

Oklahoma WHEATBRIEF

Fall/Winter 2020



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... and much more!

Crop Quality Data Completed for Domestic and Global Buyers



As a key part of its commitment to transparency, the Oklahoma Wheat Commission (OWC), in conjunction with Plains Grains Incorporated (PGI) and U.S. Wheat Associates (USW), produces annual crop quality reports. These reports are compiled from sample testing and analysis conducted during and after harvest by our partner laboratories.

These reports provide essential, objective information to help buyers get the wheat they need at the best value possible. This data is shared by the OWC, PGI and USW with customers in person and at a series of

annual crop quality seminars conducted by USW around the world. USW is funded by 17 state wheat commissions including the OWC. The other state wheat commissions are listed in the [USW 2020 Crop Quality Report](#).

The Plains Grains [Hard Red Winter 2020 Regional Quality Survey](#) is funded by 12 state wheat commissions in partnership with the OWC that have large areas of Hard Red Winter (HRW) wheat production. The 12 states are listed in the PGI Hard Red Winter Wheat 2020 Regional Quality Survey.

The data compiled from the PGI grainsheds in that survey is also used in the USW 2020 Crop Quality Report that includes grade, flour and baking data for all six U.S. wheat classes. We strive for excellence providing millers, bakers and wheat food processors the most updated, real time data as harvest is completed from the Southern Plains of Texas and Oklahoma to the Dakotas and the Pacific Northwest. During harvest, preliminary reports on crop quality by class are posted in weekly [Harvest Reports](#). [OWC](#)



YEARS

U.S. WHEAT ASSOCIATES

of Promoting U.S. Wheat



Promotional video highlights Okarche's Peters family.



The Oklahoma Wheat Commission is happy to be one of the 17 member state wheat commissions funding our international market development initiatives with our national organization, U.S. Wheat Associates (USW). Funding from the state commission organizations are matched with USDA Market Access and Foreign Market Development programs from the U.S. government to help create market entrance and promotion of U.S. wheat into the international market. [Fifteen USW offices](#) are situated in different locations around the world. Offices are placed in Beijing, China; Lagos, Nigeria; Santiago, Chile; Tokyo, Japan; Cape Town, South Africa; Manila, Philippines; Seoul, South Korea; Casablanca, Morocco; Mexico City, Mexico; Singapore; Hong Kong, China; Rotterdam, Netherlands; Taipei, Taiwan; Washington, D.C. and Portland, Oregon.

Technical assistance for millers and bakers are provided by cereal chemists, grain buyers and logistical analysts in these regions. These specialists provide

quality specifications and market data so purchasers can make informed decisions on the quality of U.S. wheat products.

This past year celebrated the 40th anniversary of USW. To share our gratitude to foreign buyers, videos were created and highlighted by USW staff and U.S. farmers across America to show appreciation and say thank you for purchasing U.S. wheat. USW launched a national campaign video and then featured producer videos, along with historical photos and thank you cards, shared between U.S. wheat producers and foreign millers and bakers who purchase our products. More information can be found about the 40th anniversary [here](#).

A [video](#) highlighting Oklahoma wheat producer and USW Secretary/Treasurer Michael Peters, from Okarche, shows buyers what wheat farms and production practices look like in the Southern Plains of the United States. Typical wheat classes grown in the Southern Plains are Hard Red Winter (HRW), Hard White Winter (HWW) or Soft Red Winter (SRW) wheat. The majority of wheat

grown in Oklahoma comes from the HRW wheat class used for making hard rolls, flat breads, whole wheat breads, general all-purpose flours, cereals and Asian noodles.

The Peters Family Farms started when Michael Peters' great-great grandfather homesteaded a piece of land in central Oklahoma in the 1880s. Today, Michael farms with his father, Fred Peters, and his son Tyler. They grow HRW wheat and graze cattle on some of that crop over the late fall and winter. Linda Peters, Michael's wife, is a teacher and church musician who remains an active participant in the farm operations.

U.S. wheat farm families grow six distinct classes of wheat across the diverse landscape of the United States. Those farmers take great care in producing the highest quality wheat in the most sustainable ways possible to honor their family legacies and to ensure greater value for their customers at home and abroad. Behind the world's most reliable supply of wheat are the world's most dependable people. [OWC](#)



15 USW offices are located across the globe.



2020 OWGA Convention Coverage

Approximately 50 people attended the 2020 OWGA Annual Convention.

