



THE UNIVERSITY OF ARIZONA
COLLEGE OF AGRICULTURE & LIFE SCIENCES

Cooperative Extension



CLOVER COMMUNICATOR YAVAPAI COUNTY 4-H NEWS JANUARY 2020

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You may view a color copy of this
newsletter online at:

[http://extension.arizona.edu/4-H/
yavapai](http://extension.arizona.edu/4-H/yavapai)

Stacy DeVeau
4-H/STEM
Program Coordinator, Sr.

Shirley Vasovski
4-H Club Program Coordinator

Administrative Associate



January 6	EXPO Online Entries Due by Midnight for Market Swine, Sheep and Goat
January 11	Market Tagging - Market Swine, Sheep, Goat and Small Stock
January 11	Statewide Market Lamb and Meat Goat Rookie Camp - Waddell, AZ
January 14	EXPO Meeting, 6:00 PM - Shelby Hansen Room
January 18 - 19	Colorado River Small Stock Show - Parker
January 25 - 26	Next Level Livestock Camp - Show Pig Camp - Buckeye
February 1	4-H Horse ID Deadline
February 1- 2	Archery Family Fun Shoot & Campout - Gardner Canyon, Coronado National Forest
February 8	2020 Arizona 4-H State Dog Show, Tucson
February 10	Online Entry Deadline for EXPO Indoor, Dog, Dairy & Breeding
February 11	EXPO Meeting, 6:00 PM - Shelby Hansen Room
February 17	2020 Arizona 4-H Youth Foundation Scholarship Application Deadline to state Foundation Office
February 8 - 9	Next Level Livestock Camp - Show Goat Camp - Buckeye



Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Jeffrey C. Silvertooth, Associate Dean & Director, Extension & Economic Development, Division of Agriculture, Life and Veterinary Sciences, and Cooperative Extension, The University of Arizona. The University of Arizona is an equal opportunity, affirmative action institution. The University does not discriminate on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, or genetic information in its programs and activities.

IMPORTANT LINKS



Angela Ferguson
Traci Deubler

January 4
January 27

Camp Verde Cowboys
Chino Valley Breakaway Latigos

Colorado River Small Stock Show

A Statewide 4-H Small Stock Show Sponsored by La Paz, Mohave & Yavapai Counties

Dates: Saturday & Sunday, January 18 & 19, 2020

Registration open: Sat. 8AM - 10:30AM

Location: Parker

This will be a carrying case show, open to all 4-H members who will be age 8 - 18 by January 1, 2020, and are enrolled in Rabbit, Poultry, Pigeon and Cavy. All animals must be tattooed, tagged or banded.

[Click here for Entry Forms and additional information](#)

SHOWMANSHIP CONTEST in Rabbits, Poultry, Pigeon and Cavy for Sr., Jr. members. Arizona 4-H Showmanship standards will be used. A Round-Robin Championship will be held following the contest. Required attire for both days (4-H Showmanship Dress; long sleeved buttoned shirt, closed toed shoes, clean and presentable, club / vests are acceptable)

BREED SHOW ARBA Judges (Rabbit & Cavy) Best of Variety, Blue, Red, and White Ribbons to be awarded. Best of Breed / Best Opposite Sex Rosettes to :top 15 breeds of Rabbits :top 12 classes of Poultry/ Waterfowl :top 5 breeds of Pigeon: top 6 Breeds of Cavy. Animals may be shown by the 4-H owner or a 4-H assistant in conformation classes.

JUDGING CONTEST in Rabbit, Poultry, Waterfowl, Pigeon and Cavy; awards to top placing, Jr., and Sr. individuals. Quizzes derived from Arizona 4-H accepted curriculum.

QUIZ BOWL. County or club teams contest of knowledge. Teams will consist of four (4) members. Separate contests for Rabbit, Poultry, Pigeon and Cavy. Round Robin Quiz Bowl contest will follow. Questions will be taken from Arizona 4-H accepted curriculum, ARBA, APA Standard Books, ARBA Guide book. Members may be on one team only.

ENTRIES: Mail to:
MOHAVE COUNTY COOPERATIVE EXTENSION
Attn: COLORADO RIVER 4-H SMALL STOCK SHOW
101 E. Beale St. Ste A Kingman, Arizona 86401-5827
PHONE: (928) 445-6590 Yavapai

ENTRY FEE: \$3.00 per animal (Advanced entries are encouraged) Prior to January 1. \$5.00 per animal if Postmarked between January 1 and January 10th. \$6.00 DAY OF SHOW & postmarked after January 10. An animal entry will also enter you in showmanship & judging for that project. If entering Showmanship or Judging Contest ONLY, \$3.00 per project (advanced) \$5.00, and \$6.00 Day of Show.

SALE OR TRADE: Bring your extra stock and/or equipment to sell or trade. (Limited to Exhibitors Only) *
RAFFLES: Will be held to defray part of the show costs. Each club is asked to donate one or more raffle items. No live animals, please.

Save the date

2020 Arizona 4-H State Dog Show

February 8, 2020

Hosted by Pima and Gila County
UA Cooperative Extension



University of Arizona Campus Agricultural Center

4101 N Campbell Ave, Tucson, AZ 85719

Show begins at 8:30 a.m.

Setup and Registration at 7:30 a.m.

