HARLAN COUNTY EXTENSION NEWSLETTER

http://extenson.unl.edu/statewide/harlan
PO Box 258 Alma, NE 68920
Phone: 308-928-2119

MAY 2020

COVID-19 Response

Nebraska 4-H takes the health and safety of our community very seriously and we are carefully monitoring the rapidly evolving COVID-19 situation. Presently, we have made the decision to cancel or postpone all upcoming in-person events. No in-person events through May 31st, Nebraska 4-H programming will resume in a virtual format. We are continuing to plan for summer events and will make determinations at a later time as we continue to monitor the situation up to the event. We thank you for your continued patience and support. For updates on the University of Nebraska-Lincoln's evolving position on COVID-19, please visit the website at covid19@unl.edu.

Bicycle Rodeo
- POSTPONED -
Date to Be Announced at a later time

2020 HARLAN COUNTY FAIR

August 1 - August 6, 2020

ATTENTION LIVESTOCK EXHIBITORS:

ALL LIVESTOCK Affidavits Due to County Office - June 5
ALL LIVESTOCK DNA Envelopes (showing at State and AKSARBEN) Due to County Office - June 5
ALL LIVESTOCK State Fair Online Nominations due - June 15

YQCA
YOUTH FOR THE QUALITY CARE OF ANIMALS

ALL Face-to-Face YQCA events are cancelled.

All youth 8-18 years of age enrolled in livestock projects are required to complete annual quality assurance certification through Youth for the Quality Care of Animals (YQCA). YQCA is a national multi-species quality assurance program focused on three core pillars: food safety, animal well-being, and character development.

Youth must complete the web-based training. Visit https://4h.unl.edu/yqca for all of the information and yqca.org to take the training online. There will be a fee of $12 per kid. When you sign into the YQCA website you will use your 4honline email address and password.

Certificates are due to the Harlan County Extension Office by July 1st.
Remember to email a copy of your certificate to Dawn at dawn.hetrick@unl.edu. The office has to have a copy of your certificate no later than July 1st

CALL TO GET YOUR 4-H LIVESTOCK EAR TAGS!

For Swine & Beef be sure to call the Extension Office to arrange for your **FREE 4-H Tags.** For Sheep & Goats, scrapie tags will be the official identification. Also available are the EID tags for use at State Fair and AKSARBEN for Beef and Swine exhibitors.

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King & Queens Applications

The Harlan County 4-H Council is sponsoring the 4-H King and Queen/Ambassador Contest for 2020.

Requirements for applying are:

*** Must be 16 - 18 years of age January 1st of this year .**

*** At least 2 years of active membership in 4-H, including the current year.**

*** Upstanding individual willing and capable of promoting 4-H in Harlan County.**

Responsibilities include: Maintaining an active participation in promoting 4-H in Harlan County as approved by the 4-H Council. Assist with the 4-H Banquet, 4-H Fall & Spring Dance, 4-H Fair and upon request.

Each King and Queen Ambassador will be awarded $200 from the 4-H Council. Runner ups will each be awarded $50. Applications are due by June 19th, 2020 to the Harlan County Extension Office. Please contact the office for an application or for more information at 308-928-2119 or by emailing Dawn at dawn.hetrick@unl.edu.

EXTENSION

BROWN BAG FUN

To request a FREE Brown Bag kit contact the Harlan County Extension office at 308-928-2119 by MAY 5.
Limit 1 kit per individual/child. We will get all the pieces and have the kit you select available for pickup by MAY 11.
Arrangements can be made for pick up or delivery (at the discretion of staff).

CATAPULT KIT

Create your own catapult. Imagine yourself back in time of the Romans and battle your enemies with marshmallows.

SEW A BUTTON KIT

Learn to help yourself when in a pinch with a basic skill for every day.

MARSHMALLOW SHOOTER KIT

This Marshmallow Shooter activity provides kids an exciting and playful experience, incorporating science concepts, such as velocity, force, and gravity.

SEED BOMB & BUTTERFLY KIT

Learn about butterflies and create seed bombs to help create a butterfly habitat for butterflies to feed.

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Kids Virtual Garden Workshop

Thursday, May 21

TIME: 4:00PM

Video will be posted to Nebraska Extension in Harlan County & Nebraska Extension in Furnas County's Facebook Pages

ENJOY HANDS ON ACTIVITIES

* Create herb seed discs
* Design chalkboard pots
* Roll wildflower mud balls

Pre-registration is a must! Materials will be supplied and pick up location will be announced. To register, call the Harlan County Extension Office at (308) 928-2119 or the Furnas County Extension at (308)268-3105 by May 14.

