

Reno County Extension

April 2017

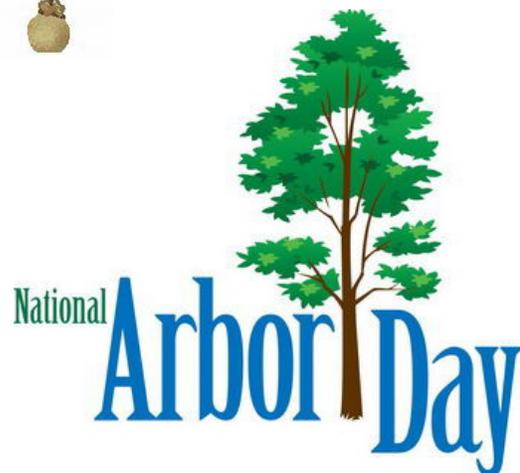


2 W 10th Ave
South Hutchinson KS 67505
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IN THIS ISSUE:

- Page 2** Foliar Fungicide Efficacy Rating/Wheat
- Page 3** Foliar Fungicide Efficacy Rating/Wheat
- Page 4** New Whole Grain Stamp
Canning Timer & Checklist App
Is Your Pet Obese?
National Festival of Breads
- Page 5** Defining Clean Eating
Canning Workshop Flyer
- Page 6** Kansas Guardianship Program
- Page 7** Geocaching Basics
Kansas PRIDE Program
- Page 8** Kansas PRIDE Program
- Page 9** Kansas PRIDE Program
- Page 10** 4-H Judges Workshop
- Page 11** 2017 Reno County Fair

Celebrate Arbor Day
Friday, April 28th



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"K-State Research and Extension is committed to making its services, activities and programs accessible to all participants. If you have special requirements due to a physical, vision or hearing disability, or a dietary restriction please contact Jan Steen by phone at (620) 662-2371 or by email at jmsteen@ksu.edu."

Foliar Fungicide Efficacy Ratings for Wheat Disease Management 2017

Erick D. De Wolf
Plant Pathologist

Efficacy ratings for each fungicide listed in the table were determined by field testing the materials over multiple years and locations in Kansas. They were verified by the members of the North Central Extension and Research Committee (NCERA-184) for the management of small grain diseases.

Efficacy is based on proper application timing needed to achieve optimum effectiveness of the fungicide as determined by labeled instructions and overall level of disease in the field at the time of application. Differences in efficacy among fungicide products were determined by direct comparisons among products in field tests and are based on a single application of the labeled rate as listed in the table.

Quick Guidelines for Fungicide Use

Research conducted by K-State indicates that a single fungicide application made to susceptible wheat varieties when the risk of disease is high will often result in a 4 percent to 13 percent yield increase with an average increase of approximately 10 percent relative to wheat that remained untreated. A lower yield response is likely if the disease remains at low levels or is absent. The following guidelines will help maximize the potential for effective disease management and a positive yield response.

Application timing. In general, the largest reductions in disease severity and greatest increases in wheat yield or grain quality occur when fungicides are applied between full extension of the flag leaves and anthesis (when the male flower parts have just begin to emerge). Applications intended for the management of glume blotch or head scab should be made between the beginning of anthesis and 50 percent flowering. Always consult the product label for specific growth stage restrictions and preharvest intervals (PHI) before making fungicide application.

Pay attention to disease scouting reports. The risk of severe disease and yield loss is greatest when foliar diseases become established early and result in consistent disease pressure throughout the growing season. Discovery of low disease levels within a field or regional reports of disease outbreaks when the local wheat crop is between jointing and flag leaf emergence, is a valuable indicator of an elevated disease risk and potential yield loss.

Know the vulnerabilities of varieties. Growing wheat varieties that are susceptible to leaf rust, stripe rust, tan spot, or powdery mildew increases the risk of severe disease and yield loss. Fungicides are most likely to improve yield when applied to varieties that are susceptible to one or more of these common diseases. Varieties with moderate or high levels of resistance to these diseases are less likely to benefit from a fungicide application. For more information, refer to *Wheat Variety Disease and Insect Ratings*, MF991 and *Evaluating the Need for Wheat Foliar Fungicides*, MF3057.

