



Gallagher Smith's Gold

Hardworking wheat: Like father, like son

Breeder's Bullets

GOLD STANDARD

The stripe rust resistance in Smith's Gold is one of OSU's finest and represents a step change over Gallagher, though unexplainable by the sensitive parents of Smith's Gold.

CHIPS AND A CHALLENGE

Smith's Gold was conceived in a conversation over chips and a beverage at a Stillwater Mexican restaurant with wheat breeder David Worrall. We each set out to combine resistance to Hessian fly and greenbug in the same variety, previously not available.



Dr. Brett Carver
Oklahoma State Wheat Breeder

TRADEMARKS



Breeding system that imparts selection pressure for adaptation to early-planted, stocker-cattle-grazed systems.

Industry-guided designation for end-use quality well above the norm, with preferred milling and baking characteristics.

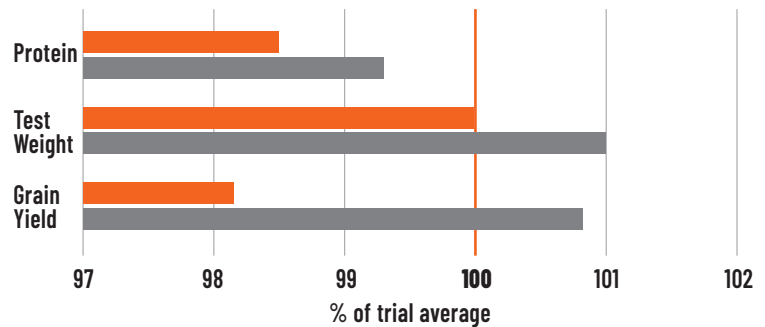


GREATER TENACITY

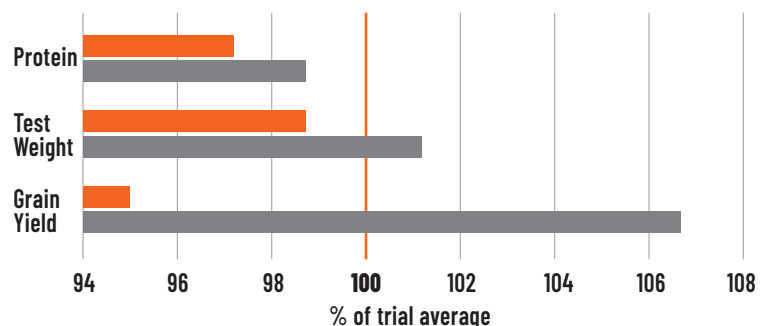
Smith's Gold was released to extend the life of Gallagher genetics in environments limited by stripe rust, Hessian fly, and greenbug. It gives much more than that, having greater tenacity with grazing, better test weight (half-pound), and better baking quality than Gallagher. Even its bread flavor profile is exquisite, characterized as "delectable richness."

SMITH'S GOLD VS. GALLAGHER

107 site-years



Dual-purpose, 11 site-years

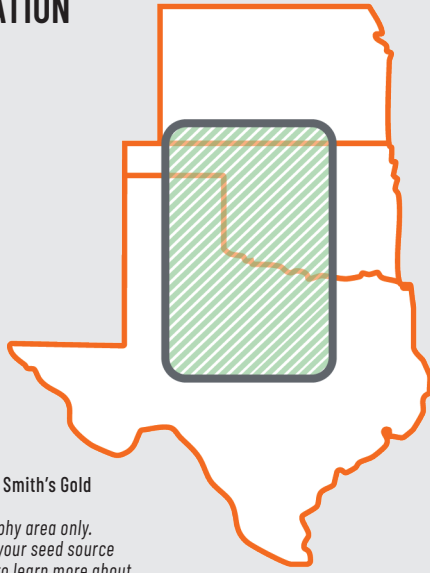


Gallagher Smith's Gold

BOTTOM LINE: Smith's Gold holds an intrinsic half-pound test weight advantage over Gallagher. Minor differences exist between them for yield and protein across 107 trials, but the yield and test weight advantage of Smith's Gold is magnified in dual-purpose (grazed) environments.

Source: wheat.okstate.edu; all OSU wheat variety trials from 2016 through 2022, excluding extremely low-yielding environments. Each trial contained only those varieties with expected adaptation to the test site (best available genetics).

ADAPTATION MAP



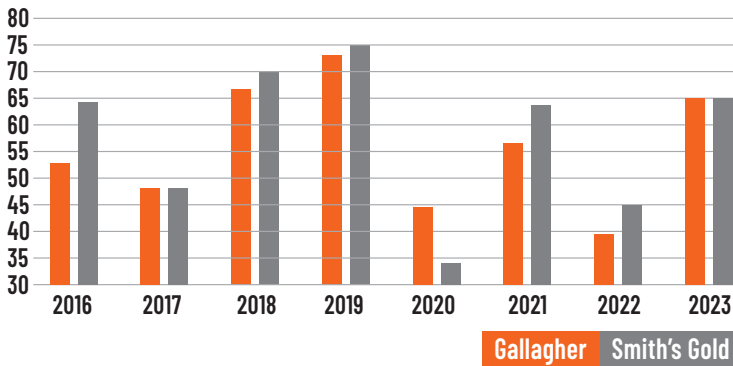
Applies to both Smith's Gold and Gallagher.
Primary geography area only.
Please contact your seed source representative to learn more about adaptability outside this area.

BAR EXAM

	Below Average or Susceptible	Average or Intermediate	Above Average or Resistant
Yield potential	Green		
Dual-purpose yield	Brown		
First hollow stem	Later	Brown	
Test weight	Brown		
BYD	Green		
Leaf rust	Brown		
Stripe rust	Brown		
Powdery mildew	Green		
Leaf spotting	Brown		
SB/SS complex	Green		
Hessian fly	Green		
Shattering	Green		
Standability	Brown		
Acid soils	Green		
Kernel size	Brown		
Protein	Brown		
Bread baking	Brown		

Legend: Smith's Gold Gallagher Varieties are equal

FIRST HOLLOW STEM – DAYS FROM DECEMBER 31



BOTTOM LINE: Only once since 2016 has Smith's Gold reached first hollow stem before Gallagher. This display varies from 0 to 11 days.

Source: wheat.okstate.edu

END-USE QUALITY

Overall Quality	Exceptional
Dough Properties	Excellent balance of strength and extensibility
Baking Quality	Good loaf volume and internal characteristics
Milling Quality	Above-average kernel size and test weight

GENEALOGY