Wheat producers, elevator managers, extension specialists, custom harvesters, seed cleaners, Oklahoma State University scientists and economists, Oklahoma Wheat Commission Board members and staff, Oklahoma Wheat Growers Board members and staff and Oklahoma Department of Agriculture officials gathered Aug. 13, at Redlands Community College in El Reno for a 2020 Wheat Review. This year's meeting setup was conducted in a socially distanced format, with limited seats available to follow spacing requirements recommended by the CDC.

The topics of discussion were:

- Introduction of the New OWGA Director Jeffrey Hickman
- Overview of the 2020 Crop Diseases — Plant Nutrition, presented by Dr. Bob Hunger, OSU Extension Wheat Plant Pathologist
- Marketing Outlook for Now and Into the Future, presented by Dr. Kim Anderson, OSU Ag

Economist and Extension Small Grains Marketing Specialist

- The 2020 Crop Year and What to Look for in the Future, presented by Dr. Brett Carver, OSU Regents Professor, Wheat Breeding and Genetics
- Wheat Commission Update and Global Marketing Trends, presented by Mike Schulte, Executive Director of the Oklahoma Wheat Commission
- NAWG Update from Keffy Felty, NAWG Secretary

Dr. Hunger discussed crop diseases and tools producers can use to help fight those challenges with better variety selection, management practices, foliar fungicide information and seed treatment. For fungicide/no fungicide comparisons used for these studies, [click here](#). The 2019-2020 wheat variety trial results from across the state are also located on this page.

Dr. Anderson reviewed marketing strategies for producers to use this year when making marketing decisions on grain. He discussed potential opportunities that might

arise, depending on the Russian influence, and world outlook based on changes with consumer trends due to COVID-19.

Dr. Carver discussed emerging potential variety releases that we should be looking for in late 2020, with several options available to producers. The focus has been placed on breeding for resistance to the problems agriculturalists deal with in the field. By offering varieties that help combat those issues, growers can be more competitive.

Schulte discussed the increased market focus on different uses for individual wheat varieties when looking at functionality. He also discussed a brief sales report for exports and how current bilateral trade agreements with China have created greater movement of grain for Hard Red Winter (HRW) wheat to the Far East.

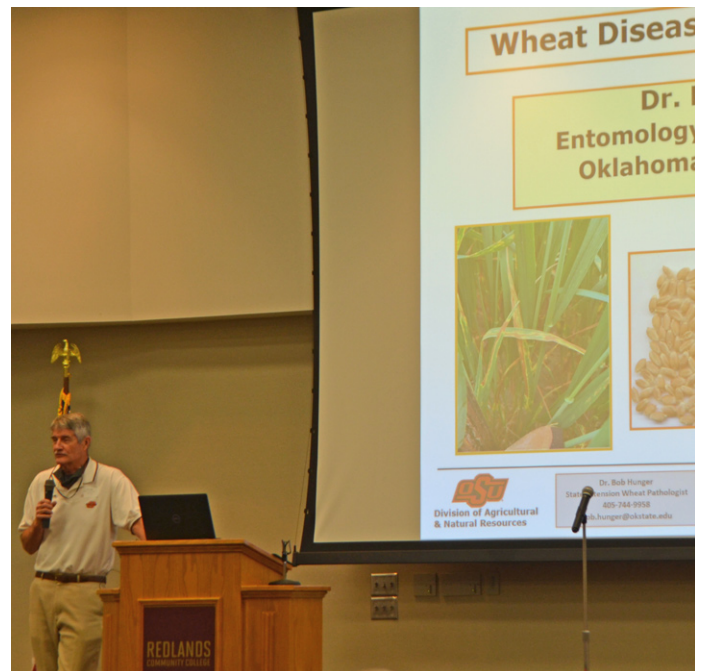
The day concluded with talks from Felty regarding trade agreements that the National Association of Wheat Grower's (NAWG) continue to promote between the United States and China and with USMCA (United States-Mexico-Canada Agreement.)



2020 OWGA ANNUAL



Dr. Brett Carver, OSU Lead Wheat Breeder and Geneticist, discussed new variety releases for the 2021 season, and how producers will have more options to better fight wheat disease.



Dr. Bob Hunger, OSU Plant Pathologist, presented wheat management options that can be used to help with stripe and leaf rust. He also discussed observations made during the 2020 wheat harvest across the state.