This information is provided only as a guide. It is the responsibility of the pesticide applicator by law to read and follow all current label directions. No endorsement is intended for products listed, nor is criticism meant for products not listed. Members of NCERA-184 Committee assume no liability resulting from the use of these products.

Brand names appearing in this publication are for product identification purposes only. No endorsement is intended, nor is criticism implied of similar products not mentioned. Persons using such products assume responsibility for their use in accordance with current label directions of the manufacturer.

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Publications are reviewed or revised annually by appropriate faculty to reflect current research and practice. Date shown is that of publication or last revision. Contents of this publication may be freely reproduced for educational purposes. All other rights reserved. In each case, credit Erick D. De Wolf, *Foliar Fungicide Efficacy Ratings for Wheat Disease Management 2017*, Kansas State University, April 2017.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

EP130

April 2017

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Kansas State University Agricultural Experiment Station and Cooperative Extension Service

Efficacy of fungicides for wheat disease control based on appropriate application timing.

Class	Active ingredient	Fungicide(s)		Stagonospora										Harvest restriction
		Rate/a (fl. oz.)	Powdery mildew	leaf/glume blotch	Septoria leaf blotch	Tan spot	Stripe rust	Leaf rust	Stem rust	Head scab ⁴				
Strobilurin	Picoxystrobin 22.5%	Approach SC	G ¹	VG	VG ²	VG	E ³	VG	VG	NL	Feeles 10.5			
	Fluoxastrobin 40.3%	Exito 480 SC	G	--	--	VG	--	VG	--	NL	Feeles 10.5 and 40 days			
	Pyraclostrobin 3.6%	Headline 2.09 EC	G	VG ²	VG ²	E	E ³	E	G	NL	Feeles 10.5			
Triazole	Metconazole 8.6%	Caramba 0.75 SL	VG	VG	--	VG	E	E	E	G	30 days			
	Tebuconazole 38.7%	Follicur 3.6 F ⁵	NL	NL	NL	NL	E	E	E	F	30 days			
	Prothioconazole 41%	Proline 480 SC	--	VG	VG	VG	VG	VG	VG	G	30 days			
Mixed modes of action ⁶	Prothioconazole 19%	Prosaro 421 SC	G	VG	VG	VG	E	E	E	G	30 days			
	Tebuconazole 19%	Tilt 3.6 EC ⁵	VG	VG	VG	VG	VG	VG	VG	P	Feeles 10.5			
	Propiconazole 41.8%	Absolute Maxx SC	G	VG	VG	VG	VG	E	VG	NL	35 days			
Mixed modes of action ⁶	Cyproconazole 7.17%	Approach Prima SC	VG	VG	VG	VG	E	VG	--	NR	45 days			
	Picoxystrobin 17.94%	Fortix	--	--	VG	VG	E	VG	--	NL	Feeles 10.5 and 40 days			
	Fluoxastrobin 14.8%	Fluaxpyroxad 2.8%	G	VG	VG	VG	E	E	VG	NL	Feeles 10.5			
Mixed modes of action ⁶	Flutriafol 19.3%	Nextcor EC	G	VG	VG	E	E	E	VG	NL	Feeles 10.5			
	Fluaxpyroxad 14.3%	Priaxor	G	VG	VG	E	E	E	VG	NL	Feeles 10.5			
	Pyraclostrobin 28.6%	Quilt Xcel 2.2 SE ⁵	VG	VG	VG	VG	E	E	VG	NL	Feeles 10.5			
Mixed modes of action ⁶	Propiconazole 11.7%	Stratego YLD	G	VG	VG	VG	VG	VG	VG	NL	Feeles 10.5 and 35 days			
	Azoxystrobin 13.5%	Triavopro SE	VG	VG	VG	VG	E	E	VG	NL	Feeles 10.5.4 and 14 days			
	Prothioconazole 10.8%	TwinnLine 1.75 EC	G	VG	VG	VG	E	E	VG	NL	Feeles 10.5			
Mixed modes of action ⁶	Trifloxystrobin 32.3%	TwinLine 1.75 EC	G	VG	VG	VG	E	E	VG	NL	Feeles 10.5			
	Benzovindiflupyr 2.9%	Prothioconazole 11.9%	VG	VG	VG	VG	E	E	VG	NL	Feeles 10.5.4 and 14 days			
	Propiconazole 11.9%	Azoxystrobin 10.5%	VG	VG	VG	VG	E	E	VG	NL	Feeles 10.5			

¹ Efficacy categories: NL=Not Labeled; NR=Not Recommended; P=Poor; F=Fair; G=Good; VG=Very Good; E=Excellent; -- = Insufficient data to make statement about efficacy of this product.

