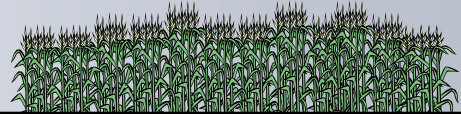




# Nemaha County

## Ag Line



January 2019  
Volume 15 Issue 1

By: Gary Lesoing, Nemaha County Extension Educator

### CALENDAR OF EVENTS

- |               |  |              |   |
|---------------|--|--------------|---|
| January 10    | Ag Estate Planning Workshop<br>9:15 a.m.-3:00 p.m.<br>Otoe County Fair Center<br>Syracuse, NE          | February 8-9 | Nebraska Sustainable Ag Society<br>Healthy Farms Conference<br>Ramada Inn<br>Grand Island, NE                 |
| January 10-12 | Great Plains Growers Conference<br>Missouri Western University<br>St. Joseph, MO                       | February 12  | Chemigation Training<br>9:00 a.m.– 12:00 p.m.<br>Nemaha NRD Meeting Room<br>Tecumseh, NE                      |
| January 15    | Crop Production Clinic<br>8:00 a.m.– 4:00 p.m.<br>LaVista Conference Center<br>LaVista, NE             | February 12  | Private Pesticide Applicator Training<br>9:00 a.m.<br>Dickey's Barbecue<br>Falls City, NE                     |
| January 17    | Three-State Beef Conference<br>5:30 p.m.<br>Otoe County Fair Center<br>Syracuse, NE                    | February 12  | Private Pesticide Applicator Training<br>1:00 p.m.<br>Dickey's Barbecue<br>Falls City, NE                     |
| January 22-23 | Northwest Missouri CCA Conference<br>Missouri Western University<br>St. Joseph, MO                     | February 14  | Nebraska Cover Crop Conference<br>8:30 a.m.-3:30 p.m.<br>Eastern NE Research & Extension Center<br>Mead, NE   |
| January 25    | Private Pesticide Applicator Training<br>9:00 a.m.<br>Nemaha NRD Meeting Room<br>Tecumseh, NE          | February 14  | Chemigation Training<br>9:00 a.m.—12:00 p.m.<br>Saline County Extension Office<br>Wilber, NE                  |
| January 25    | Private Pesticide Applicator Training<br>1:00 p.m.<br>Nemaha NRD Meeting Room<br>Tecumseh, NE          | February 15  | Private Pesticide Applicator Training<br>9:00 a.m.<br>Kimmel Education & Research Center<br>Nebraska City, NE |
| February 1    | Private Pesticide Applicator Training<br>9:00 a.m.<br>4-H Building—Nemaha Co Fairgrounds<br>Auburn, NE | February 15  | Private Pesticide Applicator Training<br>1:00 p.m.<br>Kimmel Education & Research Center<br>Nebraska City, NE |
| February 1    | Private Pesticide Applicator Training<br>1:30 p.m.<br>4-H Building—Nemaha Co Fairgrounds<br>Auburn, NE | February 19  | Beef Profits Tips<br>1:00-5:00 p.m.<br>First Lutheran Church Fellowship Hall<br>Wilber, NE                    |
| February 7    | Private Pesticide Applicator Training<br>9:00 a.m.<br>Union Bank & Trust (Basement)<br>Pawnee City, NE | February 20  | Nebraska On-Farm Research Network Update<br>9:00 a.m.-4:00 p.m.<br>Valentino's Restaurant<br>Beatrice, NE     |
| February 8    | Wilbur Crop Clinic<br>9:00 a.m.—2:30 p.m.<br>Sokol Hall<br>Wilber, NE                                  | February 25  | Private Pesticide Applicator Training<br>9:30 a.m.<br>Syracuse Public Library<br>Syracuse, NE                 |
|               |  | February 25  | Private Pesticide Applicator Training<br>1:00 p.m.<br>Syracuse Public Library<br>Syracuse, NE                 |