Program Partners

N EXTENSION
Harlan & Furnas Counties

TWO P TURF

Family of Viola Wohleb

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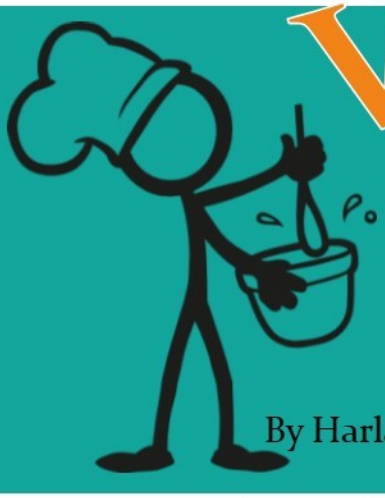

Virtual Cooking 101

By Harlan County Extension Assistant Marcy DeJonge

Yummy adventures Await!

Cooking 101 class will consist of 3 afternoon virtual lessons at 1:00pm, on the Harlan County Extension Facebook Page. Students will learn basic cooking and baking skills to share with the family.

Class Supply Fee: $5 for educational materials

May 15	Food and Kitchen Safety at 1:00 pm
May 22	Measuring Basics and Kitchen Safety at 1:00 pm
May 29	Meal Time Basics at 1:00 pm

Please Register to the Harlan County Extension Office by Friday, May 8th

308-928-2119

or to marcy.dejonge@unl.edu

Youth will need to have all materials ready for this class:

- ingredients,
- measuring utensils,
- Pans, pots, bowls, spoons, etc.
- List of what you need will be provided in the paper materials

Nebraska Extension in Harlan County Facebook Page https://www.facebook.com/harlancountyext/

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JOIN ELENA STOUT FOR:

VIRTUAL MAD SCIENCE MAY!

EVERY MONDAY AFTERNOON THROUGHOUT THE MONTH OF MAY

CHECK OUT ELENA'S VIDEOS ON THE NEBRASKA EXTENSION IN HARLAN COUNTY FACEBOOK PAGE!

HARLAN COUNTY 4H ORDER FORM

NAME:_____

PHONE:_____

T-shirt — Gildan SoftStyle

t-shirt	Youth Small	Youth Med.	Youth Large	Adult Small	Adult Med.	Adult Large	Adult XL	Adult 2XL	Adult 3XL
COST	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
GRAPHITE HEATHER WITH WHITE, BLACK & GREEN PRINT									

SHIRT TOTAL $_____

RETURN ORDER FORM BY JUNE 1, 2020.
PLEASE MAKE CHECKS PAYABLE TO:
HARLAN COUNTY 4H COUNCIL
P.O. BOX 258
ALMA, NE 68920

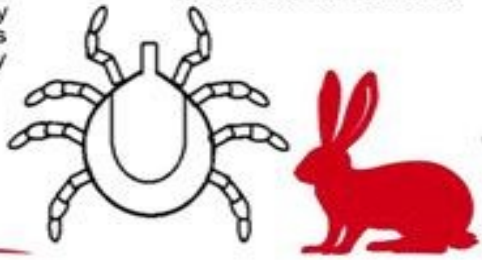
Tic Toc it's Tick Time!

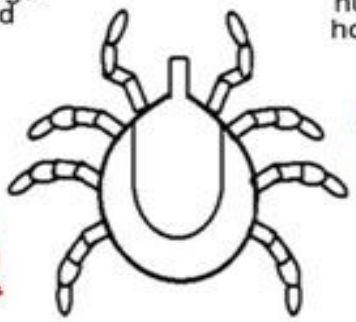
Tick season begins in the spring, usually during May and June. Get to know these diminutive Draculas and learn how to prevent exposure!

After hatching from eggs, ticks go through 3 stages of development; larva, nymph, and adult. To move from one stage to the next they must take a blood meal from an animal. After feeding they fall to the ground and molt to the next stage.

