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NEBLINE

NEBRASKA EXTENSION IN LANCASTER COUNTY

Emerald Ash Borer is Getting Closer

Sarah Browning
Extension Educator

It's getting closer! Sounds like a line from a horror movie, but the good news is that **as of April 1, 2016 Emerald Ash Borer (EAB) still hasn't been found anywhere in Nebraska.** Yet.

Here's a quick recap — EAB was first detected in Detroit, Michigan in 2002. It's a highly invasive insect that has killed millions of trees since its accidental introduction from Asia. EAB is now present in 25 states from Massachusetts south to Georgia, and west to Minnesota and Missouri. Closest to home, EAB was confirmed in Missouri 2008, Iowa 2010, Kansas 2012 and Colorado 2013. It is closest to Nebraska in the east and south near Red Oak, Iowa (30 miles) and in St. Joseph, Mo. (30 miles). On Nebraska's west side, the closest confirmation is Boulder, Colo. (95 miles).

It is inevitable that EAB will eventually make its way into Nebraska, probably within the next few years.

Host Plants

Why should you be concerned about Emerald Ash Borer? All species of ash trees are potential targets for this tiny monster, including white, green and black ash. Popular ash cultivars 'Autumn Purple,' 'Marshall's Seedless' and 'Patmore' are true members of the ash family and are susceptible to attack.

During the last 13 years of EAB activity in the United States, it has also been found on white fringe tree, *Chionanthus virginicus*, can be attacked by the insect even though it is not a member of the ash family.

Mountain ash and wafer ash are not affected by EAB. Despite their common names, they are not true members of the ash family.

Don't Plant Ash Trees

So what does this all mean for homeowners? First, foresters no longer recommend planting ash trees. In years to come, after this insect reaches Nebraska, gradually more and

more trees not protected will die. Unfortunately, Nebraska will lose many or all of the ash trees currently growing wild along country roads, creeks or streams. This is particularly sad, considering green ash is one of Nebraska's native trees. So don't plant ash trees.

Don't Move Firewood

EAB larvae live inside the wood of infected trees for about a year — from as early as mid-May after hatching from eggs, until they emerge as adults the following summer. So it's very likely wood from infected branches or trees contains the immature insects. Adult beetles are also frequent hitchhikers on ash wood.

Insects can be moved long distances via firewood, from states with confirmed infestations to new locations. Nebraska Department of Agriculture currently prohibits the movement of hardwood firewood into the state from any state or region currently under quarantine for EAB. To help in this effort, Nebraska Game and Parks will be conducting firewood exchanges at select parks during the summer of 2016, enabling them to collect and destroy any suspect firewood and the insects it may contain.

Always buy firewood locally when camping and use it there. Don't take it home with you or bring firewood to the campsite from home. Several popular Nebraska recreation areas will have local firewood available for sale at the park office or concession stand this summer.

see *ASH BORER* on page 4



Infested firewood



Emerald ash borer — fully developed adult before emergence (shown approximate size)



After the adults emerge, they leave D-shaped exit holes in the bark (shown enlarged)

Emerald Ash Borer Identification

Adult beetles are small, only about 1/2-inch long and slender, metallic green in color. They emerge from infested trees in early summer, June and July. Adult females lay eggs in the bark of branches or the main trunk.

Larvae are borers and tunnel just under the bark after hatching. They are flat, cream-colored and legless. They have a brown head, and their bodies are divided into 10 bell-shaped

segments. At maturity, they reach 1-1/2 inches in length. After pupating into adults, the beetles chew their way out of the tree, leaving behind a D-shaped hole.

It's amazing when you start to look for them, how many green insects can be found in Nebraska. Check out "Emerald Ash Borer Look-Alikes" at <http://go.unl.edu/eablookalikes> to see insects commonly mistaken for EAB.

Ash Tree Identification



Ash trees have compound leaves with 5–11 leaflets.



Branches, buds and leaves of ash grow directly across from each other (opposite).



Young ash trees have smooth bark that thickens into a diamond-shaped pattern as the trees age. Color is usually gray.



Ash seeds (called samara) are paddle-shaped — but not all ash trees produce seeds.

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NEBLINE

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Leftover Makeovers and Refrigerator Reboots!

Alice Henneman, MS, RDN
Extension Educator

Got some leftovers languishing in your refrigerator? Or perhaps little bits of foods that are almost past prime time to eat. Read on if their next stop is likely to be the trash can.

Give new life to still edible foods with our gallery of delicious ideas. As a general rule, use leftovers within 3-4 days.

Meat, Vegetables, Pasta



Search your fridge for foods that can be combined into a soup. Add extra cooked pasta or rice at the end, so it heats through but doesn't become mushy from overcooking. Keep some chicken stock or canned, diced tomatoes on-hand for a quick soup base.

Bread



Transform slightly dried-out bread into croutons: Preheat oven to 350°F. Lightly brush top side of bread with olive oil.

The U.S. Department of Agriculture (USDA) estimates about 90 billion pounds of edible food goes uneaten each year in homes and away-from-home eating places. This is equal to 123 times the weight of the Empire State Building and costs consumers about **\$370 per person** each year.

Here's the breakdown from USDA on how much food is wasted from each food grouping per person yearly:

- Grains: \$22
- Fruits: \$45
- Protein Foods (meat, poultry, fish, eggs and nuts): \$140
- Vegetables: \$66
- Dairy: \$60
- Added Fat & Sugar: \$37

If desired, sprinkle with Italian seasoning. Cut into 1/2- to 3/4-inch cubes, leaving the crusts on. Spread in a single layer on an ungreased baking sheet. Bake on middle shelf of the oven for 5-10 minutes or until lightly browned and crisp. No need to turn croutons during baking.

Cheese



Use up those odds and ends of harder cheeses by shredding them with a grater or in a food processor. Check your

refrigerator for other ingredients to include such as olives, pickles, pimientos, walnuts, red or green peppers, etc.; add low-fat mayonnaise to bind ingredients and use as a sandwich spread.

Fruit, Yogurt

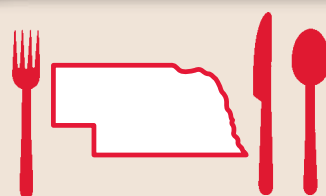


Chop and combine those last pieces of fruit. Flavored or plain yogurt — perhaps sweetened with a little honey and a splash of vanilla — makes a tasty dressing. Other possible add-ins include the remainder of that package of nuts and those final bits of dried fruit.

Eggs



A general guideline is to use eggs within 3-5 weeks after purchasing them for best quality. Gain extra storage time by boiling the eggs. Hard-cooked eggs, will keep in their shell for 7 days in a clean covered container in the fridge. They make a quick high quality protein source for a meal such as in main dish salads and sandwiches.



HEALTHY EATING

ENJOY NEBRASKA FOODS!

Alice Henneman, MS, RDN, Extension Educator

CLEAN OUT THE FRIDGE AND CUPBOARDS CASSEROLE

(Makes 6 servings)

Make your own casserole from what's on-hand using these basic ingredients. Select food(s) from each category or use your own favorites.

Starch — select ONE:

- 2 cups uncooked pasta (macaroni, penne, spiral, bow tie), **COOKED**
- 1 cup uncooked long-grain white or brown rice, **COOKED**
- 4 cups uncooked noodles, **COOKED**

Protein — select ONE:

- 2 cups cooked ground beef
- 2 cups cooked and diced chicken, turkey, ham, beef or pork
- 2 cups chopped hard-cooked egg
- 2 cans (6-8 ounce) fish or seafood, flaked
- 2 cups cooked or canned dry beans (kidney, etc.)

Vegetable — select ONE:

- 1 package (10 ounce) thawed and drained frozen spinach, broccoli, green beans, green peas
- 1 can (16 ounce) green beans, peas, carrots, corn, drained
- 2 cups sliced fresh zucchini

Sauce — select ONE:

- 2 cups white sauce or 1 can sauce-type soup (mushroom, celery, cheese, tomato, etc.) mixed with milk to make 2 cups
- 1 can (16 ounce) diced tomatoes with juice

Flavor — select ONE or MORE:

- 1/2 cup chopped celery, 1/4 cup chopped onion, 1/4 cup sliced black olives
- 1-2 teaspoons mixed dried leaf herbs (basil, thyme, marjoram, tarragon)
- Salt and pepper to taste

Topping — select ONE or MORE (if desired after heating, place on top):

- 2 tablespoons grated Parmesan cheese
- 1/4 cup shredded Swiss, Cheddar or Monterey Jack cheese
- 1/4 cup buttered bread crumbs
- 1/4-1/2 cup canned fried onion rings

Combine in a buttered 2 to 2-1/2 quart casserole dish. Cover and bake at 350°F for about 50 minutes to 1 hour or microwave using 50% power for about 15-30 minutes, rotating or stirring as necessary. Heat until steaming hot (165°F) throughout. Return casserole with topping(s), uncovered, to oven for about 10 minutes or to microwave for about 2 minutes.