- |          |   |
|----------|---|
| March 5  | Private Pesticide Applicator Training<br>6:00 p.m.<br>Ag Building-Richardson Co Fairgrounds<br>Humboldt, NE |
| March 6  | No-Till/Soil Health Conference<br>8:30 a.m.—3:30 p.m.<br>4-H Building—Gage Co Fairgrounds<br>Beatrice, NE   |
| March 7  | Private Pesticide Applicator Training<br>9:00 a.m.<br>Cass County Extension Office<br>Weeping Water, NE     |
| March 7  | Private Pesticide Applicator Training<br>1:00 p.m.<br>Cass County Extension Office<br>Weeping Water, NE     |
| March 15 | Dicamba Training<br>10:00 a.m.<br>4-H Building—Nemaha Co Fairgrounds<br>Auburn, NE                          |

## CROP PRODUCTION CLINICS SCHEDULED AT FIVE SITES ACROSS NEBRASKA

Updates on university research on cover crops, cropping systems, crop residue removal, fertility and soil nutrition, irrigation, and pest management are among the topics to be featured at the 2019 Crop Production Clinics. Programs will be held at five sites across the state in January and include **pesticide applicator recertification training**.

"Individual clinics will be customized to address topics specific to that area of the state, allowing growers to get research-based information on the issues they face locally," Proctor said. For example, the eastern Nebraska programs (LaVista, York, and Norfolk) will include information on removing crop residue through grazing and baling and the potential effects of removal on soil nutrition and erosion. Extension Educators Jenny Rees and Keith Glewen will present these sessions.

At LaVista, the closest session for southeast Nebraska, Extension Educator Nathan Mueller will discuss university research on winter wheat production in eastern Nebraska and UNL Agronomy Professor Andrea Basche will summarize a broad range of research studies that have evaluated the effectiveness of cover crops for controlling weeds. At the York and LaVista meetings Justin McMechan, Extension Crop Protection and Cropping Systems Specialist, will present on the soybean gall midge, a relatively new pest in soybean.

Greg Kruger, Extension Weed Science and Application Technology Specialist, will present on dicamba drift and highlight the most current research and recommenda-

tions to reduce off-target movement at multiple locations. Other topics will include double-cropping field peas, marketing, farm management, and agribusiness.

"We strive to provide practical, profitable, environmentally sound, high-impact training for agricultural professionals and producers," said Chris Proctor, Weed Management Extension Educator and Clinic Coordinator.

Complete agendas and online registration for each site are available at <http://agronomy.unl.edu/cpc>.

## MAKE PLANS TO ATTEND THE THREE-STATE BEEF CONFERENCE IN SYRACUSE ON JANUARY 17<sup>th</sup>

Area beef producers should make plans to attend the fifth annual Three-State Beef Conference that will be held on January 17, 2019 in Syracuse, Nebraska. The theme for this year's conference is "**Reducing Cow Feed Costs Using Cropland**".

Topics and speakers for the conference are as follows: "**Filling in the Gaps – Using Annual Forages to Meet Late Fall and Early Spring Forage Needs**," Dr. Mary Drewnoski, Beef Systems Specialist, University of Nebraska-Lincoln; "**Opportunities and Management of Corn Residue for Beef Cattle**," Kristen Ulmer, Beef Systems Educator, University of Nebraska Extension; "**Silage as the Primary Winter Feed for Cows**," Dr. Eric Bailey, State Extension Beef Nutrition Specialist, University of Missouri.

The first and second sessions of the conference will be held in Greenfield, Iowa and in Savannah, Missouri respectively on January 15<sup>th</sup> and 16<sup>th</sup>. On January 17, the session will be held in Nebraska at the Otoe County Fair Center in Syracuse. Registration for the Syracuse location will begin at 5:30 p.m. and the meeting will start at 6:00 p.m.