Dr. Kim Anderson, OSU Ag Economist and Small Grains Marketing Specialist, spoke about the world wheat market outlook for the 2020-21 year.



Mike Schulte, Executive Director of the Oklahoma Wheat Commission, discussed end-use functionality and the importance of the bilateral trade agreements made with China this past year. OWC

Aug. 13, 2020 • El Reno

CONVENTION COVERAGE

OWGA Honors Joe Neal Hampton with Service Award

The Oklahoma Wheat Growers Association (OWGA) recognized Joe Neal Hampton for his service to the industry at the Aug. 13 OWGA annual meeting in El Reno.

Hampton recently retired after nearly 48 years with Oklahoma Grain and Feed Association, Oklahoma Agribusiness Retailers Association, Oklahoma Seed Trade Association and OWGA. He had been OWGA Executive Vice President since 2016.

He currently serves as secretary-treasurer of Oklahoma Wheat Research Foundation, as government affairs liaison for Oklahoma Agriculture Aviation Association and on the board of directors of Plains Grain Inc. Hampton has served or is presently serving on numerous committees and councils, including OSU Dean of Agriculture's Advisory Council, Oklahoma Department of Agriculture, Food and Forestry Pesticide Advisory Committee, Southwest Livestock Foundation and Oklahoma Sirloin Club. He also is chairman of the Northwest District Junior Livestock Show. He is past recipient of the OSU College of Agriculture Distinguished Alumnus Award, Oklahoma Pork Council Distinguished Service Award and OWGA's Mr. Wheat Award.

"The Oklahoma Wheat Growers Association and the Oklahoma wheat



Keeff Felty, OWGA Board member and NAWG Secretary, presented former OWGA and Oklahoma Grain and Feed Association Executive Vice President Joe Neal Hampton, the Mr. Wheat award after nearly 48 years of service.

industry appreciates all the years that Joe Neal Hampton has dedicated to making a better wheat industry. His commitment on all issues from the field to the mill, whether it be dealing with research efforts, logistics for shipping and

transportation or farm policy, had him always there working to move us forward." said Dennis Schoenhals, current OWGA President. "His valuable service will benefit wheat producers and the trade for years to come." **OWC**

Did you know...

... the first Girl Scout Cookie was sold in Muskogee in 1917? Check out other fun Oklahoma wheat facts in this [video](#) produced by the Wheat Foods Council! **OWC**



2020 Extending the Legacy Awarded to Jimmie Musick

This past year, the Oklahoma Wheat Commission named Jimmie Musick as the 2020 “Extending the Legacy” award winner at the annual 2020 OWGA meeting. The Sentinel native is a past president of both the Oklahoma Wheat Growers Association (OWGA) and the National Association of Wheat Growers (NAWG).

This is the fourth year for the award to be given to honor an individual who has worked to foster innovation and growth, continue the advancement for research and technology approaches, while focusing on better trade and commerce for the Oklahoma wheat industry.

“It is only fitting that Jimmie Musick be the recipient of the 2020 “Extending the Legacy” award based on advancements he has made within the industry during his years of service on both the OWGA and NAWG boards,” said Brett Carver, OSU lead wheat breeder. “Not only has Jimmie worked tirelessly on wheat producer issues at the state and national levels for farm policy needs, but he also has been a long time cooperater with the OSU Wheat Improvement Team, having OSU wheat research test plots on his farm in Sentinel, working as a partner to show Oklahoma wheat producers the value of our public and private research programs within our region,” Carver said.

Musick is part of a five-generation family farm. He owns and operates Musick Farms and Cattle Co. with his wife Judy, son Tracy and his wife Ronda and grandsons Colt and Laramie.

The family’s diversified farm includes alfalfa, wheat milo, cotton and a feeder cattle operation. The family business has expanded over the years to also include trucking, cattle buying, alfalfa and seed sales.

Musick just finished his role as NAWG Past President in 2019, after spending four years working his way through those officer chairs. From 2015 to 2019 Jimmie spent a great deal of his time working in Washington, D.C. on lobbying efforts



From left are Mike Schulte, Executive Director of the Oklahoma Wheat Commission, and Dr. Brett Carver, OSU Lead Wheat Breeder, who presented OWGA and NAWG Past President Jimmie Musick the 2020 Extending the Legacy Award for his time and dedication devoted to the Oklahoma wheat industry. OWC President Kenneth Failes also assisted in the presentation.

regarding international trade agreements and research and development initiatives that will move the wheat industry forward. One highlight for Musick during his time with NAWG was standing behind President Donald Trump in December of 2018 as he signed the last farm bill into law.

