

The new OSU release *Guymon* is a hard white wheat with outstanding top-end yield potential

- *Great option to diversify hard-white production lineup and spread risk*
- *Excellent choice for high-yielding environments in and around the panhandle of Oklahoma.*
- *Outstanding test weight*
- *Good straw strength*
- *Good milling and baking quality*
- *Oklahoma bred and Oklahoma tested*

Development of *Guymon* was made possible through a cooperative effort among the following groups and organizations



OGI

Oklahoma Genetics Incorporated



Guymon is marketed through a licensing agreement with Oklahoma Genetics Incorporated

Application for Plant Variety Protection Act Title V protection has been submitted for Guymon

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Guymon

A new hard white wheat from Oklahoma State



Graze n Grain[®]
Breeding System

Guymon

Guymon is a new hard white winter wheat variety released by Oklahoma State University in 2005, and is a reflection of the commitment of collaborators to improved wheat quality and improved hard white wheat cultivars.

Experimentally tested as OK00618W, Guymon is the result of a cross between Intrada and Platte, and, in this case, the apple does not fall far from the tree. Guymon is a small-seeded variety with exceptional test weight and milling quality. Straw strength is better than that of Intrada, which can translate to improved top-end yield potential in higher-yielding environments.

Grain yield of Guymon is greater than or equal to Intrada and other commercially-available hard white wheats in environments with moderate yield potential. In high yielding environments, however, Guymon truly shines, with a 2-year 11 bu/ac advantage over Intrada in Goodwell irrigated variety trials.

Guymon has very good tolerance to soil borne mosaic and spindle streak mosaic viruses, good tolerance to leaf rust, and be-

Attribute	Below Average	Average	Good
Re-growth from grazing	[Green bar spanning from Below Average to Average]		
Forage production	[Green bar spanning from Below Average to Average]		
Grain-only yield	[Green bar spanning from Below Average to Good]		
Dual-purpose yield	[Green bar spanning from Below Average to Average]		
Straw strength	[Green bar spanning from Below Average to Good]		
Acid soil tolerance	[Green bar spanning from Below Average to Average]		
Leaf rust	[Orange bar spanning from Below Average to Average]		
Stripe rust	[Orange bar spanning from Below Average to Below Average]		
Soilborne mosaic	[Orange bar spanning from Below Average to Good]		
Spindle streak mosaic	[Orange bar spanning from Below Average to Good]		
Septoria complex	[Orange bar spanning from Below Average to Average]		
BYDV	[Orange bar spanning from Below Average to Average]		
Powdery mildew	[Orange bar spanning from Below Average to Average]		
Test weight	[Purple bar spanning from Below Average to Good]		
Milling quality	[Purple bar spanning from Below Average to Good]		
Baking quality	[Purple bar spanning from Below Average to Average]		

low-average tolerance to stripe rust. This translates to a disease package that should address the needs of Oklahoma panhandle wheat producers, most years.

As indicated by the name, Guymon is best suited for areas to the west of Buffalo, OK, as pre-harvest sprouting can be an issue in high-moisture areas.

In summary, Guymon increases the options available to hard white wheat producers in the High Plains of the Oklahoma and Texas panhandles. Yield potential is good in average-yielding environments and excellent in higher yielding environments.