The Three-State Beef Conference is designed to give beef cattle producers and others in the beef industry in Iowa, Missouri and Nebraska a regular update on current cow-calf and stocker topics. The conference provides a forum of specialists from three of the United States' leading beef cattle land grant universities as well as other industry experts. The registration fee is \$25 per person, and it includes a meal and copy of the conference proceedings. We request that attendees pre-register by Friday, January 11, 2019. Calling or emailing with your reservation helps with meal plans and also helps keep costs down. Call Nebraska Extension in Otoe County at 402-269-2301 or email [kristen.ulmer@unl](mailto:kristen.ulmer@unl) for more details or to register for the Nebraska location.

## **PRIVATE PESTICIDE APPLICATOR TRAININGS SET FOR SOUTHEAST NEBRASKA IN 2019**

Private Pesticide Applicator Training Sessions have been scheduled in Nemaha, Johnson, Otoe, Pawnee, Richardson and Cass Counties for 2019 to provide an opportunity for farmers to renew their license or for initial certification. Sessions have been scheduled at different locations in each county in January, February or March; with a night session also scheduled in March. These training sessions will serve as a method for farmers to become informed about recent advances in agronomy. We want producers to be made aware of some of the advances in crop production and some of the things we have observed in agronomy in southeast Nebraska this past year. The first two hours of the program will focus on current and important agronomic issues, with the last hour addressing general standards for Private Pesticide Applicators. Topics that will be discussed include: Spray Drift, Nozzle selection, Dicamba application regulations and concerns. Herbicide resistance in weeds, IPM in crops, invasive weeds, updates on soybean studies, insect and disease issues in soybeans, disease control in corn, insect issues in corn, in-season application of nitrogen, and use of cover crops/secondary forage crops in cropping systems. For initial certification or recertification, farmers must attend the complete three hour program. All the locations and dates for Private Pesticide Applicators Training in the six county region are available at the Nemaha County Extension office, in your local Nebraska Extension county office or on-line at: <https://extension.unl.edu/statewide/nemaha/2019-private-pesticide-applicator-training-schedule/>. There are 14 trainings scheduled in this six county area. There also will be a Dicamba Training held March 15th at 10:00 a.m. at the 4-H Building on the Nemaha County Fairgrounds in Auburn, NE. To find out dates and locations of the trainings or if you have other questions feel free to contact me at the Nemaha County Extension office at (402) 274-4755.

## **23<sup>RD</sup> ANNUAL GREAT PLAINS GROWERS CONFERENCE JANUARY 10-12, 2019**

On Thursday, January 10, the conference kicks off with five daylong workshops, including "Cover Crops and Soil Health," "Food Safety Modernization Act (FSMA) Grower Training," "Hops Potential," "Selling Lo-

cal Foods," and "Honey Bees & Beekeeping."

Concurrent sessions on Friday and Saturday January 11 and 12 provide more than 50 presentations on a wealth of subjects. In addition to presentations on conventional and organic vegetable production, there will be tracks on tree and small fruit production; organic and conventional vegetable production; season extension; greenhouse and hydroponics; cut flowers and technology for growers.

### **Keynote Speaker**

Friday features keynote speaker Alex Hitt, owner of Peregrine Farms near Chapel Hill, North Carolina. The 2.5-acre farm is a diversified operation with about 75 percent of production in vegetables and 15 percent cut flowers, and the rest in small fruit. Alex and his wife Betsy have worked on the farm full time since 1990, with revenue generated through direct sales and a two-day-a-week farmer's market.

In 2006 Alex and Betsy received the Patrick Madden Award for Sustainable Agriculture. In 2010 Peregrine Farm was included in the National Academy of Sciences report "Toward Sustainable Agriculture Systems in the 21st Century."

For the last seven years, they have worked the farm with their business partner Jennie. Alex's keynote presentation will address Transitioning Your Farm to the Next Generation.

