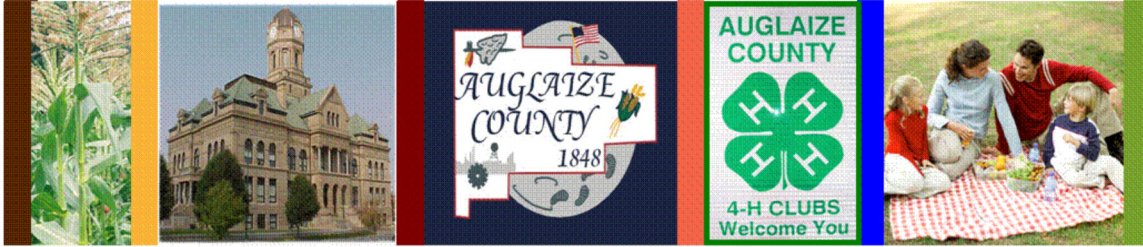


Extension Communicator



January 2019

Special points of interest:

- Agriculture & Natural Resources
- 4-H Youth Development
- Supplemental Nutrition Assistance Program

Agriculture and Natural Resources

Research Projects in 2018

I conducted eleven (11) research trials this past season and monitored six (6) different insects in 2018. The trials included 3 weed management trials, 2 in LibertyLink soybean and the other in Xtend soybean, a sulfur trial in wheat, a late-season nitrogen trial in corn, a long-term cover crop trial, a fungicide timing trial in soybean, 2 foliar feed nutrient trials in soybean, sulfur trial in soybean following corn and sulfur trial in soybean following 2018 wheat application.

Some of the results from the weed control studies are as follows:

- 1) Zidua at 2.5 oz/A controlled the most waterhemp when applied pre-emergence out of all of the Group 15 herbicides applied.
- 2) Fierce XLT at 4.5oz/A controlled more waterhemp than Valor XLT and Valor XLT plus metribuzin in 2018 compared to all being equal in 2017.
- 3) A single post-emergence application of Liberty at 29 fluid ounces per acre following Fierce XLT and Valor XLT plus metribuzin can provide effective control of waterhemp in most instances.
- 4) A single post-emergence application of XtendiMAX at 22 fluid ounces per acre with glyphosate provided very effective control following Fierce XLT and Valor XLT plus metribuzin.
- 5) A total post-emergence application with no pre-emergence herbicide did not provide effective control of waterhemp, so a pre-emergence herbicide is necessary to maximize waterhemp control.

The late season nitrogen trial had 5 treatments, at planting plus sidedressing nitrogen rates were 160, 180, and 231 pounds of nitrogen/A then 140 pounds of nitrogen/A plus 20 pounds of nitrogen applied just before tasseling with a Y-drop system and 140 pounds of nitrogen/A plus 40 pounds of nitrogen applied just before tasseling. There was no yield difference between any of these nitrogen rates. The yields ranged from 218 to 229 bushels/A for the treatments.

Quadris SBX Top was applied at 9 fluid ounces per acre to soybean at the R2 and R3 stage. Almost no diseases were present at the time of the application. Frogeye Leaf Spot came into the trial location later in the season. The Quadris SBX Top applied at R3 had the lowest frogeye leaf spot at 2.2% of leaves having lesions while the R2 application produced 4.8% lesions, and the no

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fungicide caused 11% of leaves with lesions. There was no difference in yield whether the fungicide was applied at R2 or R3, but did improve yields over not having a fungicide application.

The foliar feed product, Soy Foliar LITE, applied at 1 gallon per acre to R3 soybean did not improve yield at two different locations.

Data has not been analyzed for the remainder of the trials.

Communications

I write an agricultural and horticultural column for the newspapers in the county. I prepare an agricultural and horticultural newsletter each week as well. If you do not receive these newsletters and want to, please send me your email address to stachler.1@osu.edu. I also prepare a radio segment called Weed of the Week which is aired on WCSM during Spectrum on Fridays. The radio segment discusses alternative names for the weed, how to identify the weed, what family it belongs to, characteristics of the weed, how to manage the weed, and some interesting facts.

Ag Breakfast

Ag Breakfast is a monthly meeting hosted with the FSA Office. Numerous topics were discussed from September to December. The meetings take place at RJ's Coffey Cup Restaurant in the back room on the third Tuesday of the month at 7:00 a.m. All are welcome.

Fertilizer Applicator Recertification

Commercial fertilizer certificate holders have their certificates expire at the end of September. I hosted a program to train these individuals to renew their fertilizer applicator certification. Three people participated in the program.

