

8-2016

## NEBLINE, August 2016

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# NEBLINE

NEBRASKA EXTENSION IN LANCASTER COUNTY

## 4-H Clover College 20th Anniversary Grows From 8 to 58 Workshops

**Tracy Anderson**  
*Extension Educator*

2016 marks the 20th Anniversary of 4-H Clover College in Lancaster County! This year Clover College was held June 14-17 and featured 58 workshops. Some of the new workshops this year included: "Oatmeal Box Photography," "Big Power Machines," "Wild Weather Fun," "Solar Cars," "Code Camp" and "Makey Makey." Over 170 youth participated (taking from 1 to 15 classes each), with a total 1,023 class registrations!

Clover College was started in 1996 with eight workshops. Even though it has grown immensely and time has passed, the premise behind this event remains the same: to provide a positive youth development experience. Youth who participate in Clover College engage in hands-on experiential learning opportunities, develop a sense of belonging and make friends, work and learn in partnership with caring adults, and have fun!

A special thank you to the more than 75 instructors and assistants involved in this event! Many of the adult and teen teachers and volunteers have helped with Clover College for

many years, sharing their time, talents and expertise. They are comprised of current and former 4-H leaders, teens, local agencies, the University of Nebraska-Lincoln academic departments, and Extension faculty and staff.

Clover College is for youth ages 6-18. Workshops emphasize science, healthy living, career development, community engagement and agricultural literacy. The workshops provide opportunities for youth to develop skills they can use now and throughout their life. Some of the projects they make during the workshops may be entered in the Lancaster County Super Fair.

Participating in Clover College workshops makes a difference! Results from a pre-and post-test for the workshop, "Control the Flow," show prior to the workshop, 50 percent of the 18 participating youth did not know how to create a circuit that works and 50 percent would like to have a job related to science, engineering or technology. The post-test revealed 100 percent of the youth learned how to create a circuit that works and 83 percent would like to have a job related to science, engineering or technology.

More photos at [www.flickr.com/photos/unextlanco/albums](http://www.flickr.com/photos/unextlanco/albums)



In "Pizza Party," taught by Extension Associate Cole Meador (at top), youth created their own pizza and made homemade ice cream. They also learned where food comes from and about nutrition.



In "Makey Makey," taught by ExtensionCorps member Savannah Schafer (at right) and Happy Orchard Intern Lauren Hull, youth built computer joysticks using "Makey Makey" kits and Play-Doh (which acts as a conductor because it contains salt). Pictured at top is Extension Educator Tracy Anderson who has organized Clover College since 1998.



In the "Cluck, Cluck, Quack!!" workshop taught by the Egg Basket 4-H Club, youth enjoyed the fun of backyard poultry as they learned about chickens, ducks, etc.



In the four-day "Clover Kids Day Camp," youth ages 6-7 participated in several hands-on activities while learning about science, animals, food fun, the outdoors and more. Pictured, youth make recycled paper from used office paper.



In "Big Power Machines," a new workshop at Clover College, Lancaster County Engineers gave youth a behind-the-scenes tour of how mechanics create specialized equipment and make repairs.



In "Insect Investigators" taught by Extension Educator Jody Green, youth made a catch-and-release critter container and enjoyed the thrill of a bug hunt.

### What Youth Say About Clover College

**Sarah Dilley (14 years old)(participant and volunteer)** — "Clover College is something I look forward to every year! Whether it's helping with the classes or participating in them, they are all a great learning opportunity, but also super fun and interactive! I love being able to go to Clover College and come home with awesome projects that I made."

**Micah Pracheil (9 years old)(participant)** — "My favorite Clover College class was 'Makey Makey.' It was fun using the alligator clips to make a gameboard for the games on the computer. I like Clover College because we get to do all sorts of different stuff and try new things. This year I picked the classes that were about science because they sounded like fun. I think the things I learned in Clover College will help me with my job someday."

**David Swotek (13 years old)(participant and volunteer)** — "I help with Clover Kids and take classes too, so I get the value of both leadership and learning."

**Jenna Kramer (11 years old)(participant)** — "Clover College is a way to make new friends. At Clover College, you can get an experience you can't get anywhere else. Clover College helps you socially grow because you meet lots of new people."

see CLOVER COLLEGE on back page

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Nebraska Extension in Lancaster County  
444 Cherrycreek Road, Suite A  
Lincoln, NE 68528  
402-441-7180  
<http://lancaster.unl.edu>



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Nebraska Extension in Lancaster County  
444 Cherrycreek Road, Ste. A, Lincoln, NE 68528  
402-441-7180

<http://lancaster.unl.edu>

Email: [lancaster@unl.edu](mailto:lancaster@unl.edu) • Fax: 402-441-7148

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Karen Wobig

#### ADMINISTRATIVE AIDE

Jenny DeBuhr

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Tracy Anderson, Sarah Browning, Jaci Foged, Jody Green,  
Alice Henneman, Tyler Williams

#### EXTENSION ASSOCIATES

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Kristen Houska, Cole Meador, Dana Root-Willeford

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David Smith

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Pam Branson, Deanna Covault, Karen Evasco, Konnie Robertson,  
Chris Rosenthal, Karen Wedding

## NEBLINE

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# Cool Summer Salads

Alice Henneman, MS, RDN  
Extension Educator

It's the lazy, hazy, crazy days of summer. Kick back and cool off with these summer salad ideas. They are perfect for using fresh produce from your garden, local farmers' market, Community Supported Agriculture share or grocery store.

keep previously cooked meat longer than 4 days if saving from a previous meal for adding at the time of serving your salad.)

Softer vegetables and fruits come next, such as corn, olives, grape tomatoes and dried fruit (i.e. raisins, cranberries, blueberries, cherries).

Nuts and seeds follow, for example almonds, walnuts and sunflower seeds. Chunks of

## Tuna and Lettuce Salad

No recipe is needed for this salad. Simply toss lettuce with your favorite salad dressing and such ingredients as sliced radishes, tomato wedges and cucumber slices. Top with a scoop of canned, drained tuna mixed with mayonnaise and a bit of chopped green onion or sweet onion. Fresh, chopped dill is another delicious addition to the tuna-mayonnaise mixture.

## Tomato Wedge Salad

Here's another quick salad. Slice a tomato into six or more wedges, leaving the bottom intact. Place on a bed of lettuce leaves. Top with a scoop of your favorite egg salad or tuna salad recipe.

## Two Ingredient Vinaigrette for Salads

For a quick, simple salad dressing, add a splash of vinegar followed by a couple of splashes of extra virgin olive oil. Use a ratio of about 1 part vinegar (such as balsamic, sherry, red wine or fruit-flavored vinegar) to 3 parts olive oil. Eyeball it at about 1 teaspoon vinegar to 3 teaspoons olive oil per about 2 cups of salad. (NOTE: If desired, add a dash of salt at the beginning). Toss and enjoy!

The benefit of this easy recipe is you control the amount of ingredients plus you don't have any of those aging bottles of salad dressing in your refrigerator that eventually get tossed! And — you don't have to mix up a salad dressing in advance.

For more tips and recipes on cooking fresh vegetables and fruits as they come into season this summer, check the *Cook It Quick* blog at <https://cookitquick.org>



Salad in a Jar

## Salad in a Jar

All you need is a Mason jar (the type used in canning) or some other type of large jar with a tight lid. Salads should maintain good quality in the refrigerator for 4 days. Following are the steps for a basic salad.

You don't have to use all the ingredients; however, it is **very important** to put the salad dressing on the bottom followed with a layer of hard, moisture-resistant vegetables to protect the remaining layers from getting soggy.

### Basic Ingredients and Directions for Salad in a Jar:

Place salad dressing in the bottom of the jar (about 2 to 3 tablespoons for a quart-sized salad; 1 to 2 tablespoons for pint-size jar). A vinaigrette-type dressing works well.

Top with a layer of hard, moisture-resistant vegetables (i.e. carrots, cucumbers, broccoli, radishes, cauliflower, red and green pepper).

Follow with one or more of these protein foods: lentils, garbanzo beans or other beans (i.e. black beans, kidney beans, Great Northern Beans, red beans) and canned tuna. Meat, such as previously roasted chicken or ham, may taste best and keep better if added at the time of serving. (NOTE: Don't

cheese also can be added at this time.

Add salad greens last. For the most nutrition, use dark green salad greens (i.e. romaine, spinach, leaf lettuce).

Top the jar with lid and store in the refrigerator. Place salad jar in an insulated bag with a gel pack if carrying it to work. Use within four days for best quality.

Some people like to shake the jar to distribute the dressing and eat directly from the jar. Or, shake the salad into a large bowl. If shaking the salad from the jar doesn't mix the salad with the dressing sufficiently, then gently toss with a fork until ingredients are coated.



Tomato Wedge Salad



Tuna and Lettuce Salad



Two Ingredient Vinaigrette

Photos: Alice Henneman, Nebraska Extension in Lancaster County

# Using La Niña to Forecast the Weather

Tyler Williams  
Extension Educator

The definition of weather is the state of the atmosphere at a place and time and climate is the prevailing weather conditions in an area over a long period. No matter how you look at it, climate is what you expect and weather is what you get. We know all too well in Nebraska, expectation and realization can be polar opposites. Weather comes up in almost every conversation because of this high variability, but also because of the impact weather has on our agricultural industry.

We know the best fertilizer management in corn or a perfectly-designed ration at a feedlot can have an impact on production, but nothing can over-match the impact weather can have on your operation. This is nothing new or surprising to any Nebraskan, but it is the reason why we focus so much on weather and climate predictions.

## Why Does La Niña Matter?

As you have heard, La Niña is on the way. After almost a year with El Niño, it has finally dissipated and we have quickly transitioned to cooler than normal sea surface temperatures in the equatorial region of the eastern Pacific Ocean. This transition has been predicted for a while and is common to past El Niño/La Niña episodes. These past



Typical wintertime pattern La Niña

events allow us to analyze the impacts a La Niña “typically” has on our region and use that to aid in creating seasonal forecasts.

Everyone wants to know what the next season holds, but long-term forecasts in the central part of the U.S. are sort of like throwing darts blind-folded. However, analyzing the historical La Niña events in combination with current weather models allow us to throw darts with part of one eye open. It may not get us a bullseye, but our odds are a lot better.

The challenge with using this La Niña for our late-summer forecast is the late arrival of the La Niña and the lack of consistent historical impacts during the summer. Previous La Niña episodes tend to be warmer and slightly drier than normal in July, August and September for most of the Midwest and Corn Belt; however, the late transition from El Niño may minimize the impact from the upcoming La Niña.