Guidance for Disciplining Children

Jaci Foged

Extension Educator

Do you ever wonder why children do what they do and how you can help them learn from their behaviors? Why did Timmy bite Sasha and why did Lori knock down Cory's block tower? Would you like to know how you can help children through these kinds of situations? First, it is important to understand the difference between punishment and discipline. By definition, punishment refers to a penalty inflicted for an offense to serve as retribution. Discipline however, is defined as training that develops a skill. WOW, did you know you have that type of power? Discipline is about teaching, not about punishment.

No one ever says parenting is easy. This is hard work, and together — using research-based information — we can help the next generation grow up into successful, compassionate adults by learning how to teach children positive social skills.

One approach in helping children develop positive social and emotional skills in children ages birth–5, is the Pyramid Model Approach, developed by the Center for Social Emotional Foundations for Early Learning (CSEFEL). The “Pyramid Model” is an evidence-based model for supporting social competence and preventing challenging behavior in young children.

There are several ways you can support your child with their social emotional development. Parents should determine the meaning of the behavior, make expectations clear and develop a few simple household rules. These three steps will

help you see how you can best support your child with learning the skills they need to succeed socially and emotionally in the future.

- **Determine the meaning of the behavior** — Parents should take time to chart behaviors. For an example, let's focus on hitting. What time of the day does your child start hitting? Is it the same, or about the same time every day? What was happening right before they hit? Is it typically the same child or adult they seek out? Once you have this information you can begin to focus on catching your child being good and reinforcing positive behavior. Building positive relationships is vital in supporting social and emotional development!
- **Make your expectations clear** — You appreciate knowing what the consequence is when you make a mistake, right? The same should go for your child. Being positive goes a long way. Think about telling your child **what to do, not what not to do**. For example: Saying “Don't throw your shirt on the floor” is stated in a negative way. Instead try, “Put your shirt in the hamper.” If you ask them to put their shirt in the hamper before it gets thrown on the floor you can then follow it up with praise when they do what you asked. “Thank you for putting your shirt in the hamper, that really helps me a lot!” If we can

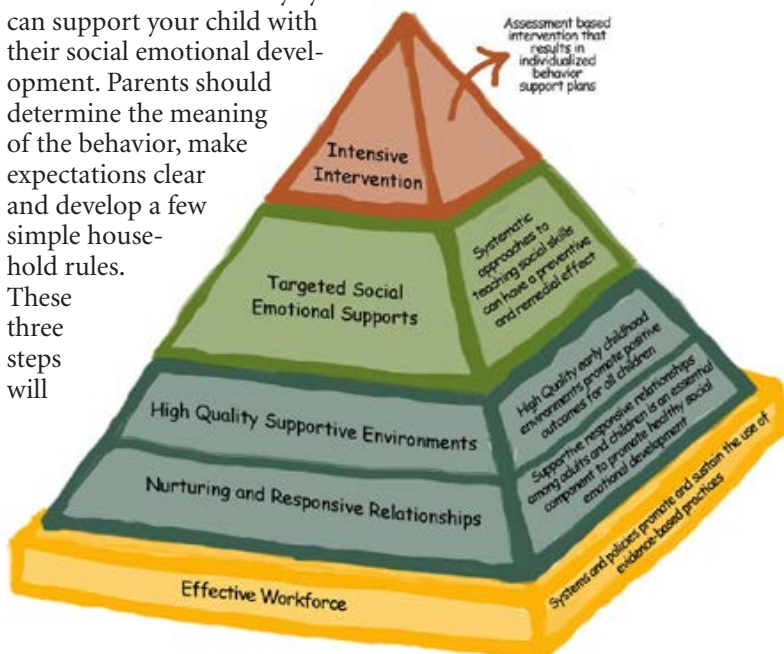
focus on the positive, and catch children being good, we can make a difference — a positive difference.

- **Develop Household rules** — You should have only 3–5 rules. Rules should be kept positive and short, stating the behavior you want to see. When possible, it is good to write rules that can be applied to several situations. For example:
 - 1) Clean up after yourself.
 - 2) Use words to solve problems.
 - 3) Use an inside voice.
 Notice “Clean up after yourself” is a bit vague. This is a good rule because it fits many situations: clean up after meals, clean up after you play at a friend's, clean up at school. For children to really begin to understand these rules you will need to practice them, especially in the beginning and then occasionally (when children are actively remembering and following home rules) so they remember them. With rules, should also come consequences. If a child spills their milk, rather than send them to their room, or yell, instruct them to clean up their mess and help them if needed. If a child spits at you remind them they should use words to solve problems. Teach them where it is acceptable to spit — like the bathroom sink. Help them practice this skill by calmly walking them to the bathroom and practicing where to spit.

Often, we adults miss the “why” of what we saw happen. It is important to notice children are doing the best they can in each situation and to remember they still need adult guidance when it comes to problem solving. Adults need to remember someday our children are going to be out in the big world and we will not be there to protect them. Problem solve with your children. Help them see there are consequences to their actions and behaviors. Connect with your child, teach your child, love your child.

FOR MORE INFORMATION

Nebraska Extension has resources about The Pyramid Model approach at <http://child.unl.edu/teachingpyramidresources>



One approach in helping children develop positive social and emotional skills in children ages birth–5 is the Pyramid Model Approach developed by the Center for Social Emotional Foundations for Early Learning (CSEFEL).

Rural Transit Offers Affordable Transportation

Residents of Lincoln and Lancaster County in need of transportation to and from rural communities and surrounding rural areas may call Lancaster County Public Rural Transit (LCPRT), a transportation service supported by Aging Partners.

LCPRT is a scheduled, door-to-door route system provided to the general public, including seniors and those with disabilities. Lincoln residents may use the service to travel to and from county destinations, and county residents may use the service to travel around the county and to and from Lincoln. One leg of the trip, either the pick-up point or destination, must include a stop outside the Lincoln City limits. Other restrictions may apply.

Vehicles operate weekdays 7:30 a.m.–5:30 p.m., and the cost is \$2 one way and \$4 round trip. The public can use the service for any appointment or trip. For trips during regular hours, a minimum of one business day advance notice is required, but does not guarantee a ride. Trips



A Lancaster County Public Rural Transit vehicle

may be scheduled up to one month in advance. Weekend or after-hours group trips may be arranged and must be reserved 72 hours in advance. Increased rates will apply.

Funding for LCPRT is provided by the Nebraska Department of Roads to Aging Partners through federal grant funds, with the required local match provided through the Lancaster County Board of Commissioners and rider fares.

For more information or to make a reservation, the public may call the LCPRT office at 402-441-7031 from 8 a.m.–4:30 p.m. More information about Aging Partners is available at <http://aging.lincoln.ne.gov>

2016 Household Hazardous Waste Collection Events

These collections are for households only. Only residents of Lincoln and Lancaster County can bring items to collections.

SOME ITEMS YOU CAN BRING FOR DISPOSAL: Thermometers, thermostats containing mercury, bleach cleaners, glues, oil-based paint, paint thinner, furniture stripper, oil-based stains, old gasoline, transmission fluid, pesticides, small propane cylinders. You can dispose of compact fluorescent light bulbs at these waste collections.

DO NOT BRING latex paint, fertilizers, medicines/pharmaceuticals, electronics & computers, large propane cylinders, tires, used oil, batteries, antifreeze or ammunition.

For more information or if you have questions how to recycle or dispose of items not accepted, call the Lincoln-Lancaster County Health Department at 402-441-8021 or go to www.lincoln.ne.gov (keyword: household).

Saturday, May 7

Zoetis: 601 W. Cornhusker Hwy.

Friday, June 3

Lincoln Southwest High School: 14th & Pine Lake

Friday, June 24

Union College: S. 52nd & Cooper Ave.

Saturday, Aug. 26

Shepherd of the Hills Church: 6901 Panama Rd, Hickman

Saturday, Aug. 27

Lincoln Industries: 600 W. E St.

Saturday, Sept. 24

Continental: 4021 N. 56th St.

Saturday, Oct. 22

Woods Park: S. 31st & J St.

Friday, Nov. 18

Appointment Only: Call 402-441-8021 to schedule

Latex Paint Exchanges

Latex paint is not accepted at Household Hazardous Waste Collections. USABLE latex paint can be taken to one of the latex paint exchanges. Residents can dry out latex paint and discard in regular household trash.