Jimmie has a passion for the next generation of farmers and was Past Chairman of both the Oklahoma Young Farmers Education Association and the National Young Farmers Education Association. He also has held leadership roles in the Stockholders Advisory Committee of the U.S. AgBank and the National Wheat Foundation Committee. Additionally, Jimmie has been a former Board of Director of Farm Credit of Western Oklahoma for 30 years and also serves on the Washita County Excise Board.

Farming is not Jimmie’s only passion. Jimmie has a deep commitment to his community and church. He is a Deacon at his local Baptist church and visits those in need at retirement facilities and hospitals.

The “Extending the Legacy” award was created to highlight the “Extending the Legacy” mural donated by our lead OSU wheat breeder, Dr. Brett Carver and his wife, Terri. The mural, which is housed in the main entrance of the Oklahoma Wheat Commission office, was commissioned by famous Oklahoma artist, Dr. Bob Palmer. The painting depicts the different eras of agriculture within the Oklahoma wheat industry over the past 140 years. The work also places emphasis on OSU wheat research and extension programs that have made significant contributions from the past that will continue to move us into the future, thus “Extending the Legacy.” **OWC**

OSU Releases

Bumper Crop of Wheat Varieties

by Brian Brus, OSU Agricultural Communications Services

Scientists at Oklahoma State University are giving wheat farmers new options to plant in their fields soon — five wheat varieties that build on years of research and careful selection of the best traits.

Five is a large number even for OSU, which is known for its industry-shaping genetics program and nearly annual releases. However, Brett Carver, who holds the Wheat Breeding Genetics Chair in Agriculture, said optimal conditions and record yields this year allowed for a particularly large data set and several lines of research.

“There’s ultimately little crossover between these varieties,” he said. “We don’t breed a variety that addresses every problem — it doesn’t make sense; our geography is too diverse. I wanted to make sure we knew where each of these five would do best, where each of them needs to grow.”

Each new cultivar plays up to certain strengths and traits. Carver, who was interviewed recently for the SUNUP television video series, provided a short overview:

Uncharted — The first of four Hard Red Winter wheats. Uncharted has “an unprecedented resistance” to a virus called Barley Yellow Dwarf. Carver said the virus’ effect on small-grain plants is comparable to Covid-19 virus to humans.

Strad CL Plus — This wheat can supplant its predecessor in fields which use the Clearfield commercially branded herbicide control system.

Breakthrough — Another virus typically found in the Panhandle of the state, called Wheat Streak Mosaic, has far less effect on Breakthrough.

Butler’s Gold — The last of the reds introduced this year. Butler will be attractive to farmers who face season-disrupting conditions and are trying to recover with a late-planted crop. This variety is extremely fast in the way it develops, he said.

Big Country — The only white wheat released this season. Big Country has the potential to outperform yields of red varieties at an equally high or higher quality level. It also has strong sprouting and disease resistance. White grain can produce a larger amount of flour per weight, so the only thing holding back Big Country will be whether mills are willing to try it in response to market demand over red.

OSU professor Bob Hunger, a wheat plant pathologist, agreed with Carver that this seems to be the “year of disease.”

“It’s unusual to produce as many as five varieties in any year, but there definitely seems to be a greater need for virus resistances,” Hunger said. “Big

Country has one of the best packages of resistances that I’ve ever seen.”

The cultivars were revealed by the [OSU Wheat Improvement Team](#) in conjunction with the university’s [Department of Plant and Soil Sciences](#) and the [Department of Entomology and Plant Pathology](#).

Each of the varieties have a unique number that was used for experiment tracking – OK12912C-138407-2, for example, the original identifier for Strad CL Plus – but Carver said the average person connects much easier with a name that represents a heritage or meaningful story.

Strad CL Plus, for instance, not only refers to the unparalleled craftsmanship of a Stradivarius violin, it also suggests a connection to a predecessor wheat strain called Doublestop, a musical term for the technique of playing two musical notes simultaneously on a violin. The Doublestop wheat line involved the two-gene technology for controlling problem weeds such as feral rye and jointed goatgrass. Strad builds on those traits.

The story behind Butler’s Gold started 40 years ago when President Jimmy Carter took a stand against the Soviet Union’s invasion of Afghanistan and ordered a boycott of the Olympics held in Moscow that year. James Butler was 19 at the time, a graduate from Broken Bow





Photo of OSU sprinter James Butler, as seen in The Oklahoman.