The strongest signal from

a La Niña comes during the winter time, where the winter months are generally cooler than normal in the northern tier of the U.S. The precipitation pattern is not as consistent, but historical episodes have generally received near- or below-normal precipitation from November to April in Nebraska.

## What Actually Is Normal?

The long-term forecasts are typically produced in terms of the probability of conditions being above or below normal. Climate normals are the three-decade averages of temperature and precipitation, with the most recent period being 1981–2010. These are calculated every ten years, so they can fluctuate with climate trends. These are not historical averages that would take into account the weather conditions of the past 100–120+ years.

## Long-Term Outlook

The latest forecast from August through October from

the Climate Prediction Center (CPC) gives our region an increased probability of being warmer than normal. This forecast has remained fairly consistent for the last few months.

The precipitation forecast has been consistently neutral and has not been providing much confidence in receiving above or below normal precipitation. This is not uncommon for this time of year, especially with a long-term forecast. Most of our precipitation the next couple months will come in convective systems and this can severely limit the predictability, especially since El Niño Southern Oscillation (ENSO) is not providing a strong signal.

The forecast moving into the winter starts to mimic La Niña conditions. The CPC keeps the increased odds for above normal temperatures through the fall, but the odds start to decrease as we get into the early winter period. They start to introduce increased odds for below normal temperatures for some of the northern states during the mid-winter time frame.

There is high (approximately 70 percent) confidence a La Niña will be in place this winter, thus the increased probabilities of seeing La Niña-like conditions in the winter outlook. This may change with the strength of the La Niña and the subsequent atmospheric response, so it will be important to watch for upcoming ENSO updates.

## Inheriting a Farm, Seminar Aug. 17

Owning a farm, whether you inherited or purchased the farm, can be quite challenging to manage. Learn management strategies for this asset by attending an educational seminar, “So, You’ve Inherited a Farm, Now What?” presented by Nebraska Extension on Wednesday, Aug. 17 from 9–11:30 a.m. at the Lancaster Extension Education Center, 444 Cherrycreek Road. Participants will learn information to answer questions such as:

- Am I keeping the farm, or selling it?
- How do I manage a farm?
- If leasing, what are key lease provisions?
- What legal considerations do I have with this decision?
- How do we manage family communications and expectations when other family is involved?

Preregistration is requested before Aug. 15 by calling Karen Wedding at 402-441-7180. Registration fee is \$20 per person or \$30 per couple to be collected at the door.

Extension Educators Allan Vyhnaek, Tim Lemmons and Jim Jansen are presenting these workshops and other farm land management education throughout eastern Nebraska.

Vyhnaek says, “I am contacted monthly from citizens who have had their parents pass away and now they are managing a farm for the first time in their lives. They may have even grown up there, but haven’t been around for 30 or 40 years, and need to understand farming practices and management concepts have changed.”

For more information, contact Vyhnaek at avyhnaek2@unl.edu or 402-563-4901.

# Don’t Banish the Booster Until Children Are 57" Tall

Jaci Foged  
Extension Educator

I was doing it again; talking out loud to myself in my car about other drivers. “Why isn’t that kid in their car seat?” I mumble. My daughter sitting safe in her own booster seat in the backseat of my truck asks who I am talking to. “That driver in the red car didn’t have their child buckled in their car seat” I tell her. My seven-year-old sits shocked in the back... “That’s not safe!” she exclaims. “I know baby; she should be buckled up” I tell her.

You will want to keep reading if you:

- have young children.
- transport children under age 18 in a vehicle.
- wish to avoid penalties for failing to follow Nebraska law.

In my childhood we often sat in the bed of a pickup truck rolling down the dirt road without a second thought. If you go back even farther to my father’s childhood, he remembers they would stick six children and two adults in a five passenger car (clearly the math does not add up). My dad talks about riding in the back window ledge or sitting on pillows to see up and over the dashboard while sitting in



Mary Spath, Nebraska Extension in Dodge County

the front seat. You would think the need to add height would be a clue the child shouldn’t be sitting up front; don’t even get me started about the back window — my how times have changed. Many cars now sound audible warnings and flash lights reminding you to secure your seatbelt. We now have digital signs over highways reminding us to “buckle up” for safety.

But, what about our children?

According to Safe Kids

Worldwide, car accidents are the second leading cause of death for children ages 4–10 years old. Nebraska does have laws which mandate protection of children in cars. Children birth to age 6 must be secured correctly in a federally-approved child safety seat. Infants should be placed in a rear-facing infant or convertible car seat in the backseat of the vehicle. Toddlers can be turned forward facing (still in the backseat) and should be in a five-point harness until the child reaches the limits for height and weight of the seat. Booster seats are used when children outgrow the five-point harness. Booster seats can be tricky. These seats should be used until a child is 4 feet 9 inches tall or 57 inches. **Fifty-seven inches is the average height of an 11-year-old.**

I know, you are thinking your 11-year-old would never want to sit in a booster seat that long. The bottom line is booster seats help a seatbelt fit properly. The seatbelt should fit snugly across the upper thighs — not across the stomach and the shoulder belt should not cross the neck or face. Parents and caregivers should also ensure children under the age of 12 ride only in the backseat of vehicle.

Licensed child care

providers are required to take transportation training if they transport children on behalf of their employer. Providers must complete the “Safe Kids Buckle Up” program within 90 days of hire and repeat the training every 5 years.

Car seat installation can be tricky. You should refer to the car seat manufacturer’s instructions as well as your vehicle’s owner’s manual for guidance on the proper installation of your child safety seat. Lancaster County has a couple child safety seat inspection stations you can visit to see if your car seat is installed correctly and learn how to properly secure a child into the seat. Visit [www.safekidsnebraska.org](http://www.safekidsnebraska.org) to see their calendar for car seat check events — appointments

are required.

Nebraska law mandates driver and front seat passengers must wear their seat belts. Nebraska has defined this as a secondary law — this means you cannot be cited for not wearing a seat belt unless you have already been cited for another violation. The penalty for not wearing a seatbelt is \$25. However, children up to the age of 6 are required by law to be in approved child safety seats. Anyone in violation of this can be cited, even if they are not cited for anything else.

Be a good role model for your child, buckle up every time you are in the car and talk with your child about why buckling up is important. Make sure your child is 57 inches tall before you banish the booster.

## Upcoming Learning Child Trainings

Nebraska Extension teaches several early childhood development classes for child care providers. Upcoming classes include:

“**Early Learning Guidelines - Science**” Saturday, Aug. 13, 9 a.m.–3 p.m. at the Lancaster County Education Center, 444 Cherrycreek Road. Cost is \$20. Register at <http://www.esu6.org/?DivisionID=20040>

“**Nutrition and Physical Activity Self-Assessment for Childcare**,” Saturday, Aug. 27, 8:30 a.m.–3 p.m. at the Lancaster County Education Center, 444 Cherrycreek Road. No cost, lunch provided, space is limited!

For additional information or to sign up for a class, contact Jaci Foged at [jfoged2@unl.edu](mailto:jfoged2@unl.edu) or 402-441-7180.

## All Ears for Earwigs

Jody Green

Extension Educator

The earwig is a curious insect pest. It has thread-like antennae on what looks like an ant head, a long and flattened body that moves fast like a cockroach and short beetle-looking wings. What sets them apart are the long, pointy pincers extending from the rear end. It is a debate over how the earwig got its name, but they do not live or lay eggs in human ears.

### Identification

The earwig found in Nebraska is the European earwig. The earwig is long, flattened and a dark reddish-brown color



Male earwig (approximate size)

with pale legs, wings and antennae. They are often about 5/8" long, which includes their distinct-looking, forceps-like, pincer appendages called cerci. Both males and females possess cerci on the end of their abdomen, which is used in mating rituals, defense against predators and to hunt prey. Earwigs have two pairs of wings but seldom fly. Their hindwings are larger than they appear, membranous, folded and tucked origami-style underneath short, leathery forewings. Immature earwigs resemble smaller versions of the adult, but lack wings.

### Pest Status

Earwigs are not pests that will harm or bite humans. They are omnivorous



Male earwigs have large, curved cerci compared to the cerci of the female, which are short and straight (shown magnified).

scavengers that eat both living and dead plants and animals (including smaller insects). Outdoors they are known to damage fruits, flowers, vegetables, shrubs and trees by chewing irregular holes in leaves and roots.

Occasionally they will enter a structure in search of moisture. They are nocturnal, moisture-seeking, crack and crevice dwellers. Indoors, they are often found in basements, bathrooms and laundry rooms, seeking shelter under rugs, mats, baseboards and other materials that hold moisture. They survive by feeding and scavenging on any organic debris.

### Habits

Although they are not considered social insects, they aggregate in large groups in the same harborage areas. Moist summers will favor higher populations of earwigs, and lay eggs in soil in the garden beds, under mulch, stones, boards, concrete structures and other debris.



Earwigs on a peach

Photos: Jim Kalisch, UNL Dept. of Entomology



Earwigs in a flower

They are most active at night and attracted to lights, which in dryer times, draws earwig populations to the exterior of the structure. Earwigs will get in through openings and gaps around doors, windows, cracks in the foundation and utility line/cable openings. They overwinter as adults and do not reproduce inside.

### Prevention

The key to managing earwigs outdoors is to eliminate the damp, cool, dark places around the foundation. This would include cleaning the gutters, fixing the grade, adjusting the downspouts, removing leaf litter and organic matter, reducing vegetation adjacent to the structure and avoiding unnecessary mulch or boards in gardens. It may be a good idea to consider altering the watering schedule so it is not later in the day or evening when earwigs are most active.

To prevent earwigs from getting inside, use caulk, sealant or weather stripping to eliminate pest entry into the building. Reduce the lighting; close to garage doors, entry doors and windows. On occasion, humans will accidentally bring a hitchhiking earwig inside on

materials, so shake out line-dried laundry and inspect objects or flowers before bringing them inside.

### Treatment

Trapping can be effective to reduce the number of earwigs in the garden. Homeowners can make simple pit fall traps using a shallow tuna fish can and a little oil as bait to catch foraging earwigs. Another trap can be made by leaving a rolled up newspaper in the garden. Putting the captured earwigs in a solution of soapy water will kill them.

To remove earwigs from inside the home, scoop them up (they will not hurt you) or use a vacuum. Consider remedies to decrease the moisture and increase the ventilation in the area where earwigs are found. This can be done using fans, air conditioners, dehumidifiers, fixing plumbing leaks, hanging up wet bath mats and squeegeeing standing water in tubs/showers to drains.

Insecticide treatments are not recommended indoors, but options exist for outdoor treatments. There are a variety of products sold in hardware stores that have earwigs listed on the label. Always read the instructions and follow the label.