² Product efficacy may be reduced in areas with fungal populations that are resistant to strobilurin fungicides.

³ Efficacy may be significantly reduced if solo strobilurin products are applied after stripe rust infection has occurred.

⁴ Application of products containing strobilurin fungicides may result in elevated levels of the mycotoxin deoxynivalenol (DON).

⁵ Multiple generic products containing the same active ingredients also may be labeled in some states.

⁶ Products with mixed modes of action generally combine triazole and strobilurin active ingredients. Nextcor, Priaxor, and Triavopro include carbosamide active ingredients.

It is the responsibility of the pesticide applicator by law to read and follow all current label directions.

GET THE *FACTS* FROM JENNIFER SCHROEDER, Family & Consumer Science Agent

New Whole Grain Stamp



The Whole Grains Council has introduced another Whole Grain stamp to help shoppers search for whole grain foods. The 50% stamp will show up on foods in the first half of 2017. The stamp is available on over 11,000 products in 55 countries.

The three stamps include:

100% Stamp—The product contains all whole grains. The minimum requirement is 16g (a full serving) of whole grain per serving.

50% Stamp—The product contains half or more whole grains in the grain ingredients. The minimum requirement is 8g (a half serving) per serving. **Basic Stamp**—The product contains at least 8g of whole grains (a half serving) per serving and may contain some refined grains.

Each stamp shows how many grams of whole grain ingredients are in a serving of that specific product.

Learn more about the Whole Grain stamps at <https://wholegrainscouncil.org/whole-grainstamp>.

Canning Timer & Checklist App

There's now an app for that! Oregon State University has created a free app for your mobile device for instructions on canning vegetables, fruits, meats and fish.

This app is intended for people with previous canning experience. It has reminders for essential steps in the canning process. It also includes altitude adjustments and a built-in timer for the product you are canning.

This free app is available for Apple and Android devices.

Learn more at:

Catalog.extension.oregonstate.edu/pnw689

Is Your Pet Obese?

Pets, like humans, can become obese and is a serious problem for their health. It is estimated that 58% of cats and 54% of dogs in the U.S. are overweight.

Pet diseases from obesity are similar to human diseases. They can get diabetes, osteoarthritis, high blood pressure, heart and respiratory disease, and kidney disease.

If a pet is 20% over ideal body weight, they are considered obese. This ideal weight varies by animal, age, body type and metabolism. Talk to your veterinarian about how much your pet should be eating.

Here are some signs of obesity to look for:

- Look at your pet from the top. If the back is broad and flat like a footstool, it is overweight.
- Can you feel your pet's ribs?
- Is your pet's stomach sagging or tucked in?

Learn more at www.fda.gov/ForConsumers/ConsumerUpdates/ucm543882.htm

National Festival of Breads

Lots of baking has been taking place at the Wheat Innovation Center to select the top finalists for the 2017 National Festival of Breads! Mark your calendar now for June 17, 2017 to come and enjoy the festival in Manhattan, KS at the Hilton Garden Inn.

New this year is the Enrich Your Life 5K & 1 mile Fun Run. A portion of the event proceeds will be donated to the Flint Hills Breadbasket.

Admission to the festival is free with a donation of a canned or nonperishable food item. These donations will also go to the Flint Hills Breadbasket.

The tentative schedule and link to sign up for the 5K is at

<http://nationalfestivalofbreads.com/hints-and-happenings/2017/06/17/festivalschedule>.

Defining Clean Eating

Lots of conflicting information about eating healthy can leave anyone confused. So the American Heart Association is trying to help clear the confusion.