Saturdays, May 7 & Aug. 27

Habitat for Humanity ReStore: 47th & Y St., 402-464-0010

Sept. 24

EcoStores Nebraska: 530 W. P St., 402-477-3606
(EcoStores disposes of UNusable paint for \$5/can)

Upcoming Child Development Classes

Nebraska Extension teaches several early childhood development classes for parents and child care providers. Upcoming classes in Lancaster County include:

- **“Safe With You” for child care providers** meets the requirements of the Nebraska State Statute 43-2606. This is a two-part series which includes information on Sudden Infant Death Syndrome (SIDS) and shaken baby prevention, and child abuse and neglect. Part 1 will be Tuesday, May 10, 6:15–8:15 p.m. and part 2 will be Thursday, May 19, 6:15–8:15 p.m. at Peace Lutheran Church in Waverly. Cost is \$20.
- **“Supervision of Children” for child care providers** teaches how to identify inadequate, adequate and high quality supervision, and make a plan for improving programs. Wednesday, June 1, 6:30–8 p.m. at Bryan East Campus – Plaza Conference Center in Lincoln. Cost is \$10.
- **“Babysitting” through the American Red Cross for 5th–7th graders** will teach child development, how to identify common hazards in the home, and become trained in CPR and first aid. Participants will also create a resume and business card for their babysitting business. July, date TBA at the Lancaster Extension Education Center. Cost \$25.

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

Cash Rent Survey

Tyler Williams
Extension Educator

Owning agricultural land can often be a blessing; however, it can be a burden, especially during tough financial times. Many landowners are not involved in the agricultural processes that happen on the field, so it becomes challenging when trying to know how much the ground is worth and how much to charge for cash rent. The University of Nebraska – Lincoln Agricultural Economics Department conducts a yearly survey to help landowners know and understand the value and average rental rates of the land in their area.

About the Survey

On March 9, the “2016 Trends in Nebraska Farmland Markets: Farming and Ranching on the Margin” report was released from Cornhusker Economics at <http://agecon.unl.edu/cornhuskereconomics> and this article contains “preliminary” data from the UNL Nebraska Farm Real Estate Market Survey 2016. This survey was sent to professional farm and ranch managers, certified general appraisers and agricultural bankers earlier this winter asking about prices and values for the upcoming 2016 growing season. This report is considered “preliminary” because it is publicized once enough surveys are returned in order to have statistical significance. This allows users to see most of the data as early as possible to assist with rental rate negotiations,

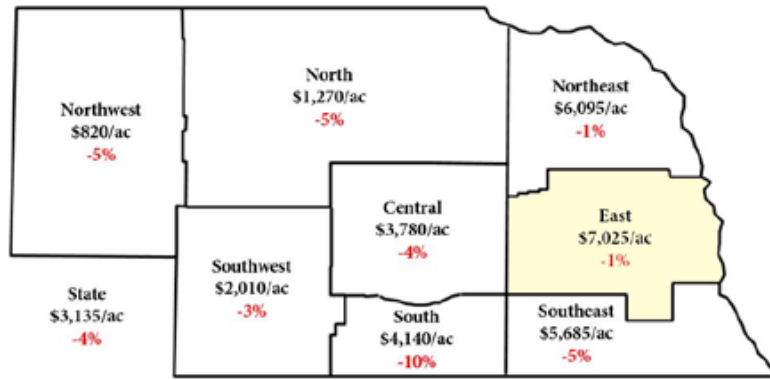


Table 1. Preliminary Average Reported Value of Nebraska Farmland for Different Land Types and Sub-State Regions, Feb. 1, 2016^a

TYPE OF LAND	AGRICULTURAL STATISTICS DISTRICT STATE ^c		
	EAST	SOUTHEAST	STATE ^c
Dryland Cropland (No Irrigation Potential)	\$6,425/acre 7% change	\$4,845/acre -4% change	\$3,510/acre 4% change
Dryland Cropland (Irrigation Potential)	\$7,165/acre -2% change	\$6,450/acre -7% change	\$4,780/acre -5% change
Grazing Land (Tillable)	\$4,510/acre 7% change	\$3,200/acre 5% change	\$1,550/acre 2% change
Grazing Land (Nontillable)	\$2,805/acre -7% change	\$2,305/acre 1% change	\$980/acre -2% change
Hayland	\$3,180/acre -22% change	\$2,780/acre -10% change	\$1,945/acre -17% change
Gravity Irrigated Cropland	\$8,155/acre -3% change	\$7,375/acre -8% change	\$6,505/acre -6% change
Center Pivot Irrigated Cropland ^b	\$9,480/acre -1% change	\$9,185/acre -3% change	\$6,990/acre -4% change
All Land Average ^c	\$7,025/acre -1% change	\$5,685/acre -5% change	\$3,135/acre -4% change

^a Source: UNL Nebraska Farm Real Estate Market Surveys, 2015 and 2016.

^b Value of pivot not included in per acre value.

^c Weighted averages.

with the understanding the numbers may be a little different in the final report to be released in June. This March report is simply a “sneak-peek” to the final report and should be used as such.

Report Findings

The report provides data based on the eight Agricultural Statistics Districts in Nebraska (Table 1). Lancaster County is located in the East District; however, much of the agricultural land will have similarities to the Southeast District. There are two data sets provided: Average Value of Farmland and

Reported Cash Rental Rates. The Farmland Values in Table 1 is split into Dryland Cropland (with or without irrigation potential), Grazing Land (tillable or non-tillable), Hayland, and Irrigated Cropland (with gravity or center pivot). The table also shows the percent (%) change from 2015 and it is not surprising that many locations saw a decrease in land values. Overall, the All Land Average in the East and Southeast Districts decreased by one percent and five percent, respectively; however, some individual land-type categories did increase. The most popular data

Table 2. Preliminary Reported Cash Rental Rates for Various Types of Nebraska Farmland and Pasture: 2016 Averages, Percent Change from 2015 and Quality Ranges^a

TYPE OF LAND	AGRICULTURAL STATISTICS DISTRICT	EAST		SOUTHEAST	
		Average	High Third Quality	Average	High Third Quality
Dryland Cropland	Average	\$200/acre -2% change	\$245/acre	\$165/acre -3% change	\$225/acre
	High Third Quality				
	Low Third Quality		\$160/acre		\$125/acre
Gravity Irrigated Cropland	Average	\$285/acre -5% change	\$340/acre	\$250/acre -2% change	\$305/acre
	High Third Quality				
	Low Third Quality		\$245/acre		\$215/acre
Center Pivot Irrigated Cropland ^b	Average	\$320/acre -3% change	\$375/acre	\$295/acre -2% change	\$355/acre
	High Third Quality				
	Low Third Quality		\$270/acre		\$250/acre
Pasture	Average	\$60/acre -7% change	\$76/acre	\$54/acre -2% change	\$77/acre
	High Third Quality				
	Low Third Quality		\$44/acre		\$38/acre
Cow-Calf Pair Rates ^c	Average	\$56/pair -13% change	\$70.85/pair	\$52/pair -12% change	\$66/pair
	High Third Quality				
	Low Third Quality		\$45.85/pair		\$38.35/pair

^a Source: Reporters’ estimated cash rental rates (both averages and ranges) from the UNL Nebraska Farm Real Estate Market Survey, 2016.

^b Cash rents on center pivot land, assumes landowners own total irrigation system.

^c A cow-calf pair is typically considered to be 1.25 to 1.30 animal units (animal unit being 1,000 lb. animal) for a five-month grazing season. However, this can vary depending on weight of cow and age of calf.

from the survey is the Reported Cash Rental Rates found in Table 2. This table provides cash rent data on dryland cropland, gravity and center pivot irrigated cropland, pasture and cow-calf pair rates. The overall cash rental rates have decreased as well, when compared to 2015 for all districts in all categories. The East and Southeast districts had minimal decreases in cropland and pasture rental rates as compared to other areas of the state. Cow-calf pair rates decreased substantially, which is not surprising after record high prices in 2015.

When using this data, it is

very important to remember the report produces values for a region and doesn’t take into account the local “supply vs. demand” that may alter these values for your land. The report also provides a range based on the quality of the ground, which can be highly subjective. Communication with your tenant or landlord is critical for understanding the needs of both parties as this report does not include the multitude of factors that are unique to your farm. These numbers should simply serve as a starting point for the communication on rental rates.

Emerald Ash Borer

continued from page 1

Scout for EAB

If you have ash trees in your landscape, keep them healthy through good watering and mulching, and inspect them on a regular basis for:

- branch dieback in the tree top,
- suckers developing on the tree’s trunk,
- woodpecker damage, and
- D-shaped holes.

EAB attacks healthy trees, unlike Nebraska’s native ash boring insects which usually only attack damaged or stressed trees.

Watch for branch dieback in your trees.