## Diversity is the Key to Attracting Wildlife

If you are one of the fortunate families living on an acreage or farm, here are some suggestions to help encourage wildlife on your property.

### First, evaluate your property:

- Do you have a large diversity of vegetation on the property?
- Do you have accessible year-round water sources in various locations?
- Are there dead trees, brush piles or rock piles scattered across the landscape?
- Is year-round food provided from a diverse planting of grasses, shrubs and trees?
- Do you supplement food resources for wildlife?

### Create a plan:

- Find out what species of wildlife are native to your area.
- Decide which of the native wildlife you would like to manage or attract.

- Learn as much as possible about the requirements of those wildlife species.
- Determine habitat enhancement needs on your property.
- Design short- and long-term plans for habitat improvements. Don't try to do it all at once.

### Design the steps needed for your plan:

- Select plants providing cover and food for the wildlife you want to attract.
- Plant a variety of plant types; interperse, creating a mixed stand.
- Plant to create protected nesting areas.
- Plant in locations where you can form corridors or connections between different larger habitat plantings.
- Promote and plant woodland, grassland, riparian and wetland habitats.
- Create a number of each type of habitat so different habitats are adjacent to each



Wild turkeys are native to Nebraska. They do well in diverse habitats with trees and cover.

Don McReynolds

other forming those important "edge" areas.

### Developing grassland habitats:

- Grasslands are made up of many grasses, legumes and forbs. Mix as many species of native grassland species as possible.
- Maintain grasslands by eliminating any woody plants like red cedars.
- Add water by forming small "prairie potholes" in low areas. Incorporate a small clay seal in the soil of the lowest point.
- Allow piles of dead grasses and forbs to remain through the winter. These become important overwintering cover.
- Control introduced noxious weeds.

### Creating wetland/riparian habitat:

- Where wetland habitats exist, protect them from draining and pollution. Manage for natural wetland plants and prevent their destruction.
- If you have a creek or stream on your property, allow at least 50 feet on each side for a riparian habitat strip. Plant trees and shrubs providing food, cover and prevent erosion. Many tree species are adapted to riparian locations.

### Creating woodland habitats:

- Mix evergreen, deciduous and shrub species. Plant in random groupings.
- Select species that provide food for

wildlife, forage, nuts, fruits and seeds.

- Select plants that are different heights. Some will give canopy habitat while others form lower habitat cover.
- Allow dead trees to stand if they are in an area that is non-threatening to humans or property. Snags or piles of brush are perfect overwintering sites for wildlife.

- Construct thick understory areas with thorny brambles to protect small animals from predators.

- Create water sources by adding small woodland ponds in lowland areas.

### Be ready to adjust your plan:

Most encounters with wildlife are enjoyable and beneficial, but there are times when you can expect conflicts with wildlife attracted to your property:

- Pro-active prevention is the best control.
- Protect high-valued items with fences and physical deterrents.
- Learn about the wildlife species you are having conflict with so you can determine the best means of control which many include habitat modification.
- Competition and predation are natural in a diverse system of habitats.

Source: Nebraska Extension in Lancaster County's "Acreage Owners Guide," online at <http://lancaster.unl.edu/acreageguide>

## Choosing a Birdbath

Soni Cochran

Extension Associate

When looking for a birdbath for your landscape, find one with a basin you can clean easily. Concrete birdbaths are great for lawn ornaments but they are usually too deep, hard to clean and may crack in winter.

Look for a birdbath with a gentle slope so birds can wade into the water. Do you have something at home you can recycle and use? How about a garbage can lid, a saucer-type snow sled or shallow dish or pan. If you want to buy one, look for a birdbath made of tough plastic that won't break in freezing temperatures

or if a squirrel knocks it over.

One of the best birdbaths is what nature provides — a puddle. Dig a shallow hole in the ground, line it with plastic or cement to make it watertight. Plant native plants around the edges but make sure you don't plant so dense the birds can't see predators like neighborhood cats who may try to hide in the plants. You can even add a pump to circulate the water in your small pool if you want.

Keep your birdbath full at all times. Don't let the water get stale — you don't want to create a breeding habitat for mosquitoes. Dump the water out every couple of days, clean the birdbath if necessary and add fresh water.



# LANCASTER COUNTY **Super Fair**

## Schedule & Map

AUGUST 4-13, 2016

LANCASTER EVENT CENTER  
84TH & HAVELOCK, LINCOLN

[SuperFair.org](http://SuperFair.org)



### NEW EVENTS

- Pages White Tigers (daily)
- Great Inflatible 5K Run (Aug 6)
- Bob Bohm's Family Entertainment (Aug 8-13)
- Turkey Creek Regulators Mounted Shooting (Aug 13)



### MORE RIDES THAN EVER

- Eurobungee, Zipline, Helicopter Rides (on selected days)
- \$20 Super Monday Carnival Wristband
- \$30 Mega All Day (both sessions) Carnival Wristband any Friday, Saturday or Sunday



**DOUBLE HEADLINER SHOW**  
 Aug 11, 7pm (doors open 5:30pm)  
 Pavilion 4 Amy Countryman Arena  
**Blackhawk and Outlaws**  
 with special guest SwitchBak as opener  
 \$20 reserved seating or stage pit, buy tickets at SuperFair.org



# Let the Good Times Grow!

### FREE NIGHTLY SHOWS

**pepsi** Main Stage, Attraction Zone

- Aug 4 | **MWA Pro Wrestling** 7pm
- Aug 5 | **BLEND** (a cappella quartet) 5:30, 6:30 & 7:30pm  
**Hardknox** (classic rock with country) 8:30pm
- Aug 6 | **Mike Walker & Friends** (impressionist) 4, 5, 6 & 7:30pm  
**West Wind** (country) 8:30pm
- Aug 7 | **Last Minute Band** (multi-genre) 4pm  
**Colorful Magic by Bruce** 6:30pm  
**Belles & Whistles** (country) 7:30pm
- Aug 8 | **Finch on the Run** (DJ & karaoke) 7:30pm
- Aug 9 | **Swap Meet Sally** (rock) 7:30pm
- Aug 10 | **McKenzie JaLynn & the Renegades** (country) 7:30pm
- Aug 11 | **Sweetwater Band** (pre- & post-headliner concert entertainment)(classic & southern rock, country & blues) 5-7pm & 9-11pm
- Aug 12 | **Sandy Creek Band** (country) 8:30pm
- Aug 13 | **Cornhusker Country Bash** (9 hours of fun from 3 bands!)
  - Ashton Dugan & the Band Dave 3pm
  - SwitchBak 6pm
  - Emmett Bower Band 9pm

NEW **BUD LIGHT** Beer Garden Experience

& **LOTTERY** Shade Tent

### FREE Super Fair Mobile App

- \$5 fair food & beverage coupon
- Interactive map & schedule



### MUHLBACH MOTORSPORTS COMPLEX (all seats reserved)

**Aug 4 | Figure 8 Races\***  
 Doors Open 5:30pm, Event 7pm  
 \$20 pit pass, \$10 adult admission,  
 \$5 ages 2-12 (under 2 free on lap)

**Aug 6 | Demolition Derby\***  
 Doors Open 5:30pm, Event 7pm  
 \$20 pit pass, \$10 adult admission,  
 \$5 ages 2-12 (under 2 free on lap)

### AUG 13 | NEW, FAST TRACK MUD DRAGS\*

10am Novice Races — FREE to Spectators

6pm Main Event (doors open 5pm)

\$15 pit pass, \$10 adult admission, \$5 ages 2-12 (under 2 free on lap)

\*Save time in line & get the seat you want with reserved tickets at SuperFair.org

## FREE DAILY ATTRACTIONS

NEW



**Pages White Tiger Show**  
Aug 4-7, Aug 11-13 • Noon, 3pm & 6pm  
Aug 8-10 • 5:30pm, 6:30pm & 8pm  
Attraction Zone



**Daryl's Racing Pigs**  
Aug 4-7, Aug 11-13 • 10:30am & 1:30pm,  
4:30pm & 7:30pm  
Aug 8-10 • 5pm, 6pm & 7pm  
Attraction Zone



**A-Z Exotic Animal Petting Zoo & Pony Rides**  
Aug 4-7, Aug 11-13 • 10am-10pm  
Aug 8-10 • 5-10pm  
Attraction Zone



**Antique Tractor Display**  
Aug 4-7, Aug 11-13 • 10am-10pm  
Aug 8-10 • 5-10pm  
Parking Lot B

## ESPECIALLY FOR KIDS — FREE!



**Fun at the Farm Kid Zone — DAILY**  
Aug 4-7, Aug 11-13 • 10am-10pm  
Aug 8-10 • 5-10pm  
Pavilion 1  
Discovery & interactive play area —  
collect eggs, plant crops, play in a corn  
box & more!  
Sponsored by



### Become a Super Fair Jr. Tour Guide — DAILY

Scavenger Hunt for Kids (free t-shirt while supplies last)  
Super Fair App & Multipurpose Arena Super Fair Info Booth



NEW



**Colorful Magic by Bruce**  
Aug 5, 4:30pm • Nebraska Lottery Shade Tent  
Aug 7, 6:30pm • Pepsi Main Stage

## MULTIPURPOSE ARENA — OPEN DAILY

Aug 4-7, Aug 11-13 • Open 10am-10pm  
Aug 8-10 • Open 5-10pm

- Super Fair Info & Souvenir Booth by Cornhusker Kiwanis Club
- Commercial Vendors
- Bingo by Lincoln Dominators Baseball
- Railway Display — FREE by Lincoln Area Railway Historical Society
- MPA Stage with local acts — FREE
- Horseshoe Cafe

## SPECIAL EVENTS



**Toast & Get Hoppy: Beer & Wine Tasting** Featuring Lancaster County & Nebraska Wineries & Microbreweries  
With Live Music by Tom & Wes 5-7:30pm  
Aug 9 • 5-9:30pm  
Nebraska Lottery Shade Tent



**Sheepdog Herding Trials — FREE**  
Aug 12 • 12pm & 6pm  
Pavilion 4 Amy Countryman Arena



**Turkey Creek Regulators Mounted Shooting — FREE**  
Aug 13 • 1pm, 3:30pm & 6pm  
Pavilion 4 Amy Countryman Arena

NEW



**Equipment Rodeo — FREE**  
Aug 13 • 2-6pm  
Parking Lot East of Exhibit Hall

## DAILY SCHEDULE OF EVENTS

Color Key: **4-H/FFA Activities** **Open Class & Super Fair Activities**  
**Free Entertainment** **Paid Admission Events**

