellent

Comments:

KS Providence is an extremely high yielding variety with good resistance to leaf and stem rust. It is intermediate to stripe rust, resistant to soil-borne mosaic virus and has an intermediate response to acid soils. The FHB resistance will likely be adequate for producers in the central corridor, with a very good Intermediate rating.

The primary benefit of this line is very high yield potential. Its area of adaptation has been extended west to include using on irrigation and better ground.

Strengths:

- High yield
- Very consistent performance across the region

Weaknesses:

- Consider use of foliar fungicide for top yield

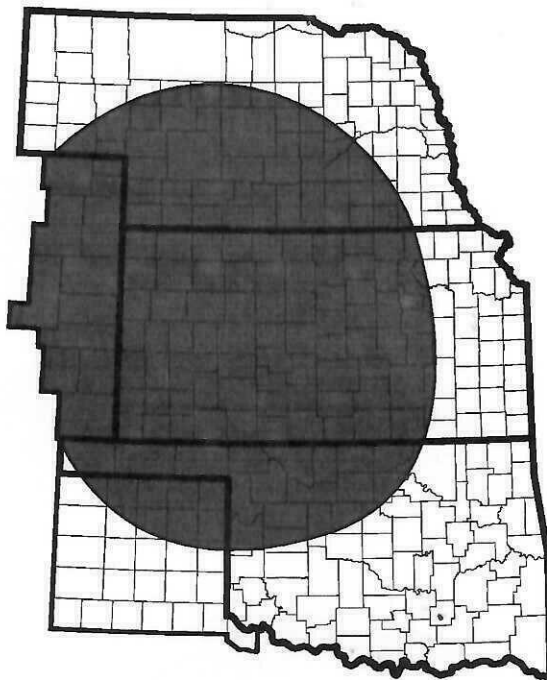
Special notes on cultural practices:

- Acid soil tolerance is good down to 5.5 pH with starter

KS BILL SNYDER

Optimal Uses

XX	Grain only
X	Grain plus limited grazing
	Heavy grazing plus grain
	Pasture graze-out
X	Irrigation
X	Double Crop



- **Class:** Hard Red Winter
- **Licensee:** Kansas Wheat Alliance
- **Developer:** Kansas State University Research Foundation
- **Pedigree:** KS11HW15/ KS060476-M-6
- **Year Released:** 2023
- **Variety Protection:** PVP, SSU

DISEASE & PEST RATINGS

Barley yellow dwarf	Intermediate
Hessian Fly	Susceptible
Leaf Rust	Resistant
Stem Rust	Moderately Resistant
Stripe Rust	Resistant
Powdery Mildew	Moderately Resistant
Scab (FusariumHB)	Very Susceptible
Septoria Leaf Blotch	Intermediate
Soilborne Mosaic	Moderately Resistant
Tan Spot	Moderately Resistant
Wheat Streak Mosaic	Moderately Resistant

AGRONOMICS

Acid Soil Tolerance	Intermediate
Coleoptile Length	Medium
Drought Tolerance	Excellent
Early Spring Greenup	Average
Fall Ground Cover Capability	N/A
Fall Grazing Potential	Good
Height	Medium-Short
Maturity (Heading Date)	Medium
Protein	Average
Quality: Baking	More Desirable
Quality: Milling	More Desirable
Seed Size	N/A
Shattering Reputation	Good
Straw Strength	Excellent
Test Weight	Very Good
Tillering	High
Winterhardiness	Very Good
Overall Yield Record	Excellent

Comments:

From Kansas Wheat Alliance, KS Bill Snyder (2023)(KS19H10) is a very high yielding line out of the K-State Hays breeding program, named for the revered K-State football coach. It is a medium maturity and medium-short height variety that was #1 in the SRPN in 2022. KS Bill Snyder has a solid disease package with good resistance to stripe, leaf and stem rusts, along with moderate resistance to wheat streak mosaic virus and intermediate resistance to Triticum mosaic virus. It is also resistant to Soilborne Mosaic virus allowing it to move into Central Kansas where it has also shown decent yield potential.