Noon Dairy Luncheon Series

Noon Dairy Luncheon Series continues. The first speaker in November was Dr. Mark Hardesty. He talked about Parturition. The December speaker was Dr. Bill Weise. He spoke about managing feed rations in tough times and about managing rations for milk components. Average attendance has been twenty-one (21) people per meeting. The meetings take place on the third Wednesday of each month through March at the New Bremen Pizza Hut.

New Private Applicator Exam Preparation

I offered a program to help people prepare for the private pesticide applicator exam for Core and Category 1. Three people attended. I will offer this program again on March 27, 2019 from 8:30 a.m. to 12:30 p.m.

In addition to these programs, I delivered nine (9) presentations at various meetings.

Research Request

I am looking for cooperators to conduct field research in 2019. I would like to repeat the late-season nitrogen trial and fungicide timing trial. I look forward to hearing from you. If you have other ideas of meaningful research for the county, please let me know at 419-739-6580.

4-H Youth Development

4-H in the Classroom offers Experiential Learning

As teachers and students returned to the classroom this fall, many became enrolled in the 4-H in the Classroom program. Approximately eight hundred (800) students are learning the "4-H Way" with hands-on experiential curriculums. This program offers a variety of curriculums from which teachers can choose. Programs offered include: Life of a Butterfly; Nutrition Lessons; Chick Embryology; and Go Plants!-

a plant science curriculum. In addition, the Cloverbud program is being conducted in kindergarten through second grades throughout the county.

Roller Coaster Science Gives Students a Thrill

Ten (10) classrooms participated in a 4-H in the Classroom project on the science of roller coasters. The program is taught by 4-H staff members, Beth Miller and Lori Now. Students learn about the history of roller coasters, the science involved in making roller coasters work and then have the opportunity to build a roller coaster! The students work in teams to design and build their roller coasters from pipe insulation foam and duct tape. The goal is for marbles to travel from the beginning to the end of the coasters. The 4-H staff also taught this program for fifth graders from Otsego Schools at 4-H Camp Palmer.

Junior Fair Board Starts Planning the 2019 Fair

Members of the 2018 and 2019 Junior Fair Boards met in late December to begin planning for the 2019 fair. Issues and concerns from the 2018 fair were reviewed and rule revisions were made for 2019 fair. Officers were elected for the coming year.

CARTEENS Program Completes 18th Year

The Auglaize Co. 4-H CARTEENS program helped one hundred fifty-five (155) teen drivers learn more about responsible driving and safety on the road. A program conducted in cooperation with the Juvenile Court, their goal is to increase the safety and improve the skills of teen drivers. Peer teen teachers and adult advisors conduct the monthly programs. Teens learn about the hazards of speed, traffic violations and distracted driving and their potential consequences on the road.

Cloverbud Clubs Learned About Recycling

Thirty-five (35) Cloverbud members learned about the importance of protecting our environment by recycling. They participated in activities such as learning about what “trash” you can recycle and playing “recycling” themed games. Taking old newspapers, the members helped to shred and mix the newspapers with water to form bookmarks that they were able to take home.

Supplemental Nutrition Assistance Program Education (SNAP-Ed)

Have you seen our newest CHOP CHOP magazine? It is a seasonal publication provided by the state SNAP-Ed team and distributed throughout Auglaize County and in SNAP-Ed programs. Look for extra copies in the OSU Extension Office. Many teachers and parents have shared about the valuable educational activities and fun recipes in this magazine. Over one thousand three hundred (1,300) magazines have been distributed to kids and adults in Auglaize County. Sign up to receive a monthly newsletter from our social marketing website today: <https://celebrateyourplate.org>

Supplemental Nutrition Assistance Program Education (SNAP-Ed) is a free evidence based program serving low-income families and individuals. The program is designed to teach participants how to select, prepare, and incorporate the five food groups into a healthy diet, use limited resources to plan, purchase, and prepare food for the family, and to be physically active every day. Community partnerships are essential for our program success. West Ohio Community Action Partnership, Head Start, Auglaize County Educational Service Center, Blume Alumni Apartments, Wapakoneta Village Apartments, Cridersville Elementary Preschool, Agape Ministries, and ChKiLo Food Pantry are current ongoing partnerships that support SNAP-Ed in Auglaize County. Thank you! Contact Sarah if interested in more information about SNAP-Ed.

SNAP-Ed is federally funded by a grant from the USDA Food and Nutrition Service, administered by the Office of the Department of Job and Family Services, and serviced through Ohio State University Extension. SNAP-Ed is primarily offered in Auglaize County, and because of increased grant funds is also available in Mercer County by this program assistant. SNAP-Ed strives to reach people of all ages who receive or are eligible to receive food assistance benefits.

OSU Extension Staff

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	<p>Lori Now Extension Program Assistant</p>
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