### Thursday, August 4

#### COME LET THE GOOD TIMES GROW DAY

Free Lancaster County Super Fair Fans (while supplies last at Super Fair Info Booth)

- 8am-10pm **4-H/FFA Livestock & Horse Exhibits**, Pavilions 1, 2, 3, 4  
8am **4-H English Horse Show, Hunter/Saddleseat Horse Halter/English Showmanship/English Pleasure/English Equitation**, Pavilion 4 Amy Countryman Arena  
9am **4-H Cat Show/Quiz Bowl**, Exhibit Hall North End (A/C building with parking)  
9am-10pm **4-H/FFA Static Exhibits on Display**, Lincoln Room (A/C building)  
10am-Noon **4-H Poultry Judging Contest**, Pavilion 1 Southwest Corner  
11am **4-H Poultry Showmanship/Show**, Pavilion 1 Southwest Corner/West Arena  
11:30pm **VIP Luncheon (Private Event)**, Nebraska Lottery Shade Tent  
12pm **4-H Household Pets Show/Quiz Bowl**, Exhibit Hall, North End (A/C building with parking)  
4pm **4-H/FFA Meat Goat Show**, Pavilion 1 West Arena  
TBA **4-H/FFA Sheep Show, 10 minutes After Completion of 4-H Meat Goat Show**, Pavilion 1 West Arena  
TBA **4-H Poultry Costume Contest/Awards, Following 4-H Poultry Events**, Business Center Nebraska Room  
After 4:30pm **4-H Xtreme Horse Show, Extreme Versatility Class/Discipline Rail/Horsemanship Pairs/Freestyle Drill Teams**, Pavilion 4 Amy Countryman Arena  
6:30pm **4-H Rabbit Breed Identification Contest/Quiz**, Pavilion 1 Southwest Corner  
7pm **Figure 8 Races, Get Reserved Seat Tickets at SuperFair.org (Gates Open 5:30pm) — sponsored by Gana Trucking & Excavating, Muhlbach Motorsports Complex**  
7pm **4-H Fashion Show**, Exhibit Hall (A/C building with parking)  
7pm **FREE — MWA Pro Wrestling**, in front of Pepsi Main Stage

### Friday, August 5

#### KIDS & GRANDPARENTS DAY

Free Super Fair tote bag for grandparents & Super Fair Frisbee for kids (while supplies last at Super Fair Info Booth)

- 8am-10pm **4-H/FFA Livestock & Horse Exhibits**, Pavilions 1, 2, 3, 4  
8am **4-H/FFA Swine Show**, Pavilion 1 West Arena  
8am **4-H Western Horse Show 1, Groom & Care/Western Showmanship/Horse & Pony Halter**, Pavilion 4 Amy Countryman Arena  
9am-10pm **4-H/FFA Static Exhibits on Display**, Lincoln Room (A/C building)  
9:30am & 1pm **Fair Fun Day — for Preregistered Child Care Groups**, Exhibit Hall Room A  
3pm **4-H Bucket Calf Show**, Pavilion 1 East Arena  
TBA **4-H Western Horse Show 2, Reining/Working Pleasure, Immediately Following Horse & Pony Halter**, Pavilion 3 Arena  
4:30pm **FREE — Colorful Magic by Bruce**, Nebraska Lottery Shade Tent  
4:30pm **FREE — Watermelon Feed Hosted by Lancaster County Commissioners — Sponsored by Union Bank & Trust — & Barn Quilt Auction — Sponsored by Big B's Leather**, Nebraska Lottery Shade Tent  
5:30/6:30/7:30pm **FREE Concert — BLEND (A Cappella Quartet)**, Pepsi Main Stage  
TBA **4-H Horse Games Show, Keyhole Race/Pole Bending/Figure 8 Stake Race/Barrel Race, Immediately Following Working Pleasure**, Pavilion 4 Amy Countryman Arena  
5pm **4-H Llama/Alpaca Show**, Pavilion 1 East Arena  
5pm **4-H Table Setting Contest Judging, Public Viewing of Tables Approximately 7:45-8:15pm**, Exhibit Hall (A/C building with parking)  
5:30-7:30pm **Chicken Dinner featuring Raising Cane's, a Public Fundraiser to Benefit Lancaster County 4-H Council**, Exhibit Hall Room B (A/C building with parking)  
5:30pm **4-H Rabbit Judging Contest/Breeder's Choice Show**, Pavilion 1 Southwest Corner  
7pm **4-H Rabbit Pet Class Show**, Pavilion 1 Southwest Corner  
8:30pm **FREE Concert — Hardknox Band (Classic Rock with Country)**, Pepsi Main Stage

### Saturday, August 6

#### SEE THE ANIMALS DAY

- 8am-10pm **4-H/FFA Livestock & Horse Exhibits**, Pavilions 1, 2, 3, 4  
8am **4-H Horse Roping/Working Ranch Show, Working Ranch/Boxing/Roping/Goat Tying/Dummy Roping**, Pavilion 3 Arena  
8am **4-H Miniature Horse Show, Showmanship/Halter/Miniature Horse Jumping/In-Hand Obstacle Trail/Pleasure Driving**, Pavilion 4 Amy Countryman Arena  
8am **4-H Rabbit Market/Breed/Fur Show**, Pavilion 1, Southwest Corner  
9am **Great Inflatable 5K Race, Preregister Online at www.thegreatinflatable.com**, Parking Lot E (Use Gate 3)  
9am **4-H Dog Obedience/Showmanship/Pet Class/Costume Contest**, Exhibit Hall (A/C building with parking)  
9am **4-H/FFA Beef Show**, Pavilion 1 East Arena  
9am-10pm **4-H/FFA Static Exhibits on Display**, Lincoln Room (A/C building)  
9am **4-H Rabbit Showmanship Show**, Pavilion 1 Southwest Corner  
TBA **4-H Horse Special Needs Show, Following 4-H Miniature Horse Show (not to start before 10am)**, Pavilion 4 Amy Countryman Pavilion  
TBA **4-H Horse Trail Show, Following 4-H Horse Special Needs Show**, Pavilion 4 Amy Countryman Pavilion  
TBA **4-H Dog Agility Show, 1 Hour Following the Dog Morning Classes**, Exhibit Hall (A/C building with parking)  
2pm **4-H Dog Creative Kennel Contest**, Exhibit Hall (A/C building with parking)  
4, 5, 6 & 7:30pm **FREE Concert — Mike Walker & Friends (Impressionist)**, Pepsi Main Stage  
6pm **4-H/FFA Livestock Premium Auction**, Pavilion 1 West Arena  
6:30pm **4-H Rabbit Specialty Show/Rabbit Races**, Pavilion 1 East Arena  
7pm **Demolition Derby, Get Reserved Seat Tickets at SuperFair.org (Gates Open 5:30pm)**, Muhlbach Motorsports Complex  
8:30pm **FREE Concert — West Wind (Country)**, Pepsi Main Stage

## Sunday, August 7

### FAMILY FUN DAY

- 8-9:30am **4-H/FFA Exhibitors Breakfast (Private Event) — Courtesy of Lancaster County Ag Society**, Business Center Nebraska Room
- 8am **Cowboy Church**, Pavilion 4 Amy Countryman Arena
- 8am-7pm **4-H/FFA Livestock & Horse Exhibits**, Pavilions 1, 2, 3, 4
- 8am **4-H/FFA Dairy Cattle Show**, Pavilion 1 East Arena
- 8am **4-H Dairy/Pygmy Goat Show/Costume Contest**, Pavilion 1 West Arena
- 8am **Open Class Rabbit Show**, Exhibit Hall (A/C building with parking)
- 9am-10pm **4-H/FFA Static Exhibits on Display**, Lincoln Room (A/C building)
- 10am **4-H Western Horse Show 3, Bareback Equitation/Western Pleasure/Western Horsemanship/Ranch Horse Pleasure, Ranch Horse Versatility**, Pavilion 4 Amy Countryman Arena
- 11:30am **Open Class Dairy Cattle Show — Sponsored by Trade Well Pallet**, Pavilion 1 East Arena
- Noon-4pm **Show & Shine Car Show — Sponsored by TO Haas Tire & Auto**, Parking Lot B
- Noon-2pm **4-H/FFA Livestock Judging Contest**, Pavilion 1
- 12:30pm **FREE — Big Wheel Race, Register at 12pm — Sponsored by Lancaster County Farm Bureau**, Exhibit Hall (A/C building with parking)
- 1pm **4-H Clover Kids Show & Tell**, Lincoln Room (A/C building)
- 3pm **FREE — Pedal Tractor Pull, Register at 2:30pm — Sponsored by Lancaster County Farm Bureau**, Exhibit Hall (A/C building with parking)
- 4pm **FREE Concert — Last Minute Band (Multi-Genre)**, Pepsi Main Stage
- 5pm **4-H/FFA Elite Showmanship Contest**, Pavilion 1 West Arena
- 5pm **FREE — Hay Hauling Contest**, Muhlbach Motorsports Complex
- 5:30pm **4-H Rabbit Awards (Private Event)**, Business Center Nebraska Room
- 6:30pm **FREE — Colorful Magic by Bruce**, Pepsi Main Stage
- 7:30pm **FREE Concert — Belles & Whistles (Country)**, Pepsi Main Stage

## Monday, August 8

### CARNIVAL DISCOUNT DAY

FAIR FREE ADMISSION DAY!!! No gate admission or parking fees.

**4-H Static Exhibit Release & Open Class Static Exhibit Check In (Not Open to the Public)**, Lincoln Room

- 4pm **Open Class Swine Show**, Pavilion 1 West Arena
- 5:30pm **FREE — McClain's Kids Ranch Rodeo, Open to All Kids, No Preregistration**, Pavilion 4 Amy Countryman Arena
- 5:30, 7 & 8:30pm **FREE — Bob Bohm's Family Entertainment**, Multipurpose Arena South End
- 6pm **FREE — McClain's Mutton Bustin', Limited Entries for Youth to Preregister at SuperFair.org — Sponsored by KX 96.9 Radio**, Pavilion 4 Amy Countryman Arena
- 7:30pm **FREE — Finch on the Run (DJ & Karaoke)**, Pepsi Main Stage

## Tuesday, August 9

### TASTE THE GOOD TIMES DAY

FAIR FREE ADMISSION DAY!!! No gate admission or parking fees.