High School, and a star student at OSU for his potentially record-breaking sprint speeds.

The keyword in Butler's tale is "potential." He had set a school record that still stands and won the U.S. Olympic trials in the 200m sprint, but Butler never got a chance to run against the world. He moved on and now lives in Florida, Carver said.

When a local newspaper sports reporter told Carver about Butler's struggle, the scientist immediately recognized a winning name. He has spoken directly with Butler to make sure the alumnus is comfortable with his name attached to the fast-growing plant.

Wheat is Oklahoma's largest crop, with almost 3 million acres of winter wheat harvested annually that's worth about \$500 million. According to the USDA, varieties introduced to the market by OSU now typically account

for at least half of the wheat acres planted in the state. That wouldn't be possible without OSU's upfront investments in human capital and infrastructure or without the nonprofit Oklahoma Genetics Inc., which oversees wheat licensing and marketing agreements so that OSU ultimately gets a cut of profits, funds that are put back into more research to produce more improvements. Regional farmers and wholesalers follow strict standards under OGI for growing, harvesting and storing materials to ensure that new plants don't mix with other varieties and dilute qualities OSU has worked so hard to draw out. After the first wave of growers produce enough seed, it will then be widely distributed to the rest of the market.

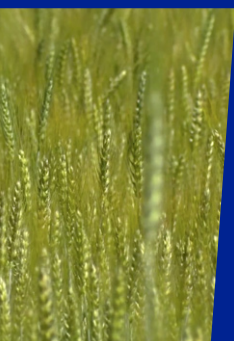
Oklahoma Wheat Commission (OWC) Executive Director Mike Schulte said OSU's wheat genetics program has helped elevate Oklahoma

to the top of the industry. Farmers across the country have Oklahoma land-grant university researchers to thank for the health, size and hardiness of their crops.

"As we move forward creating varieties to fulfill specific needs for Oklahoma wheat producers and the milling and baking industries, OWC appreciates the continued dedication by our public wheat research program and wheat improvement team at OSU," Schulte said. "They are obviously committed to excellence. These five new releases will create greater opportunities and value with varieties that not only have exceptional agronomic traits, but also will offer better end-use quality characteristics for the miller and baker. This in turn will hopefully create an even greater demand for our publicly funded wheat varieties supported by Oklahoma wheat producers with their support of OWC," Schulte stated. **OWC**



Click image to view Sunup interview of Brett Carver.



OWC Hosts 2020 Oklahoma Ag Youth Council

The Oklahoma Wheat Commission (OWC) hosted the 2nd Oklahoma Ag Youth Council in August. The Ag Youth Council was created by Oklahoma Secretary of Agriculture Blayne Arthur to develop future agricultural leaders in Oklahoma through professional development, industry exposure and experimental learning.

The council consist of upcoming high school seniors interested in learning about and representing the agricultural industry from across the state. Council members serve a year-long term, with approximately seven sessions and multiple volunteer opportunities throughout the year. Sessions include visits to Oklahoma agricultural companies and organizations, with opportunities to learn about the legislative process and job shadows of industry professionals.

In addition, students participate in leadership and professional skill development activities and receive information regarding preparing for college. Those representing the council at the August meeting toured the OWC facilities and were able to learn about the promotional work into the domestic and international marketplace conducted by the OWC. Topics of discussion also

focused on research priorities with the public wheat research program at Oklahoma State University that are funded by the Oklahoma wheat producers with their support through OWC.

Students were able to see applications created for flavor profile testing in the consumer promotion kitchens of the

OWC offices. Students experienced working with different flour functionalities, while observing different flavor and performance measures that are studied when working with bread, tortilla, steam bread and pasta studies that currently are being conducted within the OSU wheat research program. [OWC](#)



Students observed bread functionality and flavor profile studies being conducted on the OSU wheat varieties from the 2020 wheat harvest on samples taken from the North Central Research Station in Lahoma.

The 2020 Oklahoma Ag Youth Council poses for a photograph in front of the OWC offices during their group tour and presentation.



Whitney Glazier Named 2020 National FFA Champion in Grain Production

Whitney Glazier, from the Lomega FFA Chapter, was winner of the 2020 National FFA Grain Proficiency Award. Whitney has a Supervised Agricultural Experience (SAE) that centers around working on the family farm in all aspects of grain production and operating an independent 25 acres of grain production. The farm includes 4,000 acres of wheat, barley and oats. Her duties include operating tractors and tillage implements to perform all the necessary tasks associated with a conventional and minimum tillage operation.

