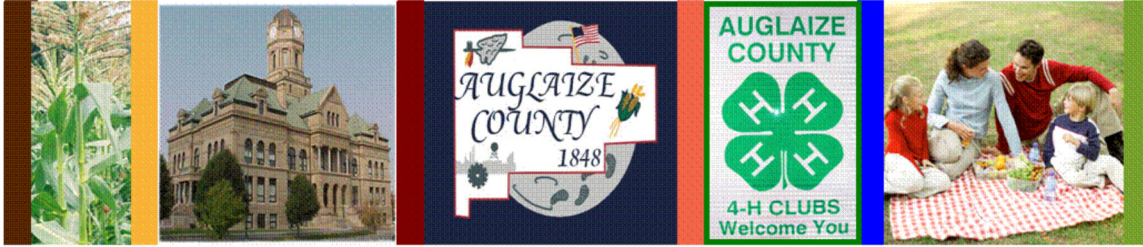


Extension Communicator



January 2020

Agriculture and Natural Resources

Special points of interest:

- Agriculture & Natural Resources
- 4-H Youth Development

Ag Breakfast

This is a monthly meeting lead by FSA and OSU Extension. Topics discussed at this meeting were Rules of the Road, FSA and OSU Extension Updates and roundtable discussion, Ag Technology, and the yearly planning meeting. Average attendance was 16 people/meeting. The meetings take place at the R.J. Coffey Cup in the back room every third Tuesday of the month at 7:00 AM.

Waterhemp Management

I hosted two field days at one of my waterhemp research sites. I showed the participants the plots and discussed strategies to managing waterhemp. Total attendance was 12 people.

Dairy Luncheon Series

I hosted the Dairy Luncheon Series in November and December at the New Bremen Pizza Hut. Topics included Dairy Cattle Welfare Principles and Managing the Stored Forage in 2020. Meeting occur on the third Wednesday from November to March, starting at 11:30 for lunch and 12:00 for program. Total attendance was 24 people.

Pesticide Applicator Exam Preparation course

I hosted a meeting to prepare people to pass the pesticide applicator exam on December 5, 2019. There were 4 people that participated and then ODA was in to offer the exams the following week. Four people participated in this program.

In addition to these programs I spoke at 2 other meetings and gave a presentation in China during my trip there.

Research Update

Important!! I am looking for cooperators to conduct field research in 2020. 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 by calling me at 419-739-6580.

Results from the seven waterhemp research trials from this summer include:

Auglaize County Office

208 S. Blackhoof Street
Wapakoneta, Ohio 45895

Phone: 419-739-6580
Fax: 419-739-6581

Website:
<http://auglaize.osu.edu>



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1. Authority Supreme at 8 fluid ounces per acre controlled more waterhemp than Fierce XLT and Valor.
2. Glufosinate (34 fluid ounce per acre) or glyphosate (1.125 pounds acid equivalent per acre) plus Enlist One {2,4-D choline} (32 fluid ounces per acre) usually controlled more waterhemp the glufosinate and glyphosate applied alone.
3. Spartan (8 fluid ounces per acre) alone controlled more waterhemp than metribuzin (8 ounces per acre), Zidua (2.5 ounces per acre), Dual II Magnum (1.5 pints per acre), and Warrant (1.5 quarts per acre) applied alone.
4. The best treatment at both sites in the multiple preemergence trial was the application of glufosinate (32 fluid ounces per acre) following a preemergence of Spartan plus Zidua, plus metribuzin, but not enough improvement to be economical.
5. Zidua (2.5 ounces per acre) applied preemergence controlled more waterhemp than Dual II Magnum (1.5 pint per acre), Parallel (1.47 pint per acre) Warrant (1.5 quart per acre) and Outlook (18 fluid ounces per acre)

Communications Update

I write a weekly agricultural and horticultural column for the Evening Leader and the Wapakoneta Daily News. I prepare an agricultural and horticultural newsletter each week as well. I also forward the statewide Beef Newsletter. If you do not receive these newsletters, but would like to receive them, please send me your e-mail address to stacher.1@osu.edu. I also prepare a radio segment aired on WCSM during Spectrum on Fridays called the Weed of the Week. 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.

4-H Youth Development

4-H in the Classroom offers Experiential Learning

As teachers and students returned to the classroom this fall, many become enrolled in the 4-H in the Classroom program. Approximately 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, 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

Eleven 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.

Junior Fair Board Starts Planning the 2020 Fair

Members of the 2019 and 2020 Junior Fair Boards met in late December to begin planning for the 2020 fair. Issues and concerns from the 2019 fair were reviewed and rules revisions were made for 2020 fair. Officers were elected for the coming year: President - Howie Spencer, Vice President - Ally Ott, Secretary - Lucy Spencer, Treasurer - Amanda Schultz, Assistant Secretary/Treasurer - Zach Hesse, News Reporters - Ethan Aufderhaar and Courtney Nuss, Executive Committee members - Hannah Kramer, Sam Wagner and Morgan Leffel.

CARTEENS

The Auglaize Co. 4-H CARTEENS program helped 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. One hundred thirty-four teens learned about the hazards of speed, traffic violations and distracted driving and their potential consequences on the road.

STEAM on the Quad

What makes a rainbow? Participants in the STEAM on the Quad at OSU Lima made a rainbow! This family friendly free event helps children explore different aspects of science and technology. 4-H staff Beth Miller and Lori Now helped participants learn about rainbows by constructing a rainbow suncatcher and experimenting with prisms. Over 300 families attended the event.

OSU Extension Staff

<p>Elizabeth M. Miller Extension Educator 4-H Youth Development</p>	<p>Jeff Stachler Extension Educator Agriculture & Natural Resources</p>
<p>Maryann Andrews Extension Office Associate</p>	<p>Lori Now Extension Program Assistant</p>
<p>Sarah Amelung Extension Program Assistant, SNAP-Ed</p>	



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