To start, eat lots of fruits, vegetables and whole grains. This is a common message from many health organizations and educators. Lean meats, low-fat and non-fat dairy, beans and legumes, nuts and seeds are also beneficial.

A healthy, clean diet can also include frozen, canned, and dried foods. Select low-sodium canned foods and fruits canned in water or 100% juice. Choose frozen and dried foods without added salt or sodium.

Some say to avoid the middle aisles of the grocery store. The truth is, many foods in the middle aisles can be a part of a healthy diet.

Source: <https://healthyforgood.heart.org/eat-smart/infographics/what-is-clean-eating>

K-STATE
Research and Extension

CANNING WORKSHOP



Tuesday, May 9, 2017

1 pm - 5 pm

\$15

South Hutchinson Community Building

101 W. Ave. C.

South Hutchinson, KS 67505

For those who have never preserved food at home or those that need a refresher course, this workshop is for you! Sponsored by K-State Research & Extension, this one-day hands-on-workshop will help you get started in preserving food at home safely. Learn about the equipment, ingredients needed, safe handling, and processing methods. You will work with your classmates to pressure can several products. Topics included pressure canning. Please bring a cutting board and knife to the class.

Please bring your canner if you want to have your gauge tested.

To Register:

Send registration fee to:

The Reno County Extension Office at

2 W. 10th Ave.

South Hutchinson, KS 67505

(620) 662-2371

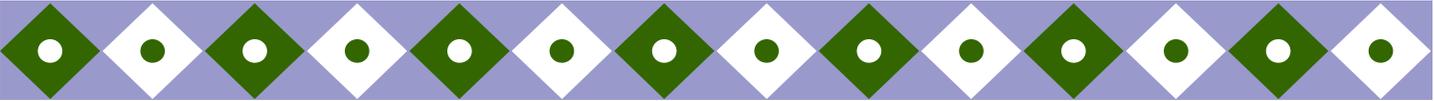
jenj@ksu.edu

RSVP & Registration Fee Due by May 5th.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

K-State, County Extension Councils, Extension Districts, and U.S. Department of Agriculture Cooperating.

All educational programs and materials available without discrimination on the basis of race, color, religion, national origin, sex, age or disability.



Kansas Guardianship Program

Every year many adult Kansans experience diminished capacity and become unable to make informed decisions regarding their lives and finances. For those who do not have willing and able family members to assist them, fellow citizens can be court appointed as a guardian or conservator. If you would like to know more about how this program works or would like to explore how becoming a volunteer happens please join us on May 11, 2017 at the Hutchinson Public Library from 10 am to 11 am.



WHEN: May 11, 2017

WHERE: Hutchinson Public Library
901 N. Main St.
Hutchinson, KS 67501
Conference Room 1.

Reno County Extension

2 W. 10th Ave.
South Hutchinson, KS 67505

620-662-2371
jenj@ksu.edu



COMMUNITY

BITS AND BYTES WITH JAN STEEN

Geocaching Basics

Spring is the time of year when I'm in classrooms and parks across Reno County teaching people about geocaching. It's technology. It's community exploration. It's exercise, and a great way for families to spend some time together.

How does it work?

Millions of people participate in geocaching. Geocaches are hidden items, placed by people like you and me, around the world. These containers and items are hidden in parks, cemeteries, along walking trails, and many more publicly accessible areas. Sometimes the containers hold fun items like coins, toys, pens, or jewelry. Other times the containers will just have a log sheet to sign so you can tell the world you were skilled enough to find it.

When a geocache is hidden, its longitude and latitude coordinates are marked by using a GPS unit or smartphone. The item is then logged online, usually at www.geocaching.com, and it then becomes published and viewable by other geocachers looking for new hidden treasures to look for. People wishing to look for the items can enter the coordinates into their own GPS units or smartphones, and head out for the hunt.

To get started, you can go to www.geocaching.com and enter your address. A listing of hidden geocaches in your area then pops up, as well as an option to bring up a map. From there you can view clues, logs of other geocachers' findings, and more. There are also videos available on the website to show you what you need to know.