### **Trade Show**

"The trade show is also a big draw for conference participants" said Sarah Browning, Nebraska Extension Educator. "We had over 50 booth spaces last year that filled the Fulkerson Conference Center and expect the same or more this year," Browning said.

### **Registration & Lodging**

Registration, which includes meals and breaks, for the Thursday workshops are \$55 per person and \$45 per day per person for the Friday and Saturday sessions. Student registration is \$25.00/day with valid student identification with the exception of the FSMA workshop which is \$55.

### **Conference hotels in St. Joseph include:**

- Stoney Creek Inn, 1201 Woodbine, (816) 901-9600 or (800) 659-2220
- Drury Inn and Suites, 4213 Frederick, (816) 364-4700 or (800) 325-0720
- Hampton Inn, 3928 Frederick, (816) 390-9300 or (888) 370-0981

A full program, registration information and more information can be found at the website: [www.greatplainsgrowersconference.org](http://www.greatplainsgrowersconference.org) or on Facebook at @GreatPlainsGrowersConference. More information is also available by contacting Sarah Browning at [sarah.browning@unl.edu](mailto:sarah.browning@unl.edu) or phone (402) 441-6747.

**NORTHWEST MISSOURI  
CERTIFIED CROP ADVISORS  
CONFERENCE SCHEDULED  
FOR JANUARY 22<sup>ND</sup> & 23<sup>RD</sup>**

The Northwest Missouri Certified Crop Advisors Conference is scheduled for Tuesday and Wednesday, January 22<sup>nd</sup> and 23<sup>rd</sup> in St. Joseph, MO at Missouri Western University. This is an excellent 2 day conference where crop advisors and producers learn from experts from Nebraska, Kansas and Missouri. On Tuesday, January 22<sup>nd</sup> there will be updates on soybean and corn diseases, requirements for dicamba use, the use of cover crops with terraces, input costs and crop insurance for 2019, on-farm research to evaluate drones and sensors for corn nitrogen management, the Field to Market Field Print Calculator, impact of 2,4-D and Dicamba off-target movement on fruit, nut and shade trees and what is ahead for soybeans and corn. January 23<sup>rd</sup> topics include: soybean diseases, in-season nitrogen management, climate variability and summer outlook, Farm Bill Updates, corn and soybean price outlook, soil health, Japanese beetles, emerging native and invasive herbivores, phosphorus runoff and nitrogen management in corn following cover crops. To register or find out more about this event, go to: <http://extension.missouri.edu/nodaway/nwmocca.aspx> or contact Nodaway County Extension at 660-582-8101.

**NEBRASKA COVER CROP  
CONFERENCE PLANNED FOR  
FEBRUARY 14<sup>TH</sup> AT THE  
EASTERN NEBRASKA  
RESEARCH AND EXTENSION  
CENTER NEAR MEAD**

The 2019 Nebraska Cover Crop and Soil Health Conference is being planned for Thursday, February 14th, and will be held at ENREC (formerly ARDC) near Mead. The conference features innovative speakers who have worked with cover crops extensively and will share what they have learned. This is your opportunity to get your questions answered.

There are many benefits to utilizing cover crops, such as improved soil health and reduced erosion. It's the details of how and what to do that can present challenges. The focus of the conference is to provide information to growers who are in a corn/soybean rotation and to as-

sist them in understanding the value of cover crops.