Adult EAB beetles begin emerging about mid-May, with peak emergence occurring in early July. They lay eggs in the upper twigs, secondary branches and main trunk of host trees. One of the first symptoms seen in affected trees is branch dieback in the top one-third of a tree. Although



Crown symptoms in ash following infestation

adult beetles lay eggs on bark throughout the tree, larvae hatching out and tunneling into small upper twigs seem to be able to survive better during the early years of attack. As the tree’s vigor declines due to increasing insect damage, larger branches are affected and increasing dieback is seen in the tree’s canopy.

As the infestation progresses, trees often respond by sending up suckers, or adventitious branches, from the base. This is

not commonly seen in healthy trees.

Inspect trees for the presence of D-shaped holes. The exit holes are small, only about 1/8 inch across. As insect tunneling occurs under the bark, sections of bark die and often crack. These cracks will occur vertically, or up and down the trunk, over a dead bark section.

Woodpeckers are often attracted to infested trees, and peck into the bark in search of

borer larvae. So woodpecker damage in an ash tree could also point to a developing EAB infestation.

Treatments

The outlook for trees of importance, or those with significant value to your home, is not completely bleak. There are treatments available with a good track record of EAB protection. Trunk injection and soil drench applications are the methods of application. While homeowners can be successful in treating small trees with soil drench products, large trees may be better protected by injections done by a certified, commercial arborist.

Trees under attack by EAB do not die immediately. Healthy trees use their resources to kill as many of the invading immature borers as possible. Typically symptoms of branch dieback don’t become obvious until the tree has been infested for three or more years, so there is time to treat infested trees once symptoms are noticed. If

a tree’s canopy is showing 30 percent or less branch dieback, there is a good chance it can recover once treatment begins.

It is not recommended to make chemical applications for tree protection unless the insect has been confirmed within 15 miles of your home.

FOR MORE INFORMATION

University of Nebraska–Lincoln’s Nebraska Forest Service has many resources on Emerald Ash Borer at <http://nfs.unl.edu/nebraska-eab>, including:

- “Guidelines for Nebraska Homeowners”
- “Misconceptions of EAB Treatments”
- “Frequently Asked Questions”
- “EAB Look-Alikes”
- “Treatment Options” at <http://go.unl.edu/eabtmt>

Information is also available at www.emeraldashborer.info

If you suspect your ash tree has EAB, contact the Nebraska Department of Agriculture at 402-471-2394.

2016 Perennial Plant of the Year

Anemone x hybrida 'Honorine Jobert'

Common Names —

Japanese anemone, windflower

Hardiness — USDA zones

4–8

Light — Sun or partial shade is preferable.

Soil — 'Honorine Jobert' grows best in well-drained soil, humus-rich soil. Will not tolerate poor drainage or too-dry soil.

Unique Qualities — The dark green trifoliate foliage is uniquely attractive from spring to fall. The textural foliage is a beautiful backdrop for the pure white color of the late summer-to-autumn flowers.

Uses — The pure white color lends light accents to the fall planting where golds, reds, and oranges dominate. It is a beautiful, brightening element.



Japanese anemone plants are clump-forming and erect. The long wiry stems make the plant look airy and graceful. 'Honorine Jobert' attains heights of up to 4 feet.

Flowers are intense bright white with a green center surrounded by a corolla of yellow stamens. In late summer, 'Honorine Jobert' explode from dainty pink, silvery buds into 2 to 3 inch flowers. The striking flowers are enhanced by the uniquely attractive trifoliate dark green textural foliage that stays attractive from spring to fall.

The anemone is a very low maintenance plant. It can be grown in sun or in partial shade. The plant thrives in humus-rich soil that is well-drained but moisture retentive. It does not tolerate wet, poorly-draining soils in winter. In colder climates, mulch new plants. Soils should not be allowed to become dry. The foliage will burn in hot, dry locations. Eventually the spreading rhizomes will be happy to colonize your garden.

'Honorine Jobert' grows in USDA zones 4–8. It seems to flourish without insect or disease problems and deer do not seem

to browse this plant.

'Honorine Jobert' goes well with many other annuals and perennials. Since 'Honorine Jobert' flowers into autumn the bright white plant stands out in the landscape and provides accents to the deeper gold, orange, and red colors of the fall garden. They can be charming companion plants with hostas and ferns and countless annuals. Classic plants stand the test of time. This plant more than fills that requirement.

Source: Perennial Plant Association



GARDEN GUIDE

THINGS TO DO THIS MONTH

Mary Jane Frogge, Extension Associate

Mulch around newly planted trees and shrubs. This practice reduces weeds, controls fluctuations in soil temperature, retains moisture, prevents damage from lawn mowers and looks attractive.

When you visit botanical gardens and arboretums, take your camera and notepad with you. Plan now for changes you will make in your landscape.

Cabbage loopers and imported cabbage worms are green worms. They eat large holes in the leaves of plants in the cabbage family. For control, caterpillars can be picked off by hand or sprayed with *Bacillus thuringiensis* (Bt), a natural, non-toxic preparation available by various trade names.

Plan a landscaping project on paper first. Do not over plant. Be sure you know the mature size of each plant and allow for growth.

Have successive plantings of beans and sweet corn to extend the harvest season.

Harvest rhubarb by cutting or by grasping the stalk and pulling up and gently to one side.

Grass clippings can be used as a mulch in flower beds and vegetable gardens if allowed to dry well before use. Never use clippings from a lawn that has been treated with a herbicide.

Grow your own dried flowers. Raise static, globe amaranth, straw flowers and other everlastings to provide flowers for this year's arrangements.

Plant gladioli bulbs in mid May.

Set out marigold, petunia, ageratum and fibrous begonia transplants. All are good border plants.

To grow annuals in containers on the patio, use a light weight soil mixture. Keep the plants well watered, because the soil dries out fast. Apply a water soluble fertilizer according to package directions every two weeks.

Watering roses with soaker hoses or drip irrigation will reduce the spread of black spot disease.

April Showers Bring ... Interesting Bird Behaviors

Soni Cochran

Extension Associate

It is a busy time as wildlife are becoming more active and preparing to have their young. By learning about wildlife in your area, you'll discover how to encourage the wildlife you enjoy and how to prevent damage from wildlife you want to discourage.

Here are some of the interesting bird situations we hear about in spring.

Birds Banging Against Windows

In spring, male birds are establishing their territories for nesting sites. They drive any male birds away that may be trying to invade their territory. When a cardinal or robin is banging against your window, it sees its reflection and is trying to drive the "other bird" it sees away. It isn't trying to come inside.

Your best solution is to reduce the reflection on your window so the bird can't see himself. You can use sheer cloth, crinkled plastic wrap on the inside of the window. To see if you have cut down the reflection enough, go outside and if you can clearly see yourself in the window, try again. Sometimes you have to put something up on the outside of the window to reduce reflection. As the sun

moves throughout the day, the male may see his reflection in other windows. If he attacks other windows, continue to reduce the reflection on your windows.

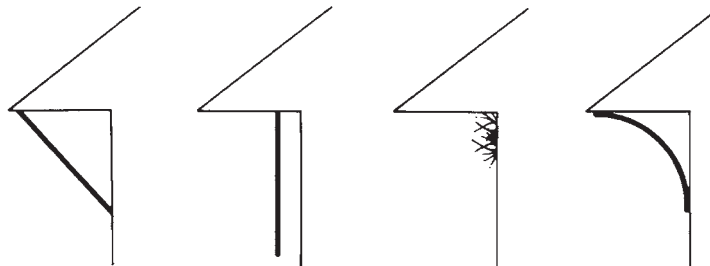
Birds Nesting Above Doors and Lights



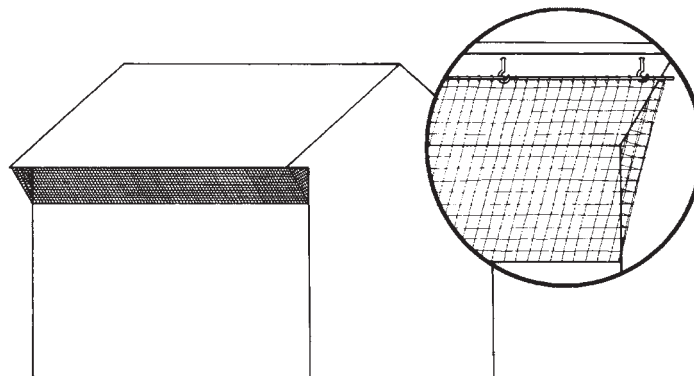
A robin's nest on an outdoor light bulb

Robins and barn swallows will readily build nests above doors and light fixtures. Barn swallows can also attach their nests directly to buildings. Robins are already here and swallows will be arriving soon, so if you see any nest building activity in a location that may be a problem, take it down immediately. It is important to start right away because it is illegal to remove nests with eggs or young. You can wash nests being built down with a hose. The birds will continue trying to build a nest for a while but will eventually give up if you are persistent.