A unique aspect of Glazier's work is the production of registered and certified seed wheat and barley. She is supported by her parents, Lori and Dale, and her FFA advisor, Laramie Lopp. Whitney learned early the importance of good seed weed genetics and has been heavily involved with the State 4-H and FFA Junior wheat show competition every year during her 4-H and FFA career. She also is an advocate of crop rotation —

planting barley, canola, sesame and alfalfa. She has studied, in great depth about planting dates and varieties that are better for grazing so she can be more diversified and risk adverse depending on what the grain and cattle markets are doing at the given time.

During her interview process, Whitney stressed how American agricultural production often is not the least cost producer. However, by being the best value in the world market by offering customers better products for milling and baking U.S. wheat can prove valuable when working to capture higher value markets, making agricultural producers such as her more profitable.

Whitney is a freshmen at Oklahoma State University, and is currently studying agricultural economics and animal science as a pre-veterinarian major. She plans to go back to the farm in Loyal to expand the family seed production and cattle operation upon graduation.

Wilbur-Ellis Company sponsored this this proficiency. [OWC](#)



Whitney Glazier was recently named the 2020 National FFA Champion in Grain Production. [Click this link](#) for more information about Whitney's win!

Jam Kolache

Ingredients

½ cup butter or margarine, softened
1 pkg. (3 oz.) cream cheese, softened
1 ¼ cups all-purpose flour
¼ cup strawberry jam
Powdered sugar, if desired

Method

¹ Heat oven to 375 degrees. Spray cookie sheets with cooking spray.

² In medium bowl, beat butter and cream cheese with electric mixer on medium speed until creamy. Gradually add flour, beating well.

³ On lightly floured surface, roll dough to 1/8-inch thickness. Cut with 2 ½-inch round cookie cutter. Place on cookie sheets. Spoon about ¼ teaspoon jam on each cookie. Fold opposite sides to center, slightly overlapping edges; press down lightly on centers.

⁴ Bake 15 minutes. Remove from cookie sheets to cooling racks. Sprinkle with powdered sugar.



This recipe was created by Betty Crocker. It can be found by clicking [this link](#).



Prep Time 30 minutes



Cook Time 15 minutes



Total Time 60 minutes



Servings 42

Check out [this link](#) for additional delicious holiday recipes!

Read
theFall 2020
Wheat Foods Council
Kernels magazine

Click magazine image for link.



Junior Wheat Show Winners Awarded for the Harvest of 2020!



From left are Chris Klaassen, Hydro-Eakly FFA Instructor and parent; Keith Kising, Oklahoma Wheat Research Foundation; Ginger Klaassen, parent; Tom Stephens, Vice Chairman, Oklahoma Wheat Commission; JanLee Rowlett, Oklahoma Department of Agriculture, Food & Forestry; Dr. Thomas Coon, Vice President, Dean and Director of DASNR; Tate Ott, NW Area FFA Vice President and Raegan Klaassen, sister, presenting Ryder Klaassen his FFA Champion and Grand Champion awards for winning the 2020 State 4-H/FFA Junior Wheat Show overall. Photo Credit: Todd Johnson, Oklahoma State University.

• For more information on FFA Junior Wheat Show winners, click on this [link](#).



Check out [this link](#) for Oatmeal Peppermint Dipped Cookies!

Happy holidays from the
Oklahoma Wheat Commission!



From left are Steve Bedwell, grandfather; Karl Riffel, Okeene FFA Instructor; Keith Kising, Oklahoma Wheat Research Foundation; Chassidy Bedwell, parent; Tom Stephens, Vice Chairman, Oklahoma Wheat Commission; JanLee Rowlett, Oklahoma Department of Agriculture, Food & Forestry; Dr. Thomas Coon, Vice President, Dean and Director of DASNR; Becky Bedwell, Blaine County 4-H Educator; and Hunter Haxton, State 4-H President, who presented Logan Chance her champion awards for winning 1st place and overall champion in the 4-H Division in the 2020 State 4-H/FFA Junior Wheat Show. Photo credit: Todd Johnson, Oklahoma State University.

• For more information on 4-H Junior Wheat Show winners, click this [link](#). [owc](#)



Oklahoma Wheat
COMMISSION

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