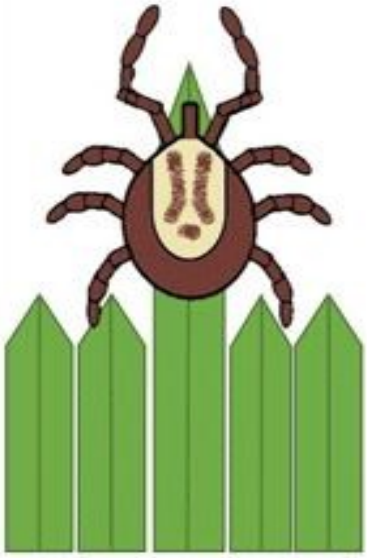
Larval ticks are tiny and only have six legs. At this stage they usually feed on small mammals like mice. When on people may be called seed ticks.

Nymphal ticks have eight legs and feed on medium sized mammals like rabbits.





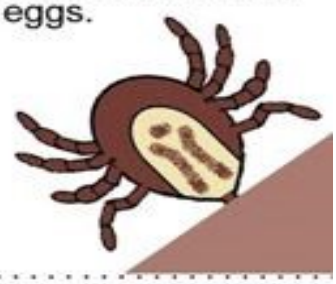
Adult ticks feed on dogs, humans, cattle, deer and horses. At this stage they can mate.



- Contrary to popular belief, ticks do not live in the tops of trees and fall down onto our heads. Ticks are much more likely to be found in areas of tall grass next to paths, trails, fences, or roadways where their hosts are more likely to be.

- Ticks wait at the end of a blade of grass with their front arms out. This behavior is called "questing". When an animal walks by, the tick grabs hold and then searches the body for a spot where they can easily feed. On humans this includes the waist, the groin, knee and arm pits, and the scalp. Once they finish eating they find a mate and females will go and lay a large pile of eggs.

Ticks feed by inserting a "hypostome", which is sort of a spiky tongue, into the skin and drawing up blood. The barbs on the tongue and a natural cement make them difficult to remove. Once they find a good spot they can feed for days on their host.



Tick removal

Ticks should be removed as soon as they are found on you. If they have already begun feeding DO NOT try to remove them with alcohol, essential oils, or open flames.Using these methods may cause the tick to "vomit" into you, increasing the chances of disease transmission.

DO remove a tick with a pair of tweezers. Get as close to the skin as possible, grip the tick and firmly but steadily pull up. Do not wiggle the tick or pieces of it may break off inside of you, leading to infection

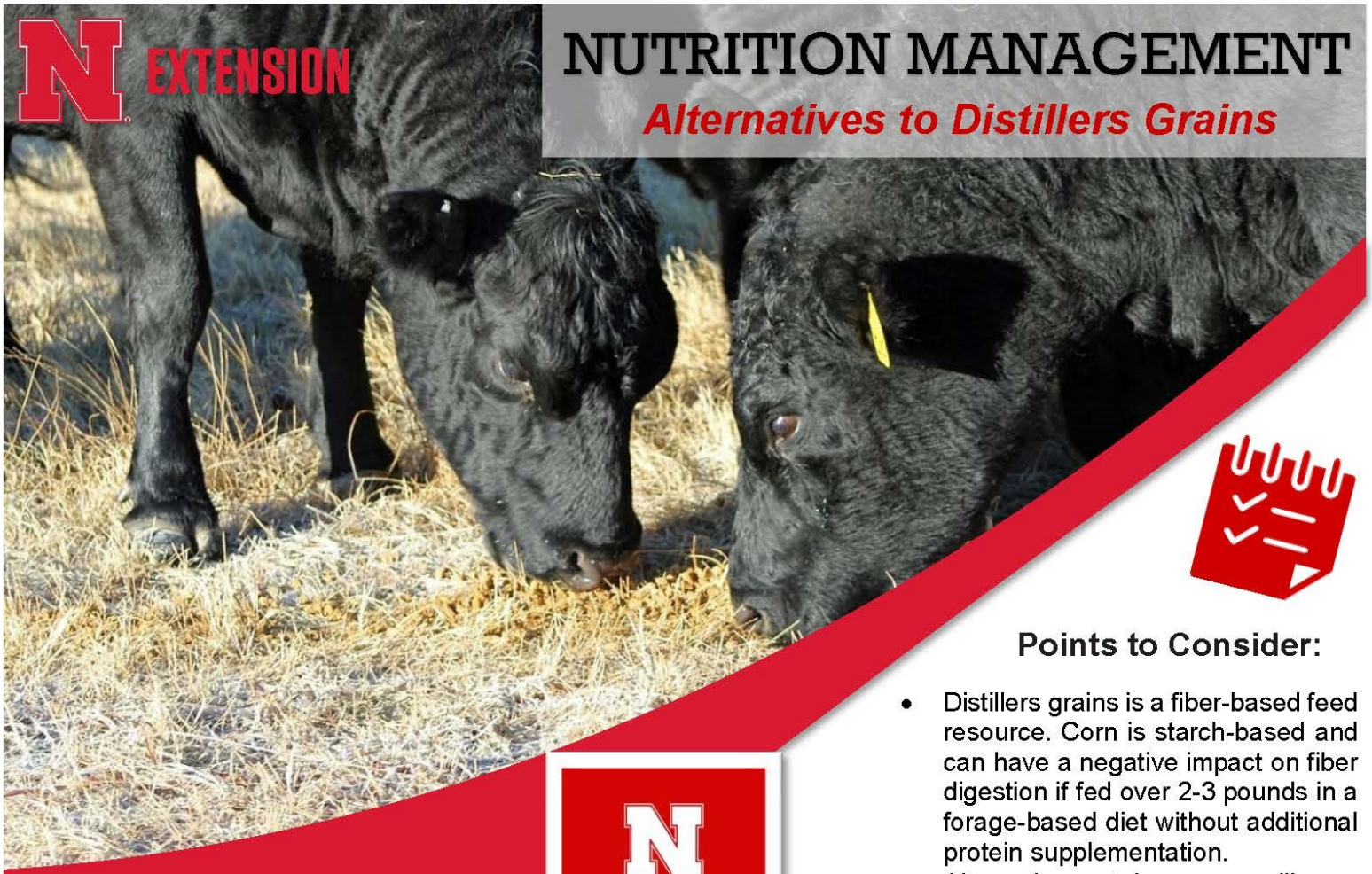
Prevent ticks on you by wearing repellents such as permethrin on your clothes or DEET on your skin. If you hike, bike, mow, or walk near areas of tall grass, always perform a tick check afterwards.