Frightening birds or trying to use repellents are not effective. Some repellents



Four methods may deter swallow nesting. Left to right: Bird netting attached from the outer edge of the eave down to the side of the building; a curtain of netting; metal projections along the junction of the wall and eave; fiberglass panel mounted to form a smooth, concave surface.



Bird netting mounted on the building from the outside edge of the eave down the side of the building. Insert shows a method of attachment using hooks and dowels.

actually help the birds stick the mud to the building.

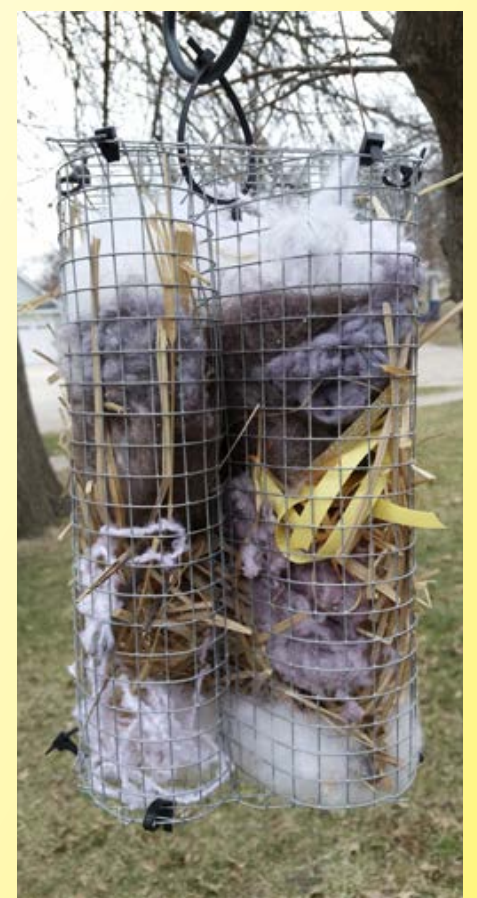
You can exclude swallows. This is practical if you have swallows returning to nest sites each year (see graphics).

- Remove rough wall surfaces and/or overhang. Wood, stucco, masonry and concrete surfaces are preferred by swallows because it is easy to attach mud. Nests are rarely attached to metal. Cover rough areas with slick

surfaces like glass, Plexiglas or sheet metal.

- Install bird netting over the area where the birds are attaching mud or hang strands of monofilament fishing line from the eaves close enough together and far enough down so the wings of the swallows bump into it.
- Install metal projects along the junction of the wall and eave.
- Install a concave surface under the eaves.

Want to Help Your Feathered Friends With Nesting Material?



In the spring, hang a wire cage filled with natural fibers, twigs, wool, string or feathers for birds such as black-capped chickadees, American robins, phoebes, barn swallows, tree swallows and house wrens to use as nesting material.



HEART OF 4-H VOLUNTEER AWARD

Stephanie Polk

Lancaster County 4-H is proud to announce Stephanie Polk as winner of May's "Heart of 4-H Award" in recognition of outstanding volunteer service.

Stephanie Polk has been organizational leader of the Star City Cornhuskers 4-H club for five years. Prior to that, she was a parent volunteer with the Harmony Hill Horse 4-H club for three years. A Nebraska 4-H Club of Excellence, the Star City Cornhuskers has done several community service projects under Stephanie's leadership, including obtaining headstones for two civil war veterans with unmarked graves in Roca Cemetery. She has also helped staff shifts at 4-H Council's food booth during the Lancaster County Super Fair.

"It is very rewarding — and fun — to watch the club members grow and learn new skills," said Stephanie. "I especially enjoy watching the kids be recognized and rewarded for their efforts at the county fair and various contests."

Lancaster County 4-H thanks Stephanie for donating her time and talents. Volunteers like her are indeed the heart of 4-H!



4-H Spring Leader Training, May 10

New leaders, experienced leaders, 4-H members and parents are invited to a 4-H Leaders Training on Tuesday, May 10, 9 a.m. or 6:30 p.m. (you choose which time to attend) at the Lancaster Extension Education Center, 444 Cherrycreek Road. Meeting will focus on NEW 4-H curriculum, static exhibits, opportunities for 4-H members and more. Learn about fair entry, contests and important Super Fair information. It is a great opportunity to connect with other parents and leaders. **MUST preregister by May 6 by calling 402-441-7180.**

4-H/FFA Sheep & Meat Goat Weigh-In and Tag Day, May 17

4-H/FFA members planning to exhibit market sheep and meat goats need to have their lambs and goats officially tagged and weighed on Tuesday, May 17, 6–8 p.m. at the Lancaster Event Center - Pavilion 2. For more information, call Cole at 402-441-7180.

4-H Regional Interview Contest

4-H youth ages 11 and up are invited to participate in the regional Interview Contest on Thursday, May 26, 1–7 p.m. in Norfolk, Neb. Enter by May 12. Youth will write a resumé and cover letter for one of three job descriptions and participate in a live interview. Contact Tracy at 402-441-7180 or tracy.anderson@unl.edu to learn more about the contest.

Donate to 4-H on Give to Lincoln Day, May 26

Lancaster County 4-H Council is one of the nonprofits the community can give donations to during "Give to Lincoln Day" hosted by the Lincoln Community Foundation on Thursday, May 26 (12 a.m. to 11:59 p.m.). Every donation you make on May 26 helps your favorite charities even more because they will also receive a proportional share of a \$300,000 challenge match pool! For more information or to make a tax-deductible donation, go to <https://givetolincoln.razoo.com/us/story/Lancastercounty4-Hcouncil>.

4-H Life Challenge Contests

4-H Life Challenge Judging Contests help youth learn more about issues related to family and consumer science and entrepreneurship. Contests are open to all 4-H'ers. For more information, contact Tracy at 402-441-7180.

County-level Junior (for ages 8–11) AND Senior Life Challenge (for ages 12 and up) will be held Saturday, June 4, 9 a.m. at the Lancaster Extension Education Center. Preregister by June 2 by calling 402-441-7180 (there is no entry form). Contact Tracy for a study packet for the Junior Life Challenge.

Statewide Life Challenge (for ages 12 and up) will be held June 20–21 on UNL East Campus. To participate, contact Tracy at 402-441-7180 by June 1. Information will be online at <http://pase.unl.edu>

4-H Special Garden Project, Jazzy Mix Zinnia

4-H families are invited to participate in a special garden project growing Jazzy Mix Zinnia. Twenty seed packets are available on a first-come, first-served basis. The cost is \$.50 for one seed packet per family. Please stop by the Extension office front desk to register, pay for and pick up your seeds. Office hours are 8 a.m.–4:30 p.m. We are unable to take orders over the phone or reserve seeds in advance. The project will give youth the opportunity to learn about growing and exhibiting this attractive flower at the county fair. Each participating family will receive a packet of seeds, along with a newsletter of growing tips.

Livestock Quality Assurance

All 4-H/FFA members showing market beef, market sheep, market swine, meat and dairy goats, dairy cattle, poultry and rabbits at county fair, State Fair or the AKSARBEN 4-H Stock Show must complete the Quality Assurance training. Livestock exhibitors showing only breeding animals and horse exhibitors do not have to complete it.

Again this year, the Quality Assurance certification is online. As always, this must be completed by June 15. Instructions are online at <http://4h.unl.edu/qualityassurance>. There is a \$5 per youth charge. If you have any questions, contact Cole at cmeador2@unl.edu or 402-441-7180.



HORSE BITS

Dressage Schooling Show, May 7

The Esprit De Corps 4-H club is sponsoring a Spring Fling Dressage Schooling Show as a fundraiser/clinic. It will be held Saturday, May 7 at the Lancaster Event Center – Pavilion 3. Open to youth and adults. Registrations are due April 25. Information and forms are located at <http://lancaster.unl.edu/4h/horsenews.shtml> or email Megan at megansterner@wildblue.net

4-H District/State Entries Due May 13

4-H'ers competing in 4-H district and state horse shows must be 10 years of age by Jan. 1 and have at least a horsemanship level II. All Lancaster County 4-H'ers participating in district/state horse shows must submit entries, horse identifications and completed horsemanship levels to the Nebraska Extension in Lancaster County office by Friday, May 13. **No late entries will be accepted!** Entry forms, entry guidelines, entry procedures and the 2 & 3 year old western pleasure affidavits are available at the Extension office and online at <http://animalscience.unl.edu/horse-4-h-and-youth>. For more information contact Marty at mrcruickshank2@unl.edu or 402-441-7180.

