

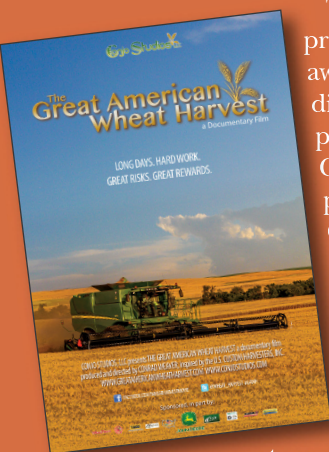


WHEATBRIEF

Spring 2015

The Great American Wheat Harvest Airs on OETA

“The Great American Wheat Harvest” is a documentary film telling the story of hard-working custom harvesters who travel from the heart of Texas to the Canadian border harvesting the wheat that feeds our great country and the world.



This film was produced by award-winning director and producer Conrad Weaver, president of Conjostudios, LLC based out of Frederick, Maryland.

The dramatic and inspiring

story shares the

compelling challenges now threatening a way of life passed from generation to generation. From a historical perspective, it's important to document the lifestyle and heritage before it's lost. Oklahoma's Dr. Brett Carver, Oklahoma State University wheat breeder; Dan Misener, Misener Family Harvesters; Jimmie Musick, Musick Farms; and Dr. Mark Gregory, OSU Southwest Area Extension Agronomy Specialist, were featured in the film.

Americans take our daily food supply for granted. How many folks truly understand how, where and what it takes to get a loaf of bread onto the table? With rising industry costs, technological advances and production methods, new threats face our nation's agricultural producers which directly impacts our nation's food supply. This movie is a behind-the-scenes tribute to those working daily to produce our food and to those gathering the harvest. It's a National Educational Tribute.

The documentary film is scheduled to air on OETA (Oklahoma Educational Television Authority), May 7, 2015, at 7 pm. **OWC**

Top Four Wheat Varieties in Oklahoma Have OSU Roots



Dr. Jeff Edwards, Oklahoma State University Small Grains Extension Specialist, talks wheat varieties at the OSU Variety Field Plots. OSU Extension is gearing up for the 2015 variety trial season.

Oklahoma State University (OSU) varieties continue to be the leading Hard Red Winter Wheat varieties planted in Oklahoma. Actually, the top four wheat varieties planted in the state were developed by OSU. The roots of success continue to be firmly anchored with several other up-and-coming OSU varieties being used by Oklahoma wheat producers. The top hard red winter wheat variety was Duster, followed by Endurance. Newer releases showing significant increases in acreage from last year were Gallagher and Ruby Lee. This is according to the March 2015 “Oklahoma Wheat Variety Report” from the USDA National Agricultural Statistics Service.

Duster continues to be the leading variety of all wheat seeded in Oklahoma, accounting for 14.1 percent of 2015 planted wheat acres. Duster was the most popular variety throughout the central corridor of wheat production in the state.

Duster has been a consistent top performer in OSU wheat variety tests. It performs well in both grain-only and dual-purpose systems and has above-average tillering ability which allows it to recover

well from grazing. It emerges well in hot, dry soil conditions and closes the canopy rapidly. These traits, along with good forage production and medium-late first hollow stem, make Duster a nice fit for dual-purpose production systems. Duster has effective resistance to several diseases common to Oklahoma, including leaf rust, stripe rust, powdery mildew, wheat soilborne mosaic, wheat spindle streak mosaic and barley yellow dwarf. Moderate susceptibility to tan spot and septoria means Duster should be monitored for diseases in continuous no-till wheat production systems.

Duster is highly resistant to the Great Plains biotype of Hessian fly. This is of particular benefit to producers wishing to sow early to maximize forage yield or those who no-till wheat after wheat.

Endurance wheat, a mainstay released by the OSU Wheat Improvement Team in 2004, has performed well in dual-purpose and grain-only systems throughout Oklahoma and beyond. It shows an unusual ability to break winter dormancy consistently late from year to year, yet will

continued on next page ...

