



**4-H and Adult Livestock**

*Megan Jedlicka*



**Inside this issue:**

4-H/Livestock	1
Family & Consumer Science	2
Horticulture/4-H	3-4
Cropping & Natural Resources	5-6

# Quarterly Report



**4-H and Youth Programming.** Visited five elementary schools with IFYE presenter that traveled to Germany and Greece to share her experiences abroad and let the students know about the 4-H program. 460 Logan County youth heard the presentation and learned about different cultures.

Held three Cloverbud meetings during the first three months. There are 25 members this year. They did science experiments with candy, participated in Cloverbud Olympics and planted a spring garden.

Brian and I presented “4-H 101 Parent’s Night” for first year families to orient them to the 4-H program and make their first year less overwhelming and a more positive experience.

Submitted a proposal to present a Program Seminar at National Association of Extension 4-H Agents in October; seminar was selected.

As a co-leader of the 4-H Projects and Curriculum Work Team, worked to keep our subcommittees on track for their goals and evaluated materials.

**Livestock.** Judged Catch-A-Calf record books at National Western Stock Show.

Weighed in and retinal scanned 67 market beef animals for the Logan County Fair.

In planning stages with agents throughout GPA and Logan/Morgan Counties for “Ag Fest” which will be held in the spring for area 5th graders to learn about the agriculture and science behind the food they eat every day. Megan will be conducting a dairy station.

Planning with area agents for Beef, Sheep, Goat, Swine, Rabbit and Poultry Showmanship Camps for 4-H members to learn more about their projects.

Presented two programs of a three-part series of Livestock Nutrition Program; one for beef nutrition and one for swine, sheep and goat nutrition. Thirty 4-H members and parents attended.

Attended the Livestock Task Force meeting to work with staff across Colorado on livestock issues and upcoming shows.

Attending webinars and meetings to stay up-to-date on the Porcine Epidemic Diarrhea Virus (PEDv) to educate producers.

Presented a Nutrition Workshop for 42 Proctor Peppers 4-H members.

As a Co-Leader of the Livestock and Range Work Team, worked to develop our Program Reporting Unit for the coming year and represent the team at Program Leadership Team meeting.

**Family  
and  
Consumer  
Science**

**4-H and FCS**

*Linda Dettmer*

**Family and Consumer Science.** Continued to help present and coordinate, Super Tasters/Mighty Movers, (a research program developed by CSU's foods and nutrition department). Linda coordinated this year's "Booster" program with CSU staff. She presented the program to two 1st grade classrooms at Ayres Elementary in January reaching 45 youth, 62 youth in February and 65 youth in March with CSU graduate students. A total of 136 youth were reached each month with this program.

Seven participants were enrolled in "A Healthier Weigh" in Logan County. Recorded radio program and prepared news release to market this program

Fifteen participants participated in twice each week for 12 weeks in Strong Women Stay Healthy. Volunteers, Cindy Pilkington and Gerry Guerin led this activity. This 12 week program helps participants become physically active and engages them in regular strengthening exercises to prevent osteoporosis and build strength by stimulating the growth of muscle and bone tissue.

Diabetes Programming. Hosted planning meeting for Diabetes Support Group in January.

Piloted GROW-HEAL Mapping Project in Fleming in coordination with Colorado State and Oregon State Extension. The purpose of this program is to look at the community environment that makes it easy (or hard) for children and families to eat healthy and be active. Three community meetings were held in 2013. The "Community Report" was shared with Fleming residents in January with 16 attending.

Prepared publicity for Farm Estate and Transition Planning Workshop to be offered in Sterling at end of March.

Presented 54321+8 Program for Foster Parents Group in March with 10 attending. 54321+8 is a program on daily health habits for adults to follow including eating 5 fruits and vegetables, drinking 4 glasses of water, laughing 3 times each day, minus 2 hours of "screen time", 1 hour of physical activity, and getting 8 hours of sleep. They learned about increasing activity (exercise), selecting healthy foods, portion control, the importance of drinking water and ways to reduce stress.