KS Bill Snyder has good drought tolerance, high tillering capacity, and produces good quality grain.

KS Bill Snyder is a Top Performer in Kansas, and listed as a Grain Craft preferred variety.

Strengths:

- Very high yield potential
- WSMV and TRIMV Resistance
- High tillering capacity

Weaknesses:

- Lower temperature threshold for WSMV resistance
-

Special notes on cultural practices:



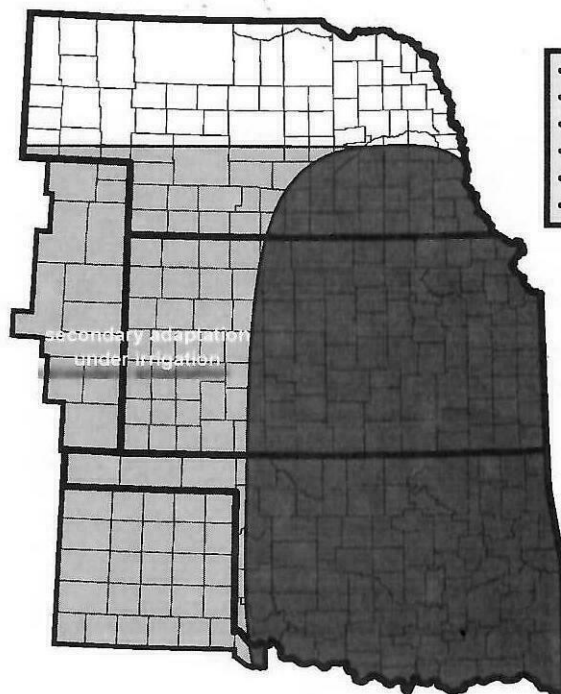
WHEAT
ALLIANCE

SINGLE SEASON USE

AP PROLIFIC

Optimal Uses

- X** Grain only
- X** Grain plus limited grazing
- X** Heavy grazing plus grain
- X** Pasture graze-out
- X** Irrigation
- X** Double Crop



- **Class:** Hard Red Winter
- **Licensee:** AgriPro Syngenta
- **Developer:** AgriPro Syngenta
- **Pedigree:** Everest/ APH09T9506 Exp.
- **Year Released:** 2022
- **Variety Protection:** PVP



Video Link

DISEASE & PEST RATINGS

Barley yellow dwarf	Moderately Resistant
Hessian Fly	Susceptible
Leaf Rust	Moderately Resistant
Stem Rust	Moderately Resistant
Stripe Rust	Intermediate
Powdery Mildew	Moderately Susceptible
Scab (FusariumHB)	Moderately Resistant
Septoria Leaf Blotch	Moderately Resistant
Soilborne Mosaic	Resistant
Tan Spot	Intermediate
Wheat Streak Mosaic	Intermediate

AGRONOMICS

Acid Soil Tolerance	Tolerant
Coleoptile Length	Long
Drought Tolerance	Good
Early Spring Greenup	Moderate
Fall Ground Cover Capability	Very High
Fall Grazing Potential	Very Good
Height	Medium
Maturity (Heading Date)	Medium
Protein	Above Average
Quality: Baking	Acceptable
Quality: Milling	Acceptable
Seed Size	Medium
Shattering Reputation	Good
Straw Strength	Good
Test Weight	Excellent
Tillering	Extremely High
Winterhardiness	Very Good
Overall Yield Record	Excellent

Comments:

AP Prolific, AgriPro, is a hard red winter wheat with high yield potential, proving to be a consistent performer for the Central Corridor, and a secondary area of adaptation west on irrigation.

AP Prolific tillers high, and has excellent resistance /tolerance to leaf rust. It is among the best in its class for resistance to Fusarium Head Blight especially, (Moderately Resistant is the highest resistance FHB rating possible in this book).