Top Four Wheat Varieties

continued from page 1 ...

catch up on heading date relative to Duster. Still, Endurance finishes relatively late and often benefits from moderate temperatures during May. Years of yield data indicate that Endurance has the ability to maintain good yield potential in a wide range of stress environments. Given these attributes, it should be no surprise that the OSU Wheat Improvement Team has used Duster and Endurance as a sturdy foundation for creating new, improved varieties.

For example, Gallagher, a newer OSU variety with Duster parentage, has great forage production with improved yield and disease resistance similar to Duster, but with improved tolerance to leaf spotting diseases expected in no-till or high-residue systems. Gallagher is an early maturing wheat but good grazing tolerance. The seed size is larger than Duster and has above average test weights. Gallagher also has the same genetic source of Hessian fly resistance as Duster. It also carries a key segment of a rye chromosome that lends greater yielding ability, but unlike so many varieties with this feature, Gallagher has provided above milling and baking quality.

The Ruby Lee variety has Endurance as one of its parents with large seed size and outstanding milling and baking characteristics. The Endurance influence lends excellent forage production and recovery from grazing. Ruby Lee is highly responsive to intensive management with great top-end yield potential. Stripe rust and powdery mildew can restrict yield of Ruby Lee, so foliar fungicides are recommended when justified by yield potential. The Ruby Lee variety is Hessian fly resistant with good tan spot resistance for no-till systems. Ruby Lee is best suited for a soil pH of 5.5 and above. Ruby Lee has good drought tolerance and wide area of adaptation throughout the Southern Plains but appears best fit for downstate Oklahoma.



Producers attend a replicated wheat variety trial plot in northwest Oklahoma.

Thanks to wheat improvement programs like the one at OSU, producers continue to have improved wheat varieties to plant. Whether it's improved stress or pest tolerance or increased yields, OSU's Oklahoma Wheat Improvement Team is working at creating varieties that are meeting producers' changing needs.

Wheat varieties released by OSU continue to feature these traits:

- High grain yield with or without grazing
- Heat and drought tolerance
- Resistance to multiple fungal and viral diseases
- Resistance to aphids and Hessian fly
- High quality for both milling and baking needs

Most importantly, OSU wheat varieties are locally adapted but globally marketed.

It is important to note the varieties released by the Wheat Improvement Team at OSU have been through several years of testing for the quality based attributes that both domestic and foreign customers are looking for with regards to milling and baking characteristics. Variety development programs that rush a variety to release may

not provide the same level of scrutiny for end-use performance. By finding important traits that are beneficial to grain buyers, the OSU Wheat Improvement Team is also working to capture more market share for the farmer by creating varieties that have the most benefit for end users.

Other important OSU varieties planted by Oklahoma wheat producers as cited in the "Oklahoma Wheat Variety Report" from the USDA National Agriculture Statistics Service include:

- Iba, the most yield-stable variety among newest OSU releases
- Doublestop CL Plus, two gene CLEARFIELD with high yielding ability
- Garrison, the best-fit OSU variety for high-residue systems
- OK Bullet
- Billings
- Deliver
- Centerfield
- 2174

For more wheat variety information about OSU wheat releases, visit www.okgenetics.com. OWC

Meeting Notice

OWC will hold its annual election for District V board seat, May 21, 1 p.m. at the Pioneer Technology Center, West Seminar Room, Ponca City. District V consists of all counties east of the western boundary lines of Kay, Noble, Logan, Oklahoma, Cleveland, Grady, Stephens and Jefferson counties. Lunch will be provided by the Oklahoma Wheat Growers Association at noon. [Click here](#) for more information. OWC

Wheat Recipes Available Online

Nothing beats the taste of warm wheat bread or cinnamon rolls fresh from the oven, and nothing beat these 59 delicious recipes at the 2014 Oklahoma State Fair Best of Wheat baking contest. The cookbook contains the prize-winning open and junior contest division winners plus valuable cooking tips and photos from the contest. Please contact our office at 405-608-4350 to receive a copy of the new 2014 edition of the *Best of Wheat* cookbook or [click here to download!](#) OWC