4-H Horse Identifications Due June 1

Each horse which will be shown at Super Fair must be identified on form "4-H Horse Identification Certificate" and submitted to Nebraska Extension in Lancaster County office by June 1. Form is available at the office as a carbon copy form. If you use the online form at <http://go.unl.edu/uwg4>, make a copy for yourself.

4-H Horse Judging Contest, June 3

The Lancaster County Super Fair 4-H Horse Judging contest will be held on Friday, June 3 at the Lancaster Event Center – Pavilion 3. This is a county fair premium event. Ribbon placings will be awarded. The top ten contestants in all three age groups will be recognized at Horse Awards Night. The champion in each age group will receive a belt buckle. Registration is 5:30–6:30 p.m. Start time 6:30 p.m. For more information contact Marty at mrcruickshank2@unl.edu or 402-441-7180.

Pre-District Show, June 4

The Lancaster County 4-H Horse VIPS Committee and the Salt Creek Wranglers are sponsoring a 4-H Pre-District Show on Saturday, June 4, 9 a.m. at the Lancaster Event Center – Pavilion 3. Show flyer is at <http://unl.edu/4h/horsenews.shtml>. For more information, call Marty at 402-441-7180

CLOVER COLLEGE REGISTRATION FORM

SEE NEXT PAGE FOR CLOVER COLLEGE WORKSHOP INFORMATION

For current class availability, go to <http://lancaster.unl.edu/4h/programs/clovercollege>

Classes fill up quickly!

To register, complete the registration form (one person per form) and return with payment (make check payable to Lancaster County Extension). Registrations are handled on a "first come" basis and will only be accepted upon receipt of fees. **No telephone or online registration.** No refunds unless class is already filled or canceled. Photocopy completed form for your reference.

Confirmation letters and schedules will not be sent. Assume your registration is confirmed unless we contact you about filled classes.

Registration opens May 2 for currently enrolled 4-H members.
Registration opens May 9 for non-4-H members.

Is youth currently enrolled in 4-H? yes no

Name _____ Age _____

Parents Name(s) _____

Address _____

City _____ State _____ Zip _____

Daytime Phone _____ Email _____

Special Needs (allergies, etc.) _____

Workshop(s) # _____ Title _____ Fee _____

_____ Title _____ Fee _____

_____ Title _____ Fee _____

_____ Title _____ Fee _____

_____ Title _____ Fee _____

Use additional sheet of paper if needed

Total _____

I give permission to use my child's image in photographs taken at Clover College in publications, news articles, advertisements or websites pertaining to 4-H. yes no

I give permission for my child to complete workshop evaluations to assess educational impact and life skill development. All information is obtained and reported as aggregated data. yes no

Parent/Guardian Signature: _____ Date: _____

Mail or bring registration form and payment to:
Nebraska Extension in Lancaster County, 444 Cherrycreek Rd., Ste. A, Lincoln, NE 68528
EARLY REGISTRATION NOT ACCEPTED!

Clover College

Tue., June 14–Fri., June 17

Lancaster Extension Education Center, 444 Cherrycreek Road

Open to youth ages 6 & up

20th Anniversary!

Four days of “hands-on” workshops full of fun and learning! Youth may attend as many workshops as they wish. All supplies will be provided unless otherwise noted.

Youth attending workshops that overlap the lunch period should bring a sack lunch. Food will not be available (unless otherwise stated in the workshop description). If you have questions, contact Tracy at 402-441-7180.



WORKSHOP DESCRIPTIONS

4-Day Workshops

1 Clover Kids Day Camp

Clover Kids will participate in hands-on activities while learning about animals, food fun, science, the outdoors and more. Refreshments provided for this workshop.
TUE–FRI, JUNE 14–17;
8AM–12:15PM
AGES 6 & 7 • FEE \$30

2 Rocketry

Build your own rocket and launch it. Receive a rocket kit and one engine. **Only for youth who have not previously taken class.**
TUE–FRI, JUNE 14–17; 8–10AM
AGES 8–12 • FEE \$20
Instructor: Ron Suing, 4-H Volunteer

3 Kickstart Chess!

Want to become a grandmaster? Learn basic rules to game winning strategies. This progressive program is for beginners and those beyond. Lessons are supplemented by practice and play.
TUE–FRI, JUNE 14–17;
10:15AM–12:15PM
AGES 8 & up • FEE \$10
Instructor: James Walla, 4-H Volunteer

1-Day Workshops

4 Fishing Fun

Bring your fishing pole, line, hook and bobber for fishing fun at a nearby lake. Extra tackle is optional. Bait provided. Wear closed toe shoes and sun protection. **Only for youth who have not previously taken class.**
TUE, JUN 14; 8AM–12:15PM
AGES 9 and up • FEE \$5
Instructors: David Smith, Extension Biosolids Coordinator

5 Horse Course – A

An introduction to grooming, tacking and safety around a horse. Bunny, a gentle quarter horse, will help teach. Must wear closed-toed shoes.
TUE, JUNE 14; 8–10AM
AGES 8 & up • FEE \$4
Instructor: Marty Cruickshank, Extension Associate

6 CSI Discovery

Discover how evidence leads to solving questions and cases.
TUE, JUNE 14; 8–10AM
AGES 8 & up • FEE \$5
Instructor: Kate Pulec, ExtensionCorps Member

7 Horse Course – B

Same description as #5 Horse Course – A.
TUE, JUNE 14; 10:15AM–12:15PM
AGES 8 & up • FEE \$4
Instructor: Marty Cruickshank, Extension Associate

8 Make a Difference

Participate in this community service project and make a difference to local people in need!
TUE, JUNE 14; 10:15AM–12:15PM
AGES: 8 & up • FEE \$5
Instructor: Jen Smith, 4-H Volunteer

9 Insect Investigators

Make a cool, catch-and-release critter container and enjoy the thrill of a bug hunt.
TUE, JUNE 14; 10:15AM–12:15PM
AGES: 8 & up • FEE \$5
Instructor: Jody Green, Extension Educator

10 UNL Animal Science Experience

Learn about nutrition, animal biology and all the cool things in animal science during this tour of the UNL Animal Science Building. Enjoy a stop at the UNL dairy store.
TUE, JUNE 14; 12:45–2:45PM
AGES 8 & up • FEE \$3
Instructor: Cole Meador, Extension Assistant

11 Express Yourself

Express yourself through card creation.
TUE, JUNE 14; 12:45–2:45PM
AGES 8 & up • FEE \$2
Instructor: Teri Hlava, Extension Assistant

12 Oatmeal Box Photography

Use an oatmeal box, photographic paper, a darkroom and developer, to produce a unique photographic print.
TUE, JUNE 14; 12:45–2:45PM
AGES 8 & up • FEE \$8
Instructor: Pat Heather, 4-H Volunteer

13 Control the Flow

Explore the “Magic of Electricity” by creating a light switch you can enter in the Super Fair!
TUE, JUNE 14; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructor: Jim Wies, Extension Technologist

14 Wonderful Wall Art

Create one of a kind wall art.
TUE, JUNE 14; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructor: Sadie Hammond, Extension Intern

15 Habitat Discovery

Learn about pollinators and explore Extension’s pollinator habitat. Wear closed toe shoes & sun protection.
TUE, JUNE 14; 3–5PM
Age: 10 & up • Fee \$5
Instructor: Mary Jane Frogge, Extension Associate

16 Project Wild

Have fun investigating wildlife and their habitat.
TUE, JUNE 14; 3–5PM
AGES 8 & up • FEE \$3
INSTRUCTOR: Stephanie Wachter, 4-H Volunteer

17 Let’s Cook

Cooking healthy food is fun and tasty!
TUE, JUNE 14; 3–5PM
AGES 8 & up • FEE \$5
Instructor: Megan Poppert, ExtensionCorps Member

18 Magic Pillowcase

Sew your own pillowcase. Bring 3/4 yd. of a fun cotton fabric along with 1/4 yd. each of two coordinating fabrics (no stripes or matching plaids), matching thread, basic sewing supplies and sewing machine. Must have basic sewing skills.
TUE, JUNE 14; 3–5PM
AGES 8 & up • FEE \$3
Instructors: Abby and Ellie Babcock, 4-H Volunteers

19 Real World GPS & GIS

Discover the amazing world of Global Positioning Systems and Geographical Information Systems!
WED, JUNE 15; 8–10AM
AGES 8 & up • FEE \$5
Instructors: Lancaster Co. Engineers

20 Fantastic Felting

Use wool and the dry felting method to create fun shapes and designs.
WED, JUNE 15; 8–10AM
AGES 8 & up • \$10
Instructor: Cindy Zimmer, 4-H Volunteer

21 Dog Days of Summer

Learn about obedience, agility and showmanship and how to prepare for the Super Fair Dog Show.
WED, JUNE 15; 8–10AM
AGES 8 & up • FEE \$3
Instructor: Paws & Pals 4-H Club