Geocaching can be loads of fun, but be sure to follow the rules:

1. Take someone with you. It's more fun to geocache with others, plus if you end up hurt, or in an unfamiliar area, having at least one more person with you is a benefit.
2. Geocaches won't be hidden in areas that aren't accessible to the public.
3. You won't need a shovel. These items aren't anywhere you'd need to dig. You'll always want to leave the area looking the same, or better, than when you got there.
4. If you take an item from a hidden geocache, leave something in return. It's fun to pick up a new pack of baseball cards or a necklace from a hidden geocache, but bring things with you to replace what you take, otherwise the containers will be empty when the next group of people find it.
5. Don't leave sharp objects, food, or fireworks in geocaches. It can sometimes be months between geocachers finding a hidden item, so any candy or snacks left in a container may become stale or even attract pests. Sharp objects and fireworks aren't safe, and could cause injury.
6. Log your find on www.geocaching.com. This tells people if you found the geocache or not. If you did, it means that others following you know it should be there. If you didn't, maybe it's missing and people familiar with that geocache might go out to replace it or repair it.

If you have any questions about geocaching not addressed here, get with me here at the Extension Office and I'll be happy to help out however I can. jmsteen@ksu.edu or 620-662-2371

Kansas PRIDE Program

The Kansas PRIDE Program is a partnership of K-State Research and Extension, the Kansas Department of Commerce, Kansas Masons and Kansas PRIDE, Inc.

Kansas PRIDE is dedicated to serving communities across the state to encourage and assist local

government and volunteers in making their community a better place to live and work. Through the Kansas PRIDE program, local communities identify what they would like to preserve, create, or improve for their future. Then, working with the resources of K-State Research & Extension and the Kansas Department of Commerce, community volunteers pull together to create their ideal community future.

Would your community like to be a PRIDE community? You can learn more by visiting <http://kansasprideprogram.ksu.edu>.

Mark your calendars for Saturday April 22 for the Play on Plum event in Hutchinson



Let's turn our streets into vibrant places as we Play on Plum! On April 22 from 11am-4pm around the Cosmosphere and Hutchinson Community College, numerous partners will come together to build on our assets in the heart of Hutchinson to create a vibrant place with food, games, plants, art, shade, seating, music, and all the things you like to do with other people.

With this event, we hope to engage a variety of people in what makes a safe, walkable, and vibrant space that has a strong sense of place, using our streets as the platform. This event and initiative is supported by a Healthy Communities Initiative grant from the [Kansas Health Foundation](#).

Streets as Places is an approach to placemaking that our community has been learning about and practicing since [Project for Public Spaces](#) visited Hutchinson in August 2016 for a series of workshops. We've focused on the corridor including HCC, Cosmosphere, and Sports Arena because it's packed with assets and amenities that may not be as connected or celebrated, together, as they should.

An important function of streets is to facilitate travel from one place to another, but many of the streets in our community can be so much more than just a conduit for traffic. As our friends at Project for Public Spaces say, "Streets as Places is about helping people begin to see streets in their entirety: not just their function in transporting people and goods, but the vital role they play in animating the social and economic life of communities. It's about communities owning and reclaiming their streets, participating in civic life, and having a direct impact on how their public spaces look, function, and feel."

Some of the activities that will be happening from 11am-4pm:

- Play frisbee or interactive games, lounge, or read on Lockman Lawn
- Get lunch from the Cosmosphere Food Court, which will open its patio on Plum
- Get great coffee from the Ground Control Coffee Shop, powered by Metropolitan Coffee inside the Cosmosphere
- Celebrate Earth Day with an Earth Day Optimism Summit at the Cosmosphere
- Discover the gardens and pond on the HCC campus
- Have fun with Our Redeemer Lutheran Church outside their new Early Learning Center
- Give your input on how to make Plum safer to cross for pedestrians
- Go on a scavenger hunt around the HCC campus



- Take away some greenery to grow your own lettuce, plants, and terrarium
- Get your bike tuned up for the season with Harley's Bicycles (and enter to win a free bike!)
- Hear about the people and organizations working to make Reno County even better as Hutchinson Community Foundation makes some grant awards
- Get your steps in by exploring the corridor through wayfinding signs

Scheduled activities:

11:00am

- Learn the rules of the road for bicycles at a bike rodeo on the ORL Church parking lot
- Watch The Layered Earth program in the Cosmosphere Planetarium
- Build terrariums on the Cosmosphere patio