**Open Class Static Exhibit Judging (Not Open to the Public)**, Lincoln Room

- 4:30pm **Open Class Sheep Show & Sale**, Pavilion 1 West Arena
- 5-9:30pm **Toast & Get Hoppy: Wine & Beer Tasting Featuring Lancaster County & Nebraska Wineries & Microbreweries, With Live Music by Tom & Wes 5-7:30pm (Acoustic Guitar/Vocal Duo) — Sponsored by HopCat Lincoln & Omaha Happy Hours.com**, Nebraska Lottery Shade Tent
- 5:30, 7 & 8:30pm **FREE — Bob Bohm's Family Entertainment**, Multipurpose Arena South End
- 7:30pm **FREE Concert — Swap Meet Sally (Rock)**, Pepsi Main Stage

## Wednesday, August 10

### VETS & HEROES DAY

FAIR FREE ADMISSION DAY!!! No gate admission or parking fees

- 8am **Open Class Poultry Show**, Pavilion 1 Southwest Corner
- 9am-10pm **Open Class Static Exhibits on Display**, Lincoln Room (A/C building)
- Noon **Open Class Beef Cattle Show — Sponsored by State Farm (Bev Higgins) & Misty's**, Pavilion 1 East Arena
- 5pm **Lancaster Barrel Racing**, Pavilion 3 Arena
- 5:30, 7 & 8:30pm **FREE — Bob Bohm's Family Entertainment**, Multipurpose Arena South End
- 7:30pm **FREE Concert — McKenzie Jalynn & the Renegades (Country)**, Pepsi Main Stage

## Thursday, August 11

### MORE RIDES THAN EVER DAY

- 9am-10pm **Open Class Static Exhibits on Display**, Lincoln Room (A/C building)
- 2, 4, 6 & 8pm **FREE — Bob Bohm's Family Entertainment**, Multipurpose Arena South End
- 4:30pm **Open Class Miniature Horse Show**, Pavilion 2 Arena
- 5-7pm & 9-11pm **FREE Pre- & Post-Headliner Concert Entertainment — Sweetwater Band (Classic & Southern Rock, Country & Blues)**, Pepsi Main Stage
- 7pm **Double Headliner Show: BLACKHAWK and OUTLAWS, with Special Guest SwitchBak as Opener, Get Tickets at SuperFair.org (5:30pm) — Sponsored by KX 96.9 Radio**, Pavilion 4 Amy Countryman Arena

## Friday, August 12

### HOME ON THE RANGE DAY

- 7:30am **Open Class Miniature Horse Show**, Pavilion 2 Arena
- 9am-10pm **Open Class Static Exhibits on Display**, Lincoln Room (A/C building)
- Noon **FREE — Sheepdog Herding Trials**, Pavilion 4 Amy Countryman Arena
- 1pm **Open Class Llama Show**, Pavilion 1 East Arena
- 2, 4, 6 & 8pm **FREE — Bob Bohm's Family Entertainment**, Multipurpose Arena South End
- 6pm **FREE — Sheepdog Herding Trials**, Pavilion 4 Amy Countryman Arena
- 7pm **Lancaster Roping**, Pavilion 3 Arena
- 8:30pm **FREE Concert — Sandy Creek Band (Country)**, Pepsi Main Stage

## Saturday, August 13

### MUD, MUSIC & BULLETS DAY

- 8am **Open Class Dairy Goat Show**, Pavilion 1 West Arena
- 8am **Open Class Boer Goat Show**, Pavilion 1 West Arena
- 9am **Open Class Llama Show**, Pavilion 1 East Arena
- 9am-10pm **Open Class Static Exhibits on Display**, Lincoln Room (A/C building)
- 10am **Fast Track Mud Drags NOVICE RACES — FREE Admission to See ATV, UTV, Daily Driver & Street Rod Classes**, Muhlbach Motorsports Complex
- 1, 3:30 & 6pm **FREE — Turkey Creek Regulators Mounted Shooting — Sponsored by Wolfe Ace Hardware**, Pavilion 4 Amy Countryman Arena
- 2-6pm **FREE — Equipment Rodeo (To Participate, Preregister at SuperFair.org) — Equipment Donated by Titan Machinery**, Parking Lot East of Exhibit Hall
- 2, 4, 6 & 8pm **FREE — Bob Bohm's Family Entertainment**, Multipurpose Arena South End
- 3pm-Midnight **FREE — "Cornhusker Country Bash," 9 Hours of Fun from 3 Different Bands — Sponsored by Valentino's** Pepsi Main Stage
- 3pm, **Ashton Dugan & the Band Dave**
  - 6pm, **SwitchBak**
  - 9pm, **Emmett Bower Band**
- 6pm **Fast Track Mud Drags MAIN EVENT — Semi Pro Classes Including Sportsman, Super Stock, Modified & Open, Reserved Seat Tickets at SuperFair.org (Gates Open 5pm)**, Muhlbach Motorsports Complex

### NEW RIDES!



NEW

**Eurobungee**  
Aug 4-11  
Lot B



NEW

**Zipline**  
Aug 8-13  
Lot B



NEW

**Helicopter**  
Aug 4-7,  
Aug 11-13  
Lot K

### VENDORS — OPEN DAILY

Browse through both inside & outside booth displays from local companies with NEW & more vendors with your favorite fair foods.



The Super Fair is brought to you by Lancaster County Agricultural Society, a nonprofit 501(c)3 organization that promotes agriculture, youth and community. Help let the good times grow by making a donation at SuperFair.org today!



Lancaster Event Center is a nonprofit 501(c)3 organization dedicated to growing community through all-year-around events like yours and the Super Fair. Go to LancasterEventCenter.org to plan your next event.



The Nebraska Extension in Lancaster County 4-H Youth Development program is open to all youth ages 5-18. Visit lancaster.unl.edu to learn how to get involved.



The National FFA Organization (formerly Future Farmers of America) is an agricultural education program based in classrooms. Local chapters are Norris, Raymond Central, Waverly and Crete. Find out more at ffa.org





# Havelock Avenue



Left turn enter/exit restricted at peak times. U or left turn at Havelock as needed.



**Updated FREE Mobile App — Get \$5 Coupon**  
 Save your favorite events, use the interactive map & schedule while at the fair, sign up for alerts & more. Download the app to receive \$5 off coupon for any Lancaster Event Center Cafe.  

**Website**  
[SuperFair.org](http://SuperFair.org)  
 LancasterEventCenter.org

**Facebook**  
 @SuperFairLNK  
 @LancasterEventCenter

**Twitter**  
 @SuperFairLNK  
 @LancasterEventC

**Instagram**  
 @SuperFairLNK  
 @LancasterEventCenter

**Fairground General Rules**

- No smoking inside buildings
- No bicycles, scooters, ATVs, hoverboards, drones, or personal golf carts allowed
- Alcohol must be consumed in designated areas only
- No dogs allowed in buildings unless required or for shows
- Parking is allowed in designated areas only



**Pick up FREE GATE ADMISSION tickets at these locations**






## GATE ENTRY

**Gate Admission**  
 (Thu–Sun, 10am–10pm) \$2 day/per person\*  
*\*pick up free Gate Admission tickets at sponsor locations, needed for each entry*  
 (Mon–Wed, 5–10pm) FREE admission

**Parking**  
 (Thu–Sun) \$5 day/per vehicle\*  
 (Mon–Wed) FREE parking  
*\*same day re-entry allowed, if parking permit kept*

## PARKING TIPS

**Drop Off/Pick Up Zones** Parents may drop off/pick up their kids (13 & older) at Gates 1 & 3 without paying a parking fee

**Handicapped Parking** Ample parking reserved at Gate 1 (Lot J) for most events. Use Gate 3 for parking closer to Exhibit Hall (A/C building with parking), Equine & Muhlbach Motorsports Complex events

**Golf Cart Service** Available from/to each parking lot including handicapped Lot J

**Pedestrian Walkways & Bridges** Use these to stay safe when walking to/from parking lots

**Two Ways to Exit** Use Gate 1 (84th Street) & Gate 3 (Havelock Ave) to exit the fairgrounds

## CARNIVAL INFO

**Carnival Hours**  
 Weekdays Aug 4 & 8–11 • Open 6–11pm  
 Weekends Aug 5–7 & 12–13 • Open 1–11pm

**Wristband Session Times**  
 Wristband weekday session = 6–11pm • buy by 10pm  
 Wristband weekend session 1 = 1–6pm • buy by 5pm  
 Wristband weekend session 2 = 6–11pm • buy by 10pm

**All-You-Can-Ride Wristbands**  
 Buy at carnival ticket booths OR save time in line & buy in advance at SuperFair.org through Aug 13 (with convenience fee)

- \$20 per session if purchased through Aug 3, buy online or at Lancaster Event Center office (M–F, 8am–5pm)
- \$25 per session if purchased starting Aug 4, buy online or at carnival
- **Super Monday Wristband Special** \$20 for Aug 8, 6–11pm, buy online through Aug 8 or at carnival Aug 8 only through 10pm
- **New — Mega All Day Wristband** Only \$30 for any Fri., Sat. or Sun. to ride in both sessions (1–11pm). Must buy online through Aug 13 or at carnival on these days only by 5pm

## Helping Pollinators: Build a Solitary Bee Nest Using Recycled Materials

Mary Jane Frogge  
Extension Associate

Native bees are important plant pollinators. Some native bees, like leaf cutter bees and mason bees, nest in hollow plant stems. You can help native solitary bees by providing a man-made bee nest. This is a great activity for kids and youth groups.

### Supplies

- 1-3/4 inch plastic lid from juice container
- Paper towel tube cut to 7 inches in length (we use the tube from automated paper towel dispensers) — if you use a regular sized paper towel tube, the plastic juice container lid will need to be 1-1/2 inches

- Paper drinking straws cut to 6 inches in length
- Mason bee tubes (optional)
- Duct tape
- Zip ties or twine

### Instructions

Push the juice container lid into the cut end of the paper towel tube. It should fit snugly. The nesting tube needs to have one end closed off or the bees will not be able to nest in the tube.

Place the paper straws and/or mason bee tubes in the paper towel tube and push them back so they are snug against the juice lid. Place enough paper straws inside until they are snug and will not fall out.

Cover the outside of the paper towel tube with duct tape. This will help keep the bee nest

water proof and last longer.

Place your bee nest outside in your landscape with the nest positioned horizontally. The opening should face south or southeast. Put the nest approximately 2–4 feet above the ground. Use two zip ties or twine to attach the bee nest to a post or fence. You could also attach it to a building, tree or large shrub. Wherever you place the bee nest, make sure it is securely attached and level.

Female native solitary bees will nest in the bee tube during the spring and summer. The immature bees will over winter in the tube and emerge as adults next spring. Leave the bee nest in place for approximately two years. Replace the bee nest when all the bees have emerged.



Bee Nest supplies: paper towel tube, plastic lid, paper straws and duct tape.