Sources: http://lancaster.unl.edu/pest/resources/NebraskaTicks345.shtml
http://tickencounter.org/tick_identification
https://www.extension.umn.edu/garden/insects/find/ticks-and-their-control/

N EXTENSION
By: Jonathan Larson & Jody Green

NUTRITION MANAGEMENT

Alternatives to Distillers Grains



Erin Laborie
Nebraska Extension Educator
erin.laborie@unl.edu
(308) 268-3105

Issue

The recent shortage in distillers grains has decreased availability for producers and increased the cost of that which is available. Distillers grains is high in energy and protein, specifically rumen undegradable protein (RUP) or by-pass protein, which the animal uses for growth or lactation. Considering these nutritional characteristics, determining alternative feedstuffs to distillers grains will depend on the class of cattle being fed, the basal diet, and desired performance.

Points to Consider:

- Distillers grains is a fiber-based feed resource. Corn is starch-based and can have a negative impact on fiber digestion if fed over 2-3 pounds in a forage-based diet without additional protein supplementation.
- Alternative protein sources will depend on availability, commodity price, and transportation costs. Potential options include distillers-based pellets, alfalfa or dehydrated alfalfa pellets, corn gluten meal, sunflower meal, and soybean meal.
- When purchasing additional feed resources, consider using the Feed Cost Cow-Q-Lator to compare feeds on a price per unit of protein and energy basis.
- If distillers grains is being replaced with a dry ingredient in a mixed ration, adding water will help with diet mixing.
- For backgrounding rations, consider feeding calves to grow at a slower rate of gain.

Nebraska Extension Educators and Specialists are available to assist producers with developing rations to meet cattle nutrient needs. Contact your local Extension office or visit beef.unl.edu for more information.