11:30am

- Enjoy the Hutchinson Municipal Band on the parking lot at 12th & Plum

1:00pm

- Learn who's making our community even greater at Hutchinson Community Foundation's Make It Greater grant awards near 12th & Plum
- Education presentation on hydroponics, aquaponics, and the greenhouse, followed by an Urban Gardening presentation in the Cosmosphere's Endeavor Classroom

2:00pm

- Watch The Layered Earth program in the Cosmosphere Planetarium (2nd showing)
- "Donate Responsibly" runway show at Hutchinson Career & Technical Education Academy (free with donation of a bag of clothes)

3:00pm

- Presentation on Space History Restorations in the Cosmosphere's Banquet Room
- The Reno County Extension Master Gardeners and Extension Office are partners. Find us at the Bike Rodeo and Lettuce/Terrarium areas.

We have extended the registration to Tuesday April 25th.

4-H Judges Workshop

April 25, 2017



Our Redeemer Lutheran Church
407 East 12th, Hutchinson, KS 67501



Workshop Schedule

3:30-4:00pm Registration

Session I (4:00-5:30pm)

Foods
Photography
Workbooks, Posters and Displays
Crops and Flowers

Supper (5:30-6:30pm)

General Session

Session II (6:30-8:00pm)

Foods continued
Arts and Crafts
Talks and Demonstrations
Horticulture and Herbs

Cost: \$14 if postmarked by April 17. \$20 if postmarked after April 17.
Meal and all handouts are included in registration cost.

Questions: Contact K-State Research & Extension – Reno County at 620-662-2371
K-State Research & Extension – Harvey County at 316-284-6930
or email jkrumme@ksu.edu or ppaulsen@ksu.edu or hannaha@ksu.edu

The objective of this workshop is to improve judges' skills in using standards for conference evaluation while providing project information in various subjects. Each participant will be able to attend the General Session and two Subject Area Sessions. A minimum of three participants will be required for the subject area to be presented. Participants will be notified in advance if subject area session does not have adequate participation.

Reno County, K-State, County Extension Councils, Extension Districts, and U.S. Department of Agriculture Cooperating. All educational programs and materials are available without discrimination on the basis of race, color, religion, national origin, sex, age, or disability.

K-State Research and Extension is committed to making its services, activities and programs accessible to all participants. If you have special requirements due to a physical, vision or hearing disability, or a dietary restriction please contact Pam Paulsen at 620-662-2371 or email paulsen@ksu.edu

4-H Judges Workshop Registration

Due April 17, 2017

Name _____ Phone _____

Address _____
street city, state, zip email

Please list Subject Area Workshop choices:

Second choice (if any)

Session I _____ Session I _____

Session II _____ Session II _____

Registration fee is \$14 and must be included (\$20 if postmarked after April 17). No refunds will be given for cancellations but substitutions will be allowed.

Make check payable to Reno County Extension and mail registration to:

K-State Research & Extension Reno Co.
2 W. 10th Ave.
South Hutchinson, KS 67505



2017 RENO COUNTY FAIR

4-H AND OPEN CLASS

JULY 18-24, 2017

KANSAS STATE FAIRGROUNDS



JULY 15 DOG SHOW 4-H & OPEN CLASS @ KSF

**JULY 19 4-H FASHION REVUE @ STRINGER FINE ARTS CENTER,
HCC**

JULY 21 4-H HORSE SHOW @ KSF 11AM

RANCH RODEO OUTSIDE HORSE ARENA KSF 7PM BRING A CHAIR

JULY 23 BLUE RIBBON BBQ 6:00PM @ KSF

CATERED BY STRETCH'S BBQ

TICKETS \$8.00 FOR ADULTS \$5.00 FOR KIDS

PEDAL TRACTOR PULL @ 3:00PM FREE

INFLATABLES FROM 4PM TO 7PM FREE

ANTIQUA TRACTORS FROM 2PM TO 8PM FREE

For more information about the Reno County Fair contact:

**Reno County Extension
2 West 10th Ave
South Hutchinson, KS 67505
620-662-2371**

For a complete schedule of events go to www.reno.ksu.edu