Paper straws inserted into paper towel tube and pushed snug to the back.



Place your bee nest outside in your landscape with the nest positioned horizontally. The opening should face south or southeast.

## GARDEN GUIDE

### THINGS TO DO THIS MONTH

Mary Jane Frogge, Extension Associate

Water the garden early in the day so plants can absorb the moisture before the hot sun dries the soil. Early watering also insures that the foliage dries before night. Wet foliage at night increases susceptibility to fungus diseases.

Many herbs self-sow if the flowers are not removed. Dill produce seeds that fall around the parent plant and come up as volunteers the following spring.

Every weed that produces seed means more weeds next year. Control weeds before they go to seed.

Remove old vegetable plants which have stopped producing to eliminate a shelter for insects and disease organisms.

Hand pick bagworms from your evergreen and deciduous trees.

Check deciduous trees for fall webworm. Use a broom or rake to get them out of small trees.

Check on water needs of hanging baskets daily in the summer. Wind and sun dry them much more quickly than other containers.

Clean up fallen rose and peony leaves. They can harbor disease and insect pests over the winter if allowed to remain on the ground.

Mound soil over the lateral or brace roots of corn stalks for extra support against strong winds.

Pick summer squash and zucchini every day or two to keep the plants producing.

To reduce the number of pests on your fruit tree for the coming year, pick up and destroy all fallen fruit.

Bt (*Bacillus thuringiensis*) is used by many gardeners to protect cole crops from chewing caterpillars.

White flies are attracted to yellow, so use yellow sticky boards to reduce their populations.

Do not add weeds with mature seed heads to the compost pile. Many weed seeds can remain viable and germinate next year when the compost is used.

## Grow Your Own Pest Control: Creating Habitat for Beneficial Insects

Sarah Browning  
Extension Educator

Gardeners encounter many insects in their fruit or vegetable gardens and landscapes, only a few of which are harmful. Many insects actually help us, including three large groups — the pollinators, predators and parasitoids. It's important gardeners recognize these beneficial insects so they don't mistakenly kill off their garden helpers.

The action of beneficial insects happens at such a small level, hidden from view, their activity is often not visible to landowners or gardeners. One estimate by Cornell University and the Xerces Society of the pest control value of native insects in the United States, is \$4.49 billion annually for agricultural crops.<sup>1</sup> Homeowners can put the action of predatory insects to work on their property by understanding their needs.

Pollinating insects have been in the news a great deal lately; so increasingly, gardeners are familiar with many of the wild native bees and flies that function as pollinators in our gardens. But gardeners often know less about the other two groups of beneficial insects — the predators and parasitoids.

### Predator Insects

Predatory insects feed on other insects and can eat large numbers of them. Sometimes



The wheel bug is a predatory insect.

the predator is the adult life stage and sometimes it's the immature. And sometimes both adult and immature are predators. Common predatory insects are listed in the table above.

Many other predatory insects and spiders are active in our gardens include the following:

- Spiders — crab, jumping, wolf, orb-web, lynx, funnel spiders and daddylonglegs
- True Bugs — assassin, damsel and big-eyed bugs
- Wasps — paper, potter and hunting wasps; hornets and yellow jackets
- Other — mantids, earwigs, ants, predatory mites and centipedes

Large numbers of beneficial predatory insects can usually be found in areas or on plants with high populations of harmful insects like aphids. When the harmful insects are gone, the predatory insects will leave also.

Predatory Insect	Adult Food Source	Immature Food Source
<b>Ladybug/lady beetle</b>	Aphids, mealybugs, scales, spider mites, also pollen, nectar and honeydew	Aphids, beetles, insect eggs, mealybugs, scales, small caterpillars, spider mites
<b>Soldier beetles</b>	Pollen, flower nectar, aphids, mealybugs and other soft-bodied insects	Small caterpillars, grasshopper eggs, other beetles
<b>Ground beetles</b>	General feeders on a wide variety of insects and slugs	General feeders on a wide variety of insects and slugs
<b>Lacewings</b>	Nectar, pollen and honeydew. Some adults also feed on small insects.	Voracious predators feeding on a wide range of insects, including small caterpillars, beetles and aphids.
<b>Syrphid flies</b>	Pollen, nectar	Aphids
<b>Fireflies</b>	Scale crawlers, aphids and other small soft-bodied insects	Slugs, snails and worms
<b>Minute pirate bugs</b>	Aphids, spider mites, thrips and insect eggs	Aphids, spider mites, thrips and insect eggs

Before applying insecticide in the garden, be sure to identify the target insects first so beneficial garden helpers are preserved.

### Parasitoid Insects

Many wasps and some flies develop as parasites, including Ichneumonid and Braconid wasps and Tachinid flies. Adult females find a host insect and lay an egg on or in it, which serves as a food source for the developing larvae. Parasitoid insects are small, but highly effective at reducing damaging insect populations.



Braconid wasp (a parasitoid insect) eggs on a tomato hornworm.

### Creating Habitat

Gardeners can increase the number of beneficial insects in their landscape by creating habitat to provide additional food, cover and shelter for these insects, allowing them to increase their populations.

A good first step toward enhancing habitat for beneficial insects is to look for unused areas on the edges of your property that can be planted with nectar or pollen producing plants. Fence lines, hedgerows or windbreaks often have open areas not being used, which can be planted to create habitat. Planting a cover crop in the vegetable garden at the end of the season also increases plant diversity and habitat for beneficials. Pastures can be interplanted with wildflowers and orchards can be underplanted with beneficial ground covers.

The publication

“Encouraging Beneficial Insects in Your Garden” by Oregon State University Extension includes a good listing of habitat plants for beneficial insects,

<https://catalog.extension.oregonstate.edu/sites/catalog/files/project/pdf/pnw550.pdf>

The Xerces Society has developed a “Beneficial Insect Habitat Assessment Form” to help landowners evaluate their property's current ability to support beneficial insects and develop land management plans promoting additional habitat development, [www.xerces.org/wp-content/uploads/2015/07/HAG\\_BeneficialInsects\\_June2015\\_web.pdf](http://www.xerces.org/wp-content/uploads/2015/07/HAG_BeneficialInsects_June2015_web.pdf)

1. John E Losey and Mace Vaughan, “The Economic Value of Ecological Services Provided by Insects,” *BioScience* 56, No. 4 (Jan. 4, 2006), accessed June 28, 2016, <http://bioscience.oxfordjournals.org/content/56/4/311.full>



## HEART OF 4-H VOLUNTEER AWARD

### Lincoln Center Kiwanis



Lancaster County 4-H is proud to announce Lincoln Center Kiwanis as winner of August's "Heart of 4-H Award" in recognition of outstanding volunteer service.

Lincoln Center Kiwanis has supported the 4-H program for over 50 years! Their activities include:

- presenting "Outstanding 4-H Club Awards" to the top 4-H clubs participating in the Lancaster County Super Fair,
- annually awarding a \$1,000 scholarship to a high school senior active in Lancaster County 4-H,
- sponsoring the annual Kiwanis Karnival, a free family event, and
- supporting the Eastern Nebraska 4-H Center by helping build cabins and with landscaping — including donating, planting and caring for trees.

Many Kiwanis members have been 4-H club leaders and/or Eastern Nebraska 4-H Center board members. The Lincoln Center Kiwanis has also supported the Lancaster County Fair for numerous years, including helping serve the Family Barbecue.

Bill Caldwell, Kiwanis member says, "4-H is the best single investment in youth. My favorite experience volunteering is all activities where youth are excited."

Kiwanis President Keith Prettyman says, "I like being there for youth — there is no better way to make them understand they are important and valued."

Lancaster County 4-H thanks Lincoln Center Kiwanis for their partnership and individual members for their time and talents. People like them are indeed the heart of 4-H!

## AKSARBEN 4-H Show Entries Due Aug. 7

The AKSARBEN 4-H Stock Show will be held Sept. 22–25 at the CenturyLink Center in Omaha. Categories of this 4-H only competition are feeder calf, breeding beef, market beef, dairy, dairy steer, market broiler, meat goat, market lamb, market swine and rabbit. Stock Show exhibitors must be at least 10 years of age by Jan. 1. The AKSARBEN 4-H Horse Show will be held Sept. 17–18 at **Chance Ridge in Elkhorn, Neb. (note location change)**. Horse exhibitors must be 12 years of age by Jan. 1.

All AKSARBEN 4-H Stock Show and Horse Show entries are due to Extension staff no later than Sunday, Aug. 7 at the Super Fair. Forms will be available online, at the Extension office or for pick up in the 4-H and livestock offices at the fair. Registration fees must be included with the entries.

For more information, entry forms and tentative schedule, go to [www.aksarben.org/p/events/stockshowandrodeo](http://www.aksarben.org/p/events/stockshowandrodeo)

### Club Leaders: Youth Safety

Are you planning a club activity, tour or outing? If so, remember the 4-H focus is to keep youth as safe as possible. As a leader there are many things to think about before taking your club out and about for educational opportunities. Here are some questions to ask yourself regarding your decisions and the situations you may find yourself in as a club leader.

1. What are the physical risks involved in this activity/decision?
2. Are there any foreseeable risks? What dangers can be avoided?
3. Who is the activity for, the youth or me?
4. How will youth benefit from this activity and how is it related to the purpose of the activity?
5. Do I have a CPR and First Aid plan in effect in case of an emergency?
6. What would I do if the youth or their parents were watching?
7. What would I do if the Extension Educator or Assistant was watching?
8. Could my actions/decisions cost me my job?

## 4-H'ers Test Family and Consumer Science and Entrepreneurship Skills at Life Challenge

The 4-H Life Challenge contests focus on Family and Consumer Science and Entrepreneurial project areas.

**The county junior and senior Life Challenge contest** was held June 4. Ellie Babcock was awarded the Senior Champion rosette and Bridget Clarke was awarded the Senior Reserve Champion rosette. Lillian Johnson and Toby Jordan both received the Junior Champion rosette and Aleyna Cuttlers was awarded the Junior Reserve rosette.

**The state Life Challenge contest for seniors** was held at UNL East Campus on June 20 and 21. Various challenges allowed teams from across the state to participate. These prob-



lem-solving based challenges allow teams of youth to apply information they have learned in 4-H projects to real-life situations such as creating a new food product with a packaging prototype featuring a specific Nebraska food product, and creating an educational science game for children.

Three Lancaster County teams participated in the event. Abigail Babcock, Valerie Gabel

and Anna Sump received 3rd place in the Foods and Nutrition Challenge, received Most Innovative in the Child/Human Development Challenge, received Best Overall Product in the Design Challenge, received 1st place in the ESI Design Thinking Challenge and 3rd place in the ESI Business Model Challenge.