Prepared articles for the Logan County Homemakers monthly newsletter on nutrition, health and ways to save money. Prepared news articles for columns in Journal Advocate; 13 focusing on "Fun with Food" and three others: Pick the Right Flour, Sugar Do's and Don'ts, and Helpful Hints for Eating Nutrient-rich". Contributed articles to the Regional FCS Newsletter.

**4-H and FCS.** Contributed articles to 4-H newsletter and answered project questions. Contacted judges and superintendents in preparation for the 2014 Logan County Fair.

Visited five elementary schools with IFYE presenter that traveled to Germany and Greece to share her experiences abroad and let the students know about the 4-H program.

**4-H and Youth Development.** Brian submitted a grant in 2013 to the NRA. He has received \$3,274.79 in funding from that grant and will use the funds to help the Logan County 4-H Shooting Sports program.

Presented an outdoor skills class to seven youth. Throughout the evening youth tried knot tying, learned how to build a campfire, use compass navigation through the office and learned how to use GPS units.

Two 4-H members attended the Leadership Development Conference in Denver. These youth participated in think tank discussions which included learning about bullying, doing community service projects and learning about leadership qualities.

Accompanied the 4-H dog members to the Rocky Mountain Cluster Dog Show. This show had some of the top dogs in the country competing. Youth watched experienced dog exhibitors show dogs in agility, obedience and showmanship classes.

Organized the Logan and Morgan Counties Talent Festival held at Sterling Middle School. Twenty-five youth participated in 15 great performances ranging from solo vocals to club skits.

As co-chair of the state 4-H general and natural resource curriculum committee, Brian oversaw my sub-committees and laid out deadlines for the year.

Took two Sterling First Tech Challenge teams to the Northeastern Colorado Qualifier in Windsor Colorado. These two teams did very well with one in 6<sup>th</sup> place and the other in 16<sup>th</sup> out of 24 teams. The teams learned a lot about programming and are looking forward to competing at a higher level next year.

## Horticulture and 4-H Youth

*Brian Kailey*



## Horticulture and 4-H Youth

*Brian Kailey*



Coordinated International Four-H Youth Exchange (IFYE) visits throughout Logan County for two IFYE delegates. Between these two delegates they traveled to Germany, Greece, Norway and the United Kingdoms. They shared their experiences with 515 youth and adults.

**Horticulture.** LeeAnn and Brian operated the seedling tree program through the CSU Forest Service; we are distributing over 6,000 trees, to 54 customers with the help of 4-H members on April 7.

Presented “Companion Gardening” to nine enthusiastic gardeners. Companion Gardening is the art of planting vegetables, flowers, herbs and shrubs/forbs next to one another to help produce better fruit.

Working with Monsanto and Syngenta on a Junior Crop Show for the Logan County Fair. This program will offer 150 youth the chance to try their green thumb out. On March 27, 98 youth were introduced to crop production and took home a packet of seeds containing sweet corn, early and late maturing hybrid corn, soybeans, sugar beets and sunflowers. Youth are to grow these crops and then enter them at the Logan County Fair Junior Crop Show. The remaining packets will be handed out on a first come basis at the Extension Office.

## Cropping and Natural Resources

*Bruce Bosley*

Presided over the county wheat officer elections for Logan (59) and Morgan (36) Counties. The program was hosted by this crop's Administrative Committee and Growers.

Gave several talks in early 2014. The first was on Christmas Bird Counts and Birding in

Northeast Colorado for Sterling's Rotary Club (26). Gave two talks on Plant Diseases at the Colorado Conservation Tillage Association annual meeting in Burlington (67). Gave a talk on how to make homebrewed ales and wines at a Joy of Foods program in Loveland and included the reasons why people brew these beverages (29). Spoke at a pesticide applicator program in Yuma on crop diseases. Twenty four commercial applicators participated so they would qualify to renew their applicator licenses.

Assisted with and provided a discussion at the Akron USDA-ARS Research Station (41). Represented the Morgan Extension Office at the Morgan Conservation District's annual meeting. Jim Yahn provided the keynote speech on water rights and issues in agriculture (55).

Hosted an AgrAbility workshop for farm producers with disabilities (16) in Ft. Morgan. This program received CSU Extension's Team Award for Excellence in 2011. People learned about organizations that provide assistance for farmers and ranchers with disabilities as well as equipment that can assist regular work at their homes and businesses.

