

The new OSU release *Okfield* is a great choice for growers wishing to plant an Oklahoma-bred, herbicide-tolerant wheat

- Oklahoma-bred and Oklahoma tested
- Part of the CLEARFIELD herbicide system to combat problem weed species
- Suitable for dual-purpose production systems
- Late first hollow stem (18 days later than Jagger in 2005)
- Good resistance to powdery mildew
- Great straw strength

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



# OGI

Oklahoma Genetics Incorporated

Oklahoma Wheat Research Foundation



**OSU Wheat Improvement Team**

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[www.wit.okstate.edu](http://www.wit.okstate.edu)

# Okfield

**An Oklahoma-bred, herbicide-tolerant wheat for the southern Great Plains**



**Graze n Grain<sup>®</sup>**

**Breeding System**

Okfield is marketed through licensing agreements with Oklahoma Genetics Incorporated and BASF Corporation

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

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# Okfield

Okfield is one of two new hard red winter wheat varieties released by Oklahoma State University in 2005. Experimentally tested as OK02909C, Okfield is the result of a cross between 2174 and a sister line of TAM 110 that resulted from backcrossing with an imidazolinone-tolerant French cultivar.

Okfield is a great choice for producers who want to give the CLEARFIELD<sup>1</sup> herbicide program a try, but have been disappointed by the limited number of cultivars that are adapted for Oklahoma conditions. Okfield fills this void. In fact, at 12 of 13 locations Okfield produced grain yield statistically equal to or greater than other herbicide tolerant wheats tested in 2004-2005. Okfield particularly shined in western Oklahoma and the Panhandle.

Okfield is a product of the GRAZE-N-GRAIN breeding program, which speaks to its ability to perform in a dual-purpose management system. It has above average forage production and good ability to re-tiller and recover from grazing pressure. First hollow stem is late. In fact, it was 18 days later than Jagger in 2005. High temperature ger-

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

mination sensitivity, however, limits the suitability of Okfield for producers wishing to plant prior to September 15 into hot soil conditions. Growers should also exercise caution in areas prone to wheat soilborne and/or spindle streak mosaic viruses.

Okfield's foliar disease package is average when compared among all commercially available va-

rieties but ranks above average when compared to commercially released, herbicide-tolerant hard red winter varieties.

In summary, Okfield is an Oklahoma-bred and Oklahoma-tested CLEARFIELD wheat that increases the ability of Oklahoma wheat producers to combat some of their most problem weed species.

<sup>1</sup> CLEARFIELD is a registered trademark of BASF corporation