Ellie Babcock, Nora Clarke and Julia Stephenson received Best Overall in the Child/Human Development Challenge, placed 2nd in ESI Design Thinking Challenge and placed 4th in the ESI Business Model Challenge.

Bridget Clarke, Payton Filing and David Swotek received Most Interactive in the Child/Human Development Challenge.

## 4-H'ers Test Animal Science Skills at PASE

Congratulations to the Lancaster County 4-H'ers who competed in the Livestock Judging Contest during the state Premiere Animal Science Events (PASE) held at UNL East Campus on June 21.

The Livestock Judging contest consists of ranking classes of four animals from the most to least desirable. Classes include market and breeding beef, sheep, meat goats and swine. Youth also give oral reasons to the official judges to defend their reasons for ranking the animals. A big thank you to coach Roger Bell, who spent countless hours working with the Lancaster County teams. This has been the largest, most successful teams in five years. It was also the largest PASE livestock judging contest ever, with over 300 contestants!

**Senior teams** consisting of first team: Adam Oldemeyer,



Dylan Hafer, Jaclyn Henrich and Sydni Lienemann earned 5th overall team, 2nd overall in reasons, 7th overall in sheep and goats, 4th overall in swine and 8th overall in beef cattle. A second senior team consists of Rachael Lange, Sophia Lentfer and Skylar Lienemann and Colter Tietjen.

Individual senior results included:

- High overall: Adam Oldemeyer placed 5th overall.
- High overall reasons: Adam Oldemeyer placed 6th and Jaclyn Henrich placed 10th.
- High individual overall beef: Jaclyn Henrich placed 9th and Adam Oldemeyer placed 10th.
- High individual overall sheep: Adam Oldemeyer placed 4th and Sophia Lentfer placed 8th.
- High individual overall swine: Adam Oldemeyer placed 7th.

### Intermediate team

consisting of Tayden Bell, Teagan Bell, Allison Walbrecht, Jonathan Cook, and Brett Henrich earned 6th overall team in sheep/goats.

Individual intermediate results include:

- High individual sheep and goats: Tayden Bell placed 6th and Sophia Lentfer placed 8th.
- High individual overall swine overall: Brett Heinrich placed 9th.



## HORSE BITS

### District Horse Results

Several Lancaster County 4-H'ers competed in district competitions held in Leigh, McCook and Lincoln. All purple and blue ribbon winners qualified for the Fonner Park State 4H Horse Exposition. Congratulations to all who participated! Below are the Lancaster County purple ribbon winners. Complete results are online at <http://animalscience.unl.edu/horse-4-h-and-youth#tab56>

**SR. HUNTER UNDER SADDLE, 15 & UP**  
Cassie Meyer

**JR. HUNTER UNDER SADDLE, 15 & UP**  
Cadi Wilbeck, Ally Quinn

**SR. HUNT SEAT EQUITATION, 15 & UP**  
Madison Sobotka (Reserve Champion)

**JR. HUNT SEAT EQUITATION, 10-14**  
Cadi Wilbeck (Champion)

**SR. WESTERN PLEASURE HORSES, 15 & UP**  
Audrey Heusinger (Reserve Champion), McKenzie Beach, Aubrey Kelley, Bryanna Loudon

**JR. WESTERN PLEASURE HORSES, 10-14**  
Ella Gerlach (Reserve Champion)

**SR. WESTERN HORSEMANSHIP, 15 & UP**  
McKenzie Beach (Champion), Nicole McConnell, Sierra Nelson

**JR. WESTERN HORSEMANSHIP, 10-14**  
Ella Gerlach (Reserve Champion), Ally Quinn

**SR. REINING, 15 & UP**  
Jadin Vogler

**JR. REINING, 10-14**  
Clara Bradbury (Reserve Champion)

**SR. POLE BENDING, 15 & UP**  
McKenzie Beach (Champion), Aubrey Hayes (Reserve Champion), Megan Hansen

**JR. POLE BENDING, 10-14**  
Clara Bradbury (Champion), Ally Quinn, Julia Soukup

**SR. BARREL RACING, 15 & UP**  
McKenzie Beach (Champion), Megan Hansen (Reserve Champion - Leigh), Aubrey Hayes

**JR. BARREL RACING, 10-14**  
Clara Bradbury (Reserve Champion)  
Julia Soukup, Ella Gerlach, Lillie Beach


**Aug. 4–13, 2016**
**4-H & FFA Exhibits & Events Aug. 4–7**
**4-H Horse Show Aug. 1–7**
**Lancaster Event Center**


4-H & FFA Fair Books have complete information about entering 4-H/FFA exhibits and contests.



Fair Books are available at the Extension office and at <http://lanaster.unl.edu/4h/fair>

**4-H Will Livestream From the Fair!**


Lancaster County 4-H will livestream video of several events at the Super Fair via Google Hangouts which will be then archived on YouTube! Watch at [www.youtube.com/user/4HLancasterNE](http://www.youtube.com/user/4HLancasterNE). A tentative schedule will be posted at <http://lanaster.unl.edu/4h/fair>

**4-H & FFA Entry Pass Hangtags**

4-H/FFA exhibitors can get free 4-H/FFA entry pass hangtags for their immediate families at the Extension office (available through Aug. 3). These entry passes allow one vehicle and its occupants to enter the fairgrounds each day Thursday, Aug. 4–Monday, Aug. 8, 11 a.m. and park in designated areas. 4-H/FFA families are asked to enter Gate 3 (second Havelock driveway) — except when unloading/loading static exhibits, use 84th street entrance and temporarily unload/load by the Lincoln Room and park in Lot K if staying longer.

*These passes are for 4-H/FFA members and their immediate family only. Please do not abuse this privilege.*

**General Public Gate Admission**

FREE general public gate admission tickets will be available through Aug. 8 at ticket sponsors. Ticket sponsors are: Casey's General Store, Russ's Market, Super Saver and Runza. Gate admission without this free ticket will be \$2 per person per entry.

**General Public Parking**

\$5 per vehicle per day. Re-entry permitted on same day if you keep your parking pass. FREE parking is back on Monday, Aug. 8–Wednesday, Aug. 10 (new this year: fairgrounds opens to public at 5 p.m. on these days).

**Static Exhibit Check-In  
Aug. 2, 4–8 p.m.**

4-H & FFA static exhibits do not preregister, but **MUST** be physically checked in during Static Exhibit Check-in on Tuesday, Aug. 2 between 4–8 p.m. at the Lancaster Event Center, Lincoln Room. An adult — such as a club leader or parent(s) — should assist 4-H members in entering exhibits. All entry tags, additional information, recipe cards, data tags, etc. **MUST** be attached at this time. In the Lincoln Room, exhibits are grouped into the following areas designated by signage: Clover Kids; General Areas; Photography; Home Environment; Clothing; Food & Nutrition; Horticulture; and Science, Engineering & Technology. A registration table is set up for each of the above areas — please take project(s) to the appropriate area(s). **All static exhibits MUST be picked up during release time on Monday, Aug. 8 from 7–11 a.m.** Please pick up project(s) at each of the area(s) you have exhibits.

**Interview Judging, Aug. 3**

Interview judging is Wednesday, Aug. 3 starting at 9 a.m. in the Lincoln Room. 4-H'ers have the opportunity to talk to judges about their fair static exhibits and share their trials and lessons they learned. 4-H'ers also learn what the judge looks for and how to improve skills. 4-H'ers may interview judge ONE exhibit from each project area. Refer to page 19 of the Fair Book for project areas which have interview judging. Members, parents or leaders can **call the Extension office at 402-441-7180 to sign up members for a five-minute time slot — preregister between July 11 and 29.** If slots are still available, you may sign up during Static Exhibit Check-in on Tuesday, Aug. 2, 4–8 p.m.

**Clover Kids Show & Tell, Aug. 7**

All Clover Kids, youth ages 5–7 by January 1, 2016, are invited to show & tell their 4-H exhibits at the Lancaster County Super Fair, Sunday, Aug. 7, starting at 1 p.m. Clover Kids Show & Tell is held in the Lincoln Room. Youth are also invited to do a skit or song at this time. See page 14 of the Fair Book for more information. To sign up, call 402-441-7180 between July 11 and July 29, or at the static exhibit area Tuesday, Aug. 2, 4–8 p.m.

**Livestock Judging Contest, Aug. 7**

Now in its fourth year, a 4-H/FFA Livestock Judging Contest will be held Sunday, Aug. 7, 12 noon–2 p.m. in Pavilion 1. Preregister by Thursday, Aug. 4, 6 p.m. in the Livestock Office at the fair. Come join the fun judging livestock and bring your parents! There will be a short orientation before the contest, outlining how to fill out the judging cards and where to answer questions for those who have never judged before.

Youth may judge as individuals or teams. Teams will consist of four youth and one adult.

Seven classes shall consist of two beef, two sheep, two swine and one meat goat. Classes will be decided day of contest and could consist of market and/or breeding animals. Contestants will have 12 minutes to judge each class. No reasons will be given, however questions will be asked on three classes.

**Premium Payouts, Aug. 8**

**STATIC EXHIBITS and CONTESTS:** Premium payouts for all static exhibits and contests held before and during the fair must be picked up on Monday, Aug. 8, 7–11 a.m. in the Lincoln Room (except Livestock Judging, rabbit and poultry contests). With proper identification, parents, guardians, 4-H club leaders and FFA chapter advisors will also be permitted to pick up and sign for exhibitor premiums.

**HORSE EXHIBITORS:** Premium payouts will be made to 4-H members, their parents or their 4-H leaders on Monday, Aug. 8, 7–11 a.m. in the Lincoln Room. The entire 4-H club must have removed all bedding from each stall in order for premiums to be received. Stalls will be checked by an Ag Society member. Signatures from all representatives receiving payments will be required.

**Support 4-H by Supporting 4-H Food Booth**

The 4-H Corner Stop food booth at the Lancaster County Super Fair is Lancaster County 4-H Council's primary fundraiser.

The 4-H Corner Stop food booth will be open Aug. 4–7, 9 a.m.–9 p.m., located near the main entrance. Orders can be taken from the Lincoln Room or Multipurpose Arena. The 4-H Corner Stop features a variety of snacks, beverages and of course, the popular Walking Taco!


**Chicken Dinner Fundraiser, Aug. 5**

Lancaster County 4-H Council is presenting a Chicken Dinner on Friday, Aug. 5, 5:30–7:30 p.m. at the Exhibit Hall - Room B (during the 4-H Table Setting Contest). Dinner features Raising Cane's chicken fingers hot off their food truck! This is a fundraiser for 4-H Council to help support 4-H youth programs, activities and scholarships. Advance tickets can be purchased for \$7 at the Extension office before the Super Fair or at the 4-H Corner Stop during the fair. Tickets at the door are \$8.