OWC FY14 Annual Report

DISBURSEMENTS

Wheat Research.....	381,097.23
General Research	228,000.00
TOTAL RESEARCH:	(609,097.23)

MARKET DEVELOPMENT

US Wheat Associates	378,605.31
Wheat Foods Council	48,202.00
Quality Based Marketing	22,298.00
Market Research/Wheat Quality	155,050.23
TOTAL MARKET DEVELOPMENT:.....	(604,155.54)

INFORMATION & EDUCATION

Exhibits and Demonstrations.....	22,487.94
General Promotion	16,728.75
Publications	15,138.44
Program Assistance	2,905.00
Special Projects	74,752.00
TOTAL INFORMATION & EDUCATION:	(132,012.13)

ADMINISTRATION

Office Expenses.....	56,100.44
Staff Travel.....	9,221.61
Board Travel	21,056.63
Payroll	190,714.60
Payroll Taxes/Ins./Retirement	66,275.63
TOTAL ADMINISTRATION:.....	(343,368.91)

TOTAL DISBURSEMENTS:.....	1,688,633.81
---------------------------	--------------

OWC

Junior Wheat Show Reminder

The Junior Wheat Show is a wonderful opportunity for 4-H and FFA students to learn what it takes to produce milling quality wheat. The purpose of this program is to promote the production quality of wheat and teach 4-H and FFA youth about wheat production, marketing and management. Each year, more than \$16,000 in scholarships are given to the top 4-H and FFA Junior Wheat Show winners. A maximum of \$6,000 may be awarded to an individual during their 4-H and FFA careers. The Oklahoma Junior Wheat Show is sponsored by the Oklahoma Wheat Commission, Oklahoma Wheat Research Foundation, Oklahoma Department of Career Technology Education, Oklahoma State University, Oklahoma State Fair, Oklahoma Genetics Inc. and WestBred Seeds.

The 2015 State 4-H and FFA Junior Wheat Show judging contest will take place Wednesday, July 29th, at the Payne County Fairgrounds, 4518 Expo Circle East, Stillwater. Entries will NOT be

accepted after 8:30 a.m., July 29th. If you are planning to ship samples they must arrive by Friday, July 24th at 4518 Expo Circle East, Stillwater, OK 74075. In-service training days for agriculture instructors, 4-H agents or students wanting to learn more about participation or information on cleaning samples will take place the first week of July. The times and locations for those in-service trainings are listed below.

Tuesday, July 7, 2015

Canadian Valley Technology Center, 1401 Michigan Avenue, Chickasha, OK 73018, west side of town, from 10 a.m.-Noon

Thursday, July 9, 2015

Okeene FFA Building, 301 S Main Street, Okeene, OK 73763, from 10 a.m.-Noon

For complete rules on the State 4-H and FFA Junior Wheat Show, visit this [link](#). owc



OSU Wheat Field Days

The official Oklahoma State University Variety Trial Wheat Field Days have been scheduled at 22 locations across the western two thirds of the state. Wheat field days are an excellent opportunity for producers in their area to compare multiple released and experimental wheat varieties to see their various traits and performance. Experts from the OSU Wheat Improvement Team are on hand to provide overview information about the varieties and networking with other producers and resource people. OSU Wheat Field Days are sponsored in part by Oklahoma State University DASNR, Oklahoma Wheat Commission, Oklahoma Wheat Research Foundation and OSU Wheat Improvement Team. Funding for the field days are made possible by wheat producer checkoff dollars. Click [here](#) for a list of field days in your area. owc



Students prepare wheat samples for judging at the 2014 Junior Wheat Show.



Upcoming Events



Oklahoma Wheat Commission
3800 N. Classen Blvd., Ste. C40
Oklahoma City, OK 73118
405-608-4350 • www.wheat.ok.gov