Served as the facilitator of a USDA-FSA/NRCS meeting on the use of cover crops rotation systems to enhance soil health and increase organic matter (43).

Farmers and ranchers attended two area Private Applicator Recertification Workshops held in Ft. Morgan (11) and Sterling (35). Thia Walker, CSU Extension Pesticide Education Specialist, provided the instruction. These programs enabled the attendees to qualify for recertification to purchase and use restricted-use pesticides as authorized by Colorado's Pesticide Applicator Program. Evaluations at these events showed....

Did we meet your expectations? completely-81%, somewhat-19%.

Will you use knowledge gained in the next 6 months? yes-55%, no-17%, maybe-28%.

Will you share your knowledge gained with others? no one-3%, 1 to 3-82%, 3-15%.

Matched landowners having flood damaged fences or debris needing clean-up with volunteers from the Federation of Christian Farmers International. To date they've helped rebuild fences on farms of two Morgan County landowners and have plans for assisting three more in Logan County.





In March, Bruce gave two presentations for farmers and their crop advisors on managing alfalfa insect, weed, disease pests and environmental stresses. There were a total of 76 people attending the program in Sterling and 53 people attending the program in Greeley. GM Implement Company hosted these two programs. They also paid travel expenses.

Bruce has taken the lead in helping Extension Agents and Specialists remove stored pesticides from several extension sites in northeastern Colorado. To accomplish this, Bruce has taken and passed the testing required by Colorado State University's Environmental Health Services Office and have been certified as a Qualified Hazardous Materials Handler. Collected all pesticides for disposal at the EPA's Pesticide Storage Shed at the Akron Airport. Gathered over 1000 lbs. of pesticides with an adjuvant numbering 185 separate containers. Will apply a CSU hazmat label to each container. A CSU licensed company will come out to collect all the pesticides later this spring.

As a result of this issue, Bruce is working with Thia Walker, CSU's Pesticide Education Specialist and Fran Peairs, Field Crop Entomology Specialist to draft a pesticide use and storage policy to be presented for adoption at the May Extension Director's Advisory Council meeting. We understand the need for Extension Agents and Specialists being involved in pesticide testing for new experimental products as well as efficacy of currently labeled products; however, we need to make sure that extension faculty have a plan for discarding old pesticides in an approved fashion, minimize the long term storage of pesticides, and meet the safety standards for pesticide storage and worker protection requirements of the Environmental Protection Agency and Colorado Department of Agriculture's Pesticide Subdivision.

Purchased a weigh wagon using CSU crops testing funds. This trailer will be used for collaborative on-farm wheat trials this summer. It will also serve in helping farmer and ag industry cooperators do comparative evaluations for fertilizer, crop varieties, and cover crop rotation impacts.

Teaching field scouting techniques for pest and other crop problem troubleshooting. It appears that army cutworms are at unusually high numbers this year. They can significantly reduce wheat and alfalfa yields as well as cause serious stand reduction on sugar beets if not controlled. These cutworms are the juvenile stage of miller moths. High cutworm populations which can result in a very large miller moth flight in May and June.

## A note from the County Director-Janice Dixon



We're on the Web:

[www.extension.colostate.edu/logan](http://www.extension.colostate.edu/logan)

Colorado State University, U.S. Department of Agriculture and Colorado counties cooperating. Extension programs are available to all without discrimination. The information given herein is supplied with the understanding that no discrimination is intended and no endorsement by Colorado State University is implied.

On April 30 from 2-4 pm at the Extension Office, Logan County Extension Staff will host a retirement party for Linda Dettmer who has spent the last five years as our teammate and co-worker at the Logan County Extension Office. Join us as we wish her and Bryce the very best in their next endeavor. We appreciate her contributions to our staff and the Logan County communities.

2014 marks the 100th year of extension in the United States. The Smith-Lever Act of 1914 created extension. A presentation was created highlighting the past, present and possible future efforts of extension. Logan/Morgan and the GPA are working with the publisher of the Journal Advocate to place a tabloid in the northeastern Colorado papers in May to honor the contributions of extension over the past 100 years in northeastern Colorado and look at the future of extension programming.