22 Bridges & Roads

Create chocolate asphalt, fantastic bridges and more.
WED, JUNE 15; 10:15AM–12:15PM
AGES 8 & up • FEE \$5
Instructors: Lancaster Co. Engineers

23 America’s Rose

Learn how to plant, care, grow and show roses.
WED, JUNE 15; 10:15AM–12:15PM
AGES 10 & up • FEE \$5
Instructors: Lincoln Rose Society Members

	TUE, JUNE 14	WED, JUNE 15	THU, JUNE 16	FRI, JUNE 17
8:00–10:00	CLOVER KIDS ROCKETRY FISHING FUN HORSE COURSE – A CSI DISCOVERY	CLOVER KIDS ROCKETRY REAL WORLD GPS & GIS FANTASTIC FELTING DOG DAYS	CLOVER KIDS ROCKETRY SOCCER BASICS CUTE CROSSBODY PURSE CANVAS CREATIONS	CLOVER KIDS ROCKETRY COOL & UPCYCLED CODE CAMP FAIRY GARDEN
10:15–12:15	CLOVER KIDS KICKSTART CHESS FISHING FUN HORSE COURSE – B MAKE A DIFFERENCE INSECT INVESTIGATORS	CLOVER KIDS KICKSTART CHESS BRIDGES & ROADS AMERICA’S ROSE EXCELLENT ELECTRONICS TERRIFIC TABLE SETTING	CLOVER KIDS KICKSTART CHESS SHOPPING IN STYLE AMAZING ENGINEERING 1 RABBITS, RABBITS	CLOVER KIDS KICKSTART CHESS GREAT GOATS HAPPY ORCHARD POLLINATION AMAZING ENGINEERING 2
12:45–2:45	ANIMAL SCIENCE EXPERIENCE EXPRESS YOURSELF OATMEAL BOX PHOTOGRAPHY CONTROL THE FLOW WONDERFUL WALL ART	BIG POWER MACHINES MODELING MADNESS WILD WEATHER FUN FOOD ADVENTURE DECOUPAGING FUN	DISCOVER KUMIHIMO CREATIVE CRAFTS HAMMER! NAIL! BUILD! WIRED FOR WIND	TODDLER TOYS MAKEY MAKEY CAKE DECORATING SKY’S THE LIMIT
3:00–5:00	HABITAT DISCOVERY PROJECT WILD LET’S COOK MAGIC PILLOWCASE	TREMENDOUS TUBS BOTTLES, BOTTLES DOUGH FUN CONTAINER GARDENING	CLUCK, CLUCK, QUACK SENSATIONAL CRAFTS PIZZA PARTY SOLAR CARS	NO CLASSES

24 Excellent Electronics

Create different sounds and lights with an electronic circuit board. Fun!
WED, JUNE 15; 10:15AM–12:15PM
AGES 8 & up • FEE \$3
Instructor: Jim Wies, Extension Technologist

25 Terrific Table Setting

Create an awesome centerpiece and learn how to participate in the 4-H Table Setting contest at Super Fair.
WED, JUNE 15; 10:15AM–12:15PM
AGES 8 & up • FEE \$5
Instructor: Sadie Hammond, Extension Intern

26 Big Power Machines

Get the behind scenes tour of how mechanics create specialized equipment and make repairs.
WED, JUNE 15; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructors: Lancaster Co. Engineers

27 Modeling Madness

Be a styling diva and learn the ins and outs of modeling. Perfect preparation for 4-H Fashion Show.
WED, JUNE 15; 12:45–2:45PM
AGES 8 & up • FEE \$2
Instructor: Shar Sieck, 4-H Volunteer

28 Wild Weather Fun

Explore the amazing side of weather and become a weather scientist.
WED, JUNE 15; 12:45–2:45PM
AGES 8 & up • FEE \$3
Instructor: Tyler Williams, Extension Educator

29 Food Adventure

Explore amazingly great healthy foods spiced up with interactive fun!
WED, JUNE 15; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructor: Megan Poppert, ExtensionCorps Member

30 Decoupage Fun

Learn decoupage techniques as you create your work of art.
WED, JUNE 15; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructors: Mary Von Seggern, 4-H Volunteer

31 Tremendous Tubs

Have fun painting a cool metal tub.
WED, JUNE 15; 3–5PM
AGES 8 & up • FEE \$8
Instructor: Caitlyn Schmidt, 4-H Volunteer

32 Bottles, Bottles

Make unique decorated vases. Cool!
WED, JUNE 15; 3–5PM
AGES 8 & up • FEE \$10
Instructor: Madison Schmidt, 4-H Volunteer

33 Dough Fun

It’s easier than it looks to mix and shape bread and rolls. Learn techniques and take samples home.
WED, JUNE 15; 3–5PM
AGES 10 & up • FEE \$5
Instructor: Lorene Bartos, Extension Educator Emeritus

34 Container Gardening

Create your own container garden.
WED, JUNE 15; 3–5PM
AGES 8 & up • FEE \$8
Instructor: Rachel Johnson, Extension Intern

35 Soccer Basics

Learn fancy footwork. Wear closed toe shoes, shin guards and bring your own soccer ball.
THU, JUNE 16; 8–10AM
AGES 8 & up • FEE \$3
Instructor: Megan Poppert, ExtensionCorps Member

36 Cute Crossbody Purse

Sew your own crossbody purse. Must have basic sewing skills. Bring 1/2 yard each of two coordinating cotton fabrics (no stripes or matching plaids), 1 pkg. piping in coordinating color, matching thread, basic sewing supplies and sewing machine.
THU, JUNE 16; 8–10AM
AGES 10 & up • FEE \$5
Instructors: Abby and Ellie Babcock, 4-H Volunteers

37 Canvas Creations

Use your creativity to create a one of a kind canvas painting!
THU, JUNE 16; 8–10AM
AGES 8 & up • FEE \$7
Instructor: Caitlyn Schmidt, 4-H Volunteer

38 Shopping in Style

Learn savvy shopping tips while having fun exploring the project Shopping in Style.
THU, JUNE 16; 10:15AM–12:15PM
AGES 8 & up • FEE \$5
Instructor: Sadie Hammond, Extension Intern

39 Amazing Engineering 1

Design and build amazing engineering projects. Projects will differ from Amazing Engineering 2.
THU, JUNE 16; 10:15AM–12:15PM
AGES 8 & up • FEE \$3
Instructors: UNL Engineering Dept.

40 Rabbits, Rabbits!

Learn to care for rabbits and about rabbit showmanship with live rabbits.
THU, JUNE 16; 10:15AM–12:15PM
AGES 8 & up • FEE \$3
Instructors: Cindy & Alyssa Zimmer, 4-H Volunteers

41 Discover Kumihimo

Explore the Japanese art of cord braiding. Great for girls and boys.
THU, JUNE 16; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructor: Cathy Babcock, 4-H Volunteer

42 Creative Crafts

Show your creativity while making fun crafts.
THU, JUNE 16; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructor: Rachel Johnson, Extension Intern

43 Hammer! Nail! Build!

Build and decorate a hanging plant holder to display outside.
THU, JUNE 16; 12:45–2:45PM
AGES 8 & up • FEE \$10
Instructor: Karol Swotek, 4-H Volunteer

44 Wired For Wind

Build a wind turbine that generates electricity! Experiment with turbine designs. Take it home and experiment more! It will be “watts” of fun!
THU, JUNE 16; 12:45–2:45PM
AGES 8 & up • FEE \$10
Instructor: F. John Hay, Energy Educator

45 Cluck, Cluck, Quack!!

Enjoy the fun of backyard poultry as we learn about chickens, ducks, etc.
THU, JUNE 16; 3–5PM
AGES: 8 & up • FEE: \$5
Instructors: The Egg Basket 4-H Club

46 Sensational Crafts

Create your own masterpiece in this fun, hands-on workshop.
THU, JUNE 16; 3–5PM
AGES: 8 & up • FEE: \$5
Instructor: Kate Pulec, ExtensionCorps Member

47 Pizza Party!

Create your own unique pizza!
THU, JUNE 16; 3–5PM
AGES 8 & up • FEE \$5
Instructor: Cole Meador, Extension Assistant

48 Solar Cars

Design, build and test a solar car. We will test which is best: gear drive, belt drive, direct drive, propeller drive, or a combination.
THU, JUNE 16; 3–5PM
AGES 8 & up • FEE \$10
Instructor: F. John Hay, Energy Educator

49 Cool & Upcycled

Create marshmallow blasters, cars, bird feeders, etc. by upcycling.
FRI, JUNE 17; 8–10AM
AGES 8 & up • FEE \$5

50 Code Camp

Interested in coding? If you can read, you can code in this game environment!
FRI, JUNE 17; 8–10AM
AGES 8 & up • FEE \$5
Instructors: Savannah Schafer, ExtensionCorps Member & Lauren Hull, Happy Orchard Intern

51 Fairy Garden

Create a mini garden complete with structures and plants.
FRI, JUNE 17; 8–10AM
AGES 8 & up • FEE \$10
Instructor: Kate Pulec, ExtensionCorps

52 Great Goats

Goats will be present to help you find out why they are GREAT!
FRI, JUNE 17; 10:15AM–12:15PM
AGES 8 & up • FEE \$4
Instructor: Rachel Johnson, Extension Intern

53 Happy Orchard Pollination

Discover fun pollination facts through hands-on activities.
FRI, JUNE 17; 10:15AM–12:15PM
AGES 8 & up • FEE \$5
Instructors: Lauren Hull, Happy Orchard Intern & Savannah Schafer, ExtensionCorps Member

54 Amazing Engineering 2

Design and build amazing engineering projects. Projects will differ from Amazing Engineering 1.
FRI, JUNE 17; 10:15AM–12:15PM
AGES 8 & up • FEE \$3
Instructors: UNL Engineering Dept.