beef.unl.edu **@UNLBeefExtension** **@UNLBeef** **UNL BeefWatch**

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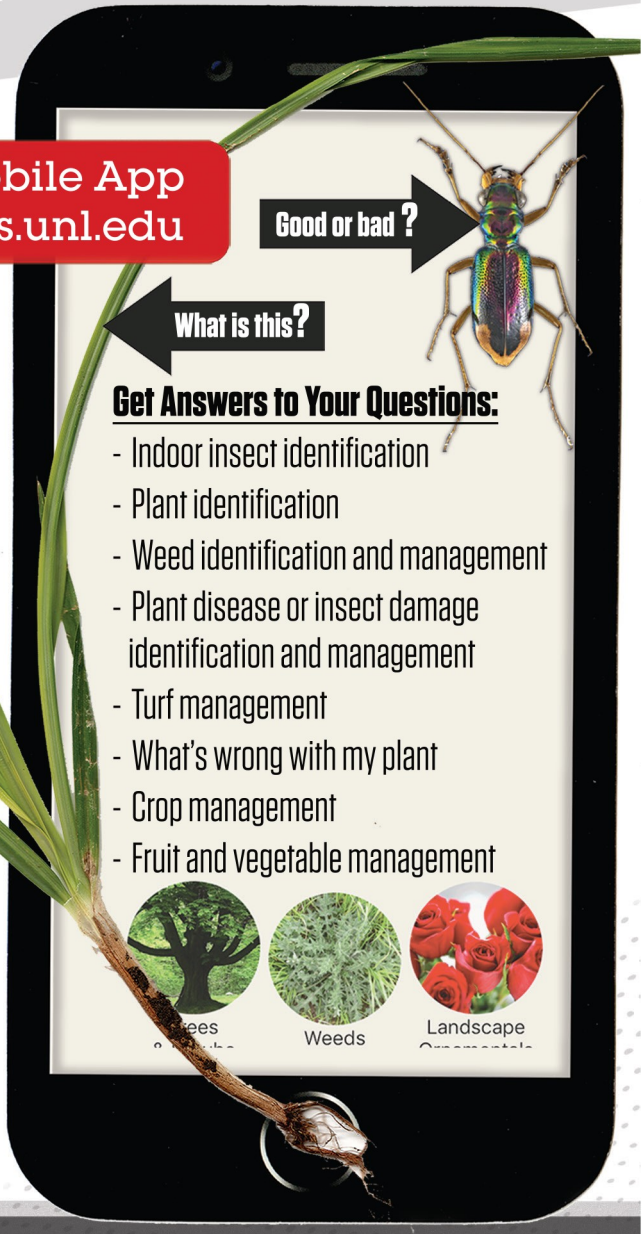
EXTENSION

DIGITAL DIAGNOSTIC NETWORK

Download the Mobile App
digitaldiagnostics.unl.edu



The Digital Diagnostic Network mobile app is a tool created by Nebraska Extension to help you solve your plant and pest problems with aid from Nebraska Extension experts. It's an easy way to get answers to horticultural, agricultural, and entomological questions.

How does it work?

- Snap a picture. Send it over with information about the insect or plant sample to be identified or to determine what is causing problems in the growth of the plant.
- From the app, an email will be sent to a list of Nebraska Extension educators with expertise in the questioned area.
- The experts are then able to provide an answer back to the submitter. The program also ensures that the correct identification is given from a group of Nebraska Extension experts from across the state to cover insects, fruits and vegetables, field crops, grasses, weeds, landscape ornamentals, and trees and shrubs. This is available via the app for you to directly ask questions or by going into your local extension office where trained office staff can take a picture through a digital microscope for better clarity.

Digital Diagnostic Network mobile app disclaimer:
Please do not bring plant samples to your local Extension office during the Covid-19 pandemic situation, as diagnostics must be done remotely.

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UNIVERSITY OF NEBRASKA–LINCOLN INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES

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HARLAN COUNTY EXTENSION NEWSLETTER

Calendar of Events

- May 1: Harlan County Virtual Speech & Presentation Submission Deadline
- May 1: 4-H Enrollment Deadline
- May 4: Virtual MAD Science
- May 5: Brown Bag order deadline
- May 11: Brown Bag pick up
- May 11: Virtual MAD Science
- May 15: Virtual Cooking 101
- May 18: Virtual MAD Science
- May 21: Virtual Kids Garden Workshop
- May 22: Virtual Cooking 101
- May 25: Virtual MAD Science
- May 29: Virtual Cooking 101
- June 1: 4-H T-shirt orders due
- **June 5: ALL LIVESTOCK County Affidavits Due**
- **June 5: STATE FAIR Goat, Sheep, Swine DNA Envelopes Due to County Office.**
- **June 5: Goat, Sheep, Swine & Breeding Beef State Fair Online Nominations due**

EXTENSION

In This Issue

- Harlan County Fair Dates & Deadlines
- 4-H Enrollment Deadline May 1
- YQCA information
- Brown Bag Fun
- Beef Nutrition
- UNL Digital Diagnostic Network
- Virtual lessons
- More!!

Harlan County Extension
PO Box 258
706 Second Street
Alma, NE 68920