An excellent program is being planned by Keith Glewen, Extension Educator and a program committee. The program will start with registration and coffee and doughnuts at 8:30 and a Welcome at 9:00. The program will feature presentations by David Montgomery, Professor of Geomorphology, University of Washington, "Growing a Revolution: Bringing Our Soil Back to Life" and Jay Fuhrer, Soil Health Specialist, NRCS Bismarck, North Dakota who will discuss, "Rebuilding and Maintaining Life in the Soil." We will then get farmers' perspectives on the use of cover crops. Jeff Steffen a Nebraska farmer from Crofton will share "A Northeast Nebraska Farmer's Perspective on Cover Crops." Ray Ward, Founder of Ward Laboratories will discuss, "How My Farm Has Responded to Cover Crops and Crop Rotation." Scott Heinemann from Winside, Nebraska will explain "How I Graze My Cropland Without Owning Livestock." Following the presentations there will be a cover crop panel with a chance to ask the presenters questions about cover crops. Following an evaluation, the program should adjourn at 3:30 p.m. If you have questions you can contact me at (402) 274-4755 or to register contact Keith Glewen at (402) 624-8030 or [cdunbar2@unl.edu](mailto:cdunbar2@unl.edu). A link to the website is: <https://extension.unl.edu/statewide/enre/nebraska-cover-crop-conference/>

**NO-TILL/SOIL HEALTH  
CONFERENCE BEING PLANNED  
FOR SOUTHEAST NEBRASKA  
IN BEATRICE**

The Southeast Nebraska No-till/Soil Health Conference is scheduled for Wednesday, March 6<sup>th</sup> at the 4-H Building at the Gage County Fairgrounds in Beatrice. The conference was held in Syracuse in 2018 and we have had previous conferences recently in Hallam, Beatrice and Syracuse, and are bringing it back to Beatrice this year. While we are still in the planning stages, we expect the program to have registration at 8:30 a.m., with the program starting at 9:00 a.m. The program should conclude around 3:30 p.m.

Our keynote speaker for the program is Keith Thompson, a farmer from Osage City, KS. Their farm has been in a continuous no-till system since 1991. The system has evolved to include growing more species of cash crops, plus adding cover crops and livestock to benefit the environment and society in the way it mimics Mother Nature.

Crops produced on their farm include corn, grain sorghum, soybeans, wheat and sunflowers, plus cover crops and forage crops. The Thompsons believe in no-till's environmentally friendly practices and the practice has improved profitability on their farm.

The program will also include Paul Jasa, No-till Specialist for Nebraska Extension; Lance Gunderson from Ward Laboratories discussing how soil health is changing soil testing and what they have learned; Justin McMechan, Nebraska Extension, addressing cover crops and insects; Gary Lesoing, Extension Educator, providing an update for on-farm research with cover crops; and Mary Drewnoski discussing cover crops and grazing.

The day will conclude with a panel of the presenters, plus a farmer that is utilizing cover crops for cattle and a consultant that has utilized cover crops for several years as he has worked with farmers throughout Nebraska. As soon as the program is finalized in the near future, information will be available on <http://cropwatch> and on area county websites. While the program is free, pre-registration is required by Friday, March 1<sup>st</sup> to ensure resource materials are available and for meal planning purposes. Please call the Saline County Extension office at (402) 821-2151 or email [lou.hajek@unl.edu](mailto:lou.hajek@unl.edu) to pre-register.

## **FARM BEGINNINGS® COURSE OFFERED THIS WINTER & SPRING**

Registration is now open for the Farm Beginnings® Course, a hands-on interactive course for farm business development and management that pairs the expertise of educators from Nebraska Extension and Nebraska College of Technical Agriculture with experience, knowledge, and insight from successful local farmers. The course includes classroom learning, field tours, and opportunities for mentorship. Participants may register for the course as a non-credit extension program or as a 4 credit hour course offered through NCTA. For more information call the Nemaha County Extension Office at 402-274-4755 or go to: <https://extension.unl.edu/statewide/nemaha/farm-beginnings/>.