55 Toddler Toys

Learn about toddler development and make creative toys!
FRI, JUNE 17; 12:45–2:45PM
AGES 8 & up • FEE \$7
Instructor: Jaci Foged, Extension Educator

56 Makey Makey

Use everyday items to build a computer joystick or keyboard.
FRI, JUNE 17; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructors: Savannah Schafer, ExtensionCorps Member & Lauren Hull, Happy Orchard Intern

57 Cake Decorating

Learn decorating techniques and create your own designs.
FRI, JUNE 17; 12:45–2:45PM
AGES 8 & up • FEE \$5
Instructor: Lorene Bartos, Extension Educator Emeritus

58 Sky’s the Limit

Make your own kite from scratch while you learn about aerodynamics.
FRI, JUNE 17; 12:45–2:45PM
AGES: 8 & UP • FEE \$5
Instructor: Karen Wedding, Extension Staff

Registration opens May 2 for currently enrolled 4-H members; May 9 for non-4-H members.

To register, use form on previous page.

Early registrations will NOT be accepted!

No telephone or online registration. No refunds unless class is already filled or canceled. Confirmation letters and schedules will not be sent.

For current class availability, go to <http://lancaster.unl.edu/4h/programs/clovercollege>



EXTENSION CALENDAR

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

April

- 25 **Stepping On Workshop**.....1–3 p.m.
- 26 **4-H Horsemanship Level Testing, Lancaster Event Center - Amy Countryman Arena** 5:30 p.m.

May

- 2 **Stepping On Workshop**.....1–3 p.m.
- 3 **4-H Council Meeting**.....6 p.m.
- 7 **Spring Fling Horse Dressage Schooling Show, Lancaster Event Center - Pav. 3**
- 9 **Stepping On Workshop**.....1–3 p.m.
- 10 **4-H Leader Training**9 a.m. & 6:30 p.m.
- 10 **4-H Horsemanship Level Testing, Lancaster Event Center - Amy Countryman Arena** 5:30 p.m.
- 10 **Safe With You Part 1 Class, Peace Lutheran Church, Waverly ...** 6:15–8:15 p.m.
- 12 **Co-Parenting for Successful Kids Class** 9 a.m.–12:30 p.m.
- 13 **Extension Board Meeting** 8 a.m.
- 13 **Lancaster County Deadline for 4-H District/State Horse Show Entries, ID, Level Tests**
- 16 **Stepping On Workshop**.....1–3 p.m.
- 17 **4-H/FFA Sheep/Goat Weigh-In & Tag Day, Lancaster Event Center - Pav. 2..** 6–8 p.m.
- 19 **Safe With You Part 1 Class, Peace Lutheran Church, Waverly ...** 6:15–8:15 p.m.
- 21 **Composting Demonstration, Pioneers Park Nature Center's Backyard Composting Demonstration Area**2 p.m.
- 23 **Stepping On Workshop**.....1–3 p.m.

5th Graders Learn About Environment at Earth Wellness Festival

Over 3,500 Lancaster County fifth graders from 50 schools attended the 22nd annual Earth Wellness Festival (EWF) on March 22 and 23 at Southeast Community College. Students rotated among 25-minute sessions and then attended a culminating activity with featured presenters, World Bird Sanctuary from St. Louis. Classrooms attending the festival received pre-festival learning kits in October. Students discover and explore the relationships and interdependency of land, water, air and living resources through hands-on activities.

The festival is organized by eight local agencies, including Nebraska Extension in Lancaster County. More photos are online at <http://lancaster.unl.edu/ewf>.



Extension Assistant Cole Meador presented "Wildlife CSI." In the session, students looked at mock wildlife scenes and used clues such as tracks, feathers and nests to deduce what happened.



Extension Educator Tracy Anderson presented a session about "Scat." Students learned what various wildlife eats affects their scat (feces). Students recreated animal scat using Tootsie Rolls and other edible foods.



Extension Master Gardeners presented "Do the Rot Thing" which explored the process of composting. Students examined compost samples for critters which aid in the decomposition of organic materials and are commonly found in a compost pile.

Lancaster County 4-H'er Part of Student Night Runway Show at Omaha Fashion Week



Omaha Fashion Week kicked off with a Student Night on March 15. The runway show included collections from top 4-H members, the Joslyn Art Museum's Kent Bellows Studio, Omaha's Central High School and Omaha South High School. This year, 4-H members applied to participate in the 4-H collection. In order to be considered, garments must have been exhibited at the Nebraska State Fair. Garment entries were fashion forward, runway appropriate and displayed high quality construction.

Lancaster County 4-H member Emma Lanik modeled one of 12 garments in the 4-H collection. She constructed her dress from woven VHS tape.

EXTENSION NEWS

New Urban Entomologist, Jody Green

In March, Jody Green joined Nebraska Extension in Lancaster County as an urban entomology extension educator. Her primary focus will be programs related to structural and health-related pests such as bed bugs, ants, termites, cockroaches, mosquitoes and ticks. Jody has an extensive background in integrated pest management (IPM) in urban areas, and has worked in the pest control industry as a sales inspector, technician and consultant.



Jody is originally from Kitchener, Ontario, Canada where she earned a bachelor's degree in Gerontology from the University of Guelph and an associate's degree in Environmental Pest Management from Sir Sandford Fleming College. She earned her master's and doctorate's degrees in Entomology from Purdue University. At Purdue, Jody assisted in organizing the annual Purdue Pest Management Conference for five years.

In 2008, Jody moved to Omaha to work as the quality assurance lab manager at a ConAgra Foods flour mill. Recently, she worked for University of Nebraska-Lincoln's Pesticide Safety Education Program on East Campus, providing pesticide safety training to certified applicators. Commercial applicators may recognize her from some of the training videos.

Jody appreciates insects and arthropods for the role they play in nature, but understands there is a time when they cross into "pest" status. She is eager to assist residents and professionals solving pest problems. You can contact Jody at 402-441-7180. Follow Jody on Twitter @JodyBugsMeUNL. She will contribute to Extension's "Home Wise! Family Smart!" blog at <https://homewisefamilysmart.wordpress.com>.

Nebraska Extension in Lancaster County offers free diagnostic service of insects and pests. Lancaster County residents can bring in samples for identification and control recommendations. Office hours are Monday-Friday, 8 a.m.-4:30 p.m.

New "Learning Child" Educator, Jaci Foged

In March, Jaci Foged joined Nebraska Extension in Lancaster County as a "Learning Child" educator and will serve Lancaster, Otoe and Cass counties. She has worked at the Seward County Extension office since July 2014 with a focus on early childhood development as part of "The Learning Child" team. Jaci specializes in training early childhood educators and parents as they work with children ages newborn to 8 years. She is part of two statewide Extension teams: Increasing The Quality and Frequency of Learning Experiences For Young Children and Healthy Lifestyles.



Originally from Morrill, Nebr, Jaci graduated from the University of Nebraska-Lincoln with a bachelor's degree in Human Resources and Family Sciences with an emphasis in child development/early childhood education. She earned her master's degree in curriculum and instruction from Doane College in Crete.

Prior to joining Extension, Jaci was the director of the UNL Children's Center on city campus. Jaci has also directed an Intergenerational program, assisted with before and after school age care, and was the lead teacher for a toddler classroom.

Jaci is excited about working with early childhood educators and parents in Lancaster, Otoe and Cass counties, so please stop in and say "hello." Follow Jaci on a variety of social media outlets including Twitter @JaciUNLChild and The Learning Child team on Pinterest and Facebook. She also contributes to Extension's "The Learning Child" website at <http://child.unl.edu>.