**4-H Volunteers Needed**

Adults *and* youth are needed to help 4-H during the Super Fair.

- **In the 4-H Corner Stop food booth** (ages 8 and up) from Wednesday, Aug. 3 through Sunday, Aug. 7 (sign up online at <http://go.unl.edu/foodboothsignup>).
- **Static exhibit set-up** (ages 8 and up) on Thursday, July 28 at 6:30 p.m. (pizza will be served to volunteers) and Saturday, July 30 at 8 a.m. in the Lincoln Room.
- **During judging of static exhibits** (ages 12 and up) on Wednesday, Aug. 3.
- **Teen tour guides are needed for Fair Fun Day** (ages 14 and up) for child care groups on Friday, Aug. 5 at 9:30 a.m. and 1 p.m.

If you, someone from your club, or an interested volunteer would like to help, contact the Extension office at 402-441-7180.

**Food Booth Training, July 28**

All volunteers are strongly encouraged to attend the food booth training on Thursday, July 28, 6–7 p.m. at the Lancaster Event Center – Lincoln Room.


**Static Exhibits**

At the Super Fair, 4-H static exhibits will be selected for the Nebraska State Fair by the judges in the respective areas. A state fair sticker will be placed on all exhibits selected for state fair. 4-H members with qualifying static exhibits will receive information in the mail after Super Fair about entering at the State Fair.

**Join the Fun as a Volunteer!**

Nebraska 4-H is looking for volunteers to help with exhibit entry day, judging and serving as 4-H exhibit building hosts. Volunteers will be needed for assisting with all 4-H contests and events. State Fair 4-H volunteers will receive a fair pass for the day(s) they volunteer. Sign up by Aug. 10 at <http://4h.unl.edu/state-fair/volunteer>. If you have questions, call 402-472-1762.

**Animal Entries Due Aug. 10**

4-H & FFA animal exhibitors ages 10–18 are eligible to participate at the Nebraska State Fair regardless of county fair placing. The 2016 State Fair will be Aug. 26–Sept. 5 at Fonner Park in Grand Island.

**Again this year, 4-H/FFA youth and their families will be responsible for making their own livestock, rabbit and dog entries online for the Nebraska State Fair.** This means Lancaster County Extension staff will NOT be collecting State Fair entries or entry fees during Super Fair. Entries will be due Aug. 10.

Instructions and link to register are at [www.statefair.org/p/getinvolved/4h-ffa](http://www.statefair.org/p/getinvolved/4h-ffa). For more information, contact Cole Meador at 402-441-7180.

**The 2016 Nebraska State Fair will be Friday, Aug. 26–Monday, Sept. 5 at Fonner Park in Grand Island! For a schedule of 4-H activities at the state fair and more, go to <http://4h.unl.edu/state-fair>**

# EXTENSION CALENDAR

All events will be held at the Lancaster Extension Education Center, 444 Cherrycreek Road, Lincoln, unless otherwise noted.

## July

- 23 4-H Rabbit Tattooing Opportunity ..... 9–11 a.m.
- 26 4-H Fashion Show Judging ..... 8 a.m.
- 27 Emerald Ash Borer Seminar ..... 7–9 p.m.
- 28 4-H Static Exhibit Set-Up, Lancaster Event Center, Lincoln Room ..... 6:30 p.m.
- 28 4-H Food Booth Training, Lancaster Event Center, Lincoln Room ..... 6–7 p.m.
- 30 4-H Static Exhibit Set-Up, Lancaster Event Center, Lincoln Room ..... 8 a.m.

## August

- 2 4-H & FFA Static Exhibit Check-In for Lancaster County Super Fair, Lancaster Event Center - Lincoln Room ..... 4–8 p.m.
- 4–13 Lancaster County Super Fair (4-H/FFA Exhibits & Events Aug. 4–7; 4-H Horse Show Aug. 1–Aug. 7), Lancaster Event Center
- 5 Fair Fun Day for Child Care Groups at Lancaster County Super Fair, Lancaster Event Center ..... 9:30 a.m./1 p.m.
- 7 Lancaster County Deadline for AKSARBEN 4-H Show Entries
- 8 Super Fair Premium Payouts for 4-H Static Exhibits, Contests and Horse Exhibitors, Lancaster Event Center - Lincoln Room ..... 7–11 a.m.
- 10 Deadline for State Fair 4-H Animal Entries Online
- 11 Co-Parenting for Successful Kids Class ..... 9 a.m.–12:30 p.m.
- 12 Extension Board Meeting ..... 8 a.m.
- 13 Early Learning Guideline Training – Science ..... 9 a.m.–3 p.m.
- 17 “So, You’ve Inherited a Farm, Now What?” Seminar ..... 9–11:30 a.m.
- 18 Emerald Ash Borer Seminar, Nebraska Extension in Saunders County, 1071 CR G, Ithaca ..... 7–9 p.m.
- 24 Crop Management Diagnostic Clinic – Late Session, UNL Agricultural Research and Development Center near Mead ..... 8 a.m.–5 p.m.
- 25 Crop Management Diagnostic Clinic – Corn and Soybean Production School, UNL Agricultural Research and Development Center near Mead ..... 8 a.m.–5 p.m.
- Aug. 26–Sept. 5 Nebraska State Fair, Fanner Park, Grand Island
- 27 Nutrition and Physical Activity Self-Assessment for Childcare Training ..... 8:30 a.m.–3 p.m.
- 27 Emerald Ash Borer Seminar ..... 9–11 a.m.

## Emerald Ash Borer Seminars Offered in July and August

Early June brought the news Nebraska foresters and horticulturists have been anticipating for several years — confirmation of Emerald Ash Borer (EAB) within the state. On June 8, Nebraska Department of Agriculture confirmed an EAB infestation in Pulaski Park, in southeastern Omaha. A second confirmation from Cass County came the following week.



Emerald ash borer adult

Nebraska Extension in Lancaster County and the Nebraska Forest Service are presenting three seminars about Emerald Ash Borer (EAB) to provide homeowners with the information they need to make good decisions about the care of their ash trees.

- Wednesday, July 27, 7–9 p.m. at the Lancaster Extension Education Center, 444 Cherrycreek Road, Lincoln
- Thursday Aug. 18, 7–9 p.m. at Nebraska Extension in Saunders County, 1071 CR G, Ithaca
- Saturday Aug. 27, 9–11 a.m. at the Lancaster Extension Education Center, 444 Cherrycreek Road, Lincoln

Registration is required by calling 402-441-7180 at least three days prior to each seminar. Cost is \$15 per person/couple for one set of educational materials. Pay at the door, making checks payable to Nebraska Extension in Lancaster County.

Concern about this invasive insect and its impact on our community trees is high. Many homeowners have questions about their trees and potential treatment options available to them. All ash species — including the popular cultivars Autumn Purple, Marshall’s Seedless, Patmore, Skyline and Summit — will be at risk from this insect, along with all wild ash trees.

Learn how to identify ash trees. If you are unsure if a tree in your landscape is an ash, bring small branch samples or pictures for identification. Learn how to determine which of your trees are the best candidates for treatment. Many homeowners will decide to let some trees die, particularly low-vigor trees, those in poor locations or with existing problems. Finally, learn about the available treatment methods, their advantages and disadvantages and when they should be applied. Note: treatment is NOT recommended until EAB has been confirmed within 15 miles of your location.

Seminar presenters include Sarah Browning, Nebraska Extension Horticulture Educator; Jody Green, Nebraska Extension Entomology Educator and Laurie Stepanek, Nebraska Forest Service – Forest Health Specialist.

## Clover College

continued from page 1

**Alyssa Zimmer (16 years old)(participant and taught “Rabbits, Rabbits!”)**

— “I enjoy being able to turn the projects that I make into the County Fair. I like to give back and share my knowledge about rabbits with other youth just like others did for me when I was first learning.”

### What Instructors and Parents Say

**Tammy Sheldon (parent and taught a Clover Kids Day Camp session)**

— “I like to have my kids involved with Clover College because it gives them a chance to try something new and unique. It keeps their brains working during the summer. Linsey took both “Amazing Engineering” workshops and loved them! I really like that the teacher encouraged them to think like engineers and scientists. Emmy likes the opportunity to socialize. I enjoyed teaching the Clover Kids to think like scientists and engineers. We did some thin layer chromatography, and built rockets and marshmallow shooters. We talked about force and strategies to make our rockets and marshmallow go farther.”

**Caitlyn Schmidt (previous participant and taught “Tremendous Tubs” and “Canvas Creations”)**

— “As a teen, I attended some of the classes at Clover College. It’s the week I always looked forward to every summer! I learned so much about entering projects in the county fair, expanding some of my skill levels and trying out new skills I didn’t even know I

had yet. Now, I love coming back as a volunteer to teach some of the classes at Clover College. I get to show kids how to do something I love to do. Overall, my favorite part about Clover College is working with the 4-H’ers and watching them put a unique spin on their project in each of the classes.”

**Cindy Zimmer (parent and taught “Rabbits, Rabbits!” and “Fantastic Felting”)**

— “Clover College is fun! A large variety of classes are taught and you can learn new things. There is something for everyone! From science to baking, you can find a class you will be interested in. I enjoy sharing my talents with the youth. They are always very interested in learning and each year they amaze me with their creativity.”

**Becky Kramer (parent and volunteer)** — “One of my favorite things about Clover College is the feeling of community that the participants get through working with one another. And my children are able to learn things I could never teach them. We are quite grateful for all the work of the staff and volunteers!”

**Karol Swotek (parent and taught “Hammer! Nail! Build!”)**

— “Clover College is intended to be fun along with structured learning and exposure to possible career ideas. Some kids can and do set career goals at an early age which gives them a goal to strive for throughout their formative years. Teaching a class at Clover College is like ordering ice cream. You know it is going to be good and there is going to be lots of special toppings that make it a wonderful experience.”



University of Nebraska–Lincoln Engineering Department staff and students taught “Amazing Engineering 1,” in which youth designed and built several engineering projects. In one activity, youth were challenged to design a building out of note cards which could hold a stuffed pig. If the building wasn’t strong enough, youth went back to the design stage.



Clover College’s longest running workshop is “Rocketry” taught by Ron Suing, 4-H volunteer. Youth built their own rocket and launched it.



Youth learned basic sewing skills in “Magic Pillowcase,” taught by 4-H Volunteers Abby and Ellie Babcock.

Photos by Karen Wedding