## **CORN & SOYBEAN GROWERS SHARE ON-FARM RESEARCH**

Corn and soybean growers are invited to attend the Nebraska On-Farm Research Network research update program February 20<sup>th</sup> from 9:00 a.m. – 4:00 p.m. at Valentino's Restaurant, 701 Court St., Beatrice. Producers will obtain valuable crop production-related information from on-farm research projects conducted on Nebraska farms by Nebraska farmers in partnership with UNL faculty. The goal of the Nebraska On-Farm Research Network is to put in place a statewide on-farm research program addressing critical farmer production, profitability and natural resources

questions. Growers take an active role in the on-farm research project sponsored by UNL Extension in partnership with the Nebraska Corn Growers Association and the Nebraska Corn Board. The February program will provide an opportunity to hear growers who conducted on-farm research share their results from the 2018 growing season. Please pre-register at least 2 days in advance for meal planning purposes. Preregistration is requested by contacting [onfarm@unl.edu](mailto:onfarm@unl.edu) or calling 402-624-8030 for the February 20<sup>th</sup> program at Beatrice. To learn more about the Nebraska On-Farm Research Network and how to participate go to <http://cropwatch.unl.edu/farmresearch>.

## **ANNIE'S PROJECT—A SIX SESSION EDUCATION COURSE FOR FARM WOMEN**

Farm and ranch women are generating a cultural tide in American agriculture that is moving management, assets and opportunities to a new wave of farmers across the country. At Annie's Project workshops, farm women become empowered to be better business partners or sole operators through networks and by managing and organizing critical information. Whether you are a woman working full-time in the operation or have off-farm employment, Annie's Project is for you.

Annie's Project will begin on January 28, 2019, in southeast Nebraska. It's a three week course with 2 sessions per week on Monday and Wednesday evenings in Beatrice. The workshops are designed to be discussion-based, bringing women together to learn from experts in human resources, financial management, farm succession, government programs, insurance, and other topics of interest to the group. There will be plenty of time for questions, sharing, reacting and connecting with presenters and fellow participants. The learning environment will be relaxed and fun, providing a dynamic way to learn, grow and meet other farm and ranch women.

Annie's Project sessions are planned for January 28, 30, February 4, 6, 11, and 13 from 5:30 p.m. to 9:00 p.m. at the Farm Credit Services of America Conference Room, north Highway 77 in Beatrice. The cost for the full six session course is \$75 per person, which includes a workbook and support materials for all sessions. Thanks to Annie's Project sponsors in the area, costs for participants is reduced and an evening meal is provided at each class. Sponsors include Farm Credit Services of America, First State Bank, Southeast Community College Ag Program, and Farmers Cooperative of Dorchester.

Annie's Project courses have successfully reached more than 9,000 farm and ranch women in 33 states. Linda, an Annie's Project alumna says, "I took the class to gain a better understanding about agribusiness and how financial decisions impact our farm operation. I have a better understanding of balance sheets and the futures market...this class has improved communication

with my spouse on concerns he works with on a daily basis.”

Course size is limited, so please register by calling the Gage County Extension office at 402-223-1384 or online at <https://www.regonline.com/anniesproject-beatrice>. Registration deadline is January 18, 2019.

For more information contact Glennis McClure at 402-472-0661 or [gmclure3@unl.edu](mailto:gmclure3@unl.edu).



**Contact:**

University of NE-Lincoln Extension  
Nemaha County  
1824 N Street, Suite 102  
Auburn NE 68305  
Phone: 402-274-4755  
Fax: 402-274-5400



**Extension Educator:** Gary Lesoing, Unit Leader  
[glesoing2@unl.edu](mailto:glesoing2@unl.edu)

**Website:** [www.nemaha.unl.edu](http://www.nemaha.unl.edu)

Help us save postage & paper . . . If you would prefer to receive this newsletter electronically, please let us know by calling (402) 274-4755 or emailing [nemaha-county@unl.edu](mailto:nemaha-county@unl.edu). If you do not want to receive the newsletter at all, please let us know.  
Thank you



RETURN SERVICE REQUESTED

Courthouse  
1824 N Street, Suite 102  
Auburn, NE 68305-2341

EXTENSION  
INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES  
Nemaha County



PRSR STD  
US POSTAGE  
PAID  
AUBURN NE  
PERMIT NO. 1