AP Prolific is also rated highest for resistance to Soilborne Mosaic, and tolerance to low pH soils —all lending themselves to the needs of the area.

AP Prolific is a Top Pick for irrigation on the Texas High Plains.

Strengths:

- Highest rating for Scab (FusariumHB) tolerance
- Good leaf rust tolerance
- Low pH tolerance (Aluminum Tolerance)
- High tillering

Weaknesses:

- Hessian fly

Special notes on cultural practices:

- Manage for straw strength under irrigation with a lower seeding rate

WB4445CLP

Optimal Uses

X

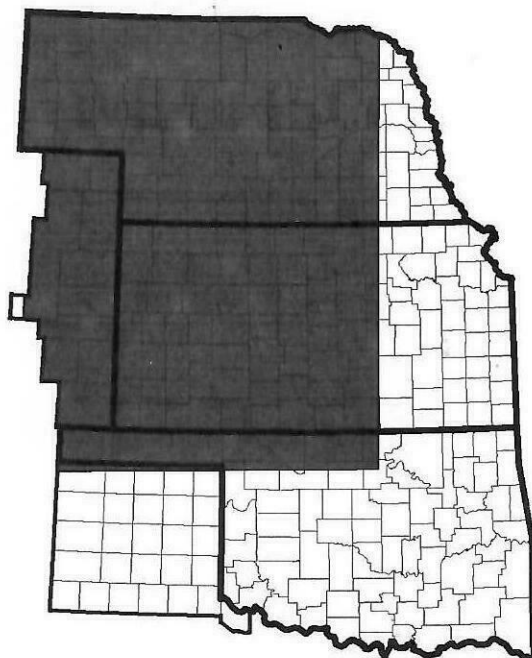
Grain only

Grain plus
limited grazingHeavy grazing
plus grain

Pasture graze-out

Dairy Silage

Double Crop



- Class: Hard Red Winter, Clearfield
- Licensee: WestBred Bayer
- Developer: WestBred Bayer
- Pedigree: Undisclosed
- Year Released: 2024
- Variety Protection: PVP, CSO



DISEASE & PEST RATINGS

Barley yellow dwarf	N/A
Hessian Fly	Susceptible
Leaf Rust	Moderately Susceptible
Stem Rust	N/A
Stripe Rust	Intermediate
Powdery Mildew	N/A
Scab (FusariumHB)	Moderately Susceptible
Septoria Leaf Blotch	N/A
Soilborne Mosaic	Moderately Susceptible
Tan Spot	Moderately Susceptible
Wheat Streak Mosaic	Moderately Resistant
Wheat Stem Sawfly	Susceptible

AGRONOMICS

Acid Soil Tolerance	Intermediate
Coleoptile Length	Medium
Drought Tolerance	Very Good
Early Spring Greenup	Very Good
Fall Ground Cover Capability	Very Good
Fall Grazing Potential	Very Good
Height	Medium-Tall
Maturity (Heading Date)	Medium
Protein	Above Average
Quality: Baking	Most Desirable
Quality: Milling	Most Desirable
Seed Size	Medium
Shattering Reputation	N/A
Straw Strength	Good
Test Weight	Very Good
Tillering	Medium High
Winterhardiness	Excellent
Overall Yield Record	Very Good

Comments:

WB4445CLP is a Hard Red Winter Clearfield® Plus wheat variety with excellent milling and baking quality. Broadly adapted across the Central Plains, this variety has very good Wheat Streak Mosaic Virus tolerance and very good drought tolerance.

WB4445CLP is a top performer in Northwest Kansas. Listed as a Grain Craft Preferred Variety.

Strengths:

- Excellent yield potential
- Excellent protein and quality
- Excellent drought tolerance

Weaknesses:

- Hessian Fly
- Wheat Stem Sawfly.

Special notes on cultural practices:

- 2-Gene Clearfield varieties are Certified Seed Only