***Proof of Current Vaccinations Required Prior to Attending Show
(Rabies, DHPP, & Bordetella)***

Registration Details & Accommodations Coming Soon

Tentatively Scheduled Events:

Obedience * Showmanship * Rally * Agility

*Quiz Bowl * Dogology * Costume Contest

Concessions All Day

Dinner on Saturday 2/8/20 (after event)

Questions: Renee Carstens rcarstens@email.arizona.edu 928-978-8511

Ashley Jeffers-Samples ajefferssample@email.arizona.edu 928-205-3978

Bioenergy Activity



Where Does Bioenergy Come From?

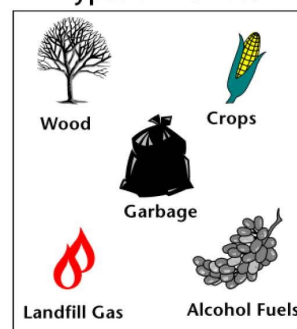
Biomass — Renewable Energy from Plants and Animals: Biomass is organic material made from plants and animals (microorganisms). Biomass contains stored energy from the sun. Plants absorb the sun's energy in a process called photosynthesis. The chemical energy in plants gets passed on to animals and people that eat them.

Biomass is a renewable energy source because we can always grow more trees and crops, and waste will always exist. Some examples of biomass fuels are wood, crops, manure, and some garbage.

When burned, the chemical energy in biomass is released as heat. If you have a fireplace, the wood you burn in it is a biomass fuel. Wood waste or garbage can be burned to produce steam for making electricity, or to provide heat to industries and homes.

source: http://www.eia.gov/kids/energy.cfm?page=biomass_home-basics

Types of Biomass



Introduction: Now more than ever, the energy to run cars, generate electricity, and power about anything is coming from a variety of energy sources. One type of energy is called bioenergy. Bioenergy is a renewable source of energy that is produced from plants and animals. Unlike bioenergy, fossil fuels, such as crude oil and coal, are not renewable because it takes millions of years for these fuels to form. Bioenergy comes from many types of sources, including corn. This Click It and Print It activity will be part of the 4-H Cloverbud Bioenergy Curriculum that will be available in early 2013.

Instructions: Read the story to the 4-H Cloverbuds titled, *The Tale of Johnny Energy Seed* (from the U.S. Department of Energy). Ask the children if they know of any other similar short stories that they might like to share.

Application: The story highlights one example of how corn can be a source of bioenergy. What are other sources of bioenergy? Some include soybeans, switchgrass, sugar cane, algae, and used vegetable oil. For more fun activities visit the Energy Kids site at: <http://www.eia.gov/kids/energy.cfm?page=1>

Scott D. Scheer, Ph.D.
State Extension Specialist, Preadolescent Education,
4-H Youth Development, The Ohio State University.



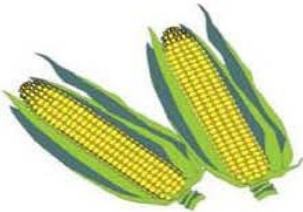
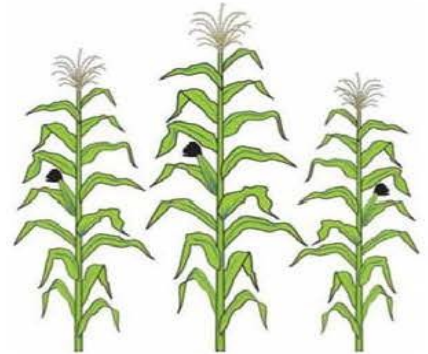
4-H Cloverbuds
OHIO STATE UNIVERSITY EXTENSION

The Tale of Johnny Energy Seed



I'm Johnny Energy Seed. I plant energy seeds in a big field on my farm.

The sun shines. There is energy in the sun's rays. It helps my seeds grow into tall plants. My plants store the sun's energy in their roots, stalks, leaves and ears. Soon my energy plants look like this.



I can use the energy in my plants for many things. I can eat the seeds for energy for my body. This energy will help me grow and move and think.

I can feed my energy plants to my chickens, pigs, cows and horses. The energy will make my animals grow big and strong.

I can hang my energy plants in my barn to dry. Then I can burn them in my fireplace. The energy in my plants can keep me warm on cold winter nights.



I can put my energy plants into a big container that keeps out the air. As my plants decay, they can make a gas that I can burn in my stove to cook my food.



I can also turn my energy plants into fuel for my tractor. I turn them into alcohol, like grapes are turned into wine. This alcohol fuel, called **ethanol**, can run my tractor.

As you can see, a seed of corn really is an energy seed. Why don't you plant some corn seeds and explore the ways you can use the energy in the plants you grow.



Source: http://www.eia.gov/kids/resources/teachers/pdfs/Activitybook_web.pdf
(Permission to use granted by U.S. Energy Information Administration)



4-H Cloverbuds
OHIO STATE UNIVERSITY EXTENSION

Selection and Judging

So, You Think a Goat Is for You

Is a goat for you? Goats can make great project animals, but are not perfect for everyone. Owning an animal is a big job. Everyone in your family will have to help. If you join a group with other goat owners, you will learn about goats and get to know other people who like goats. This activity will help you decide if a goat is right for you!

Goat to it!

Before getting your first goat or adding goats to your herd, give yourself this quiz. It will help you know if you are ready for a goat. Talk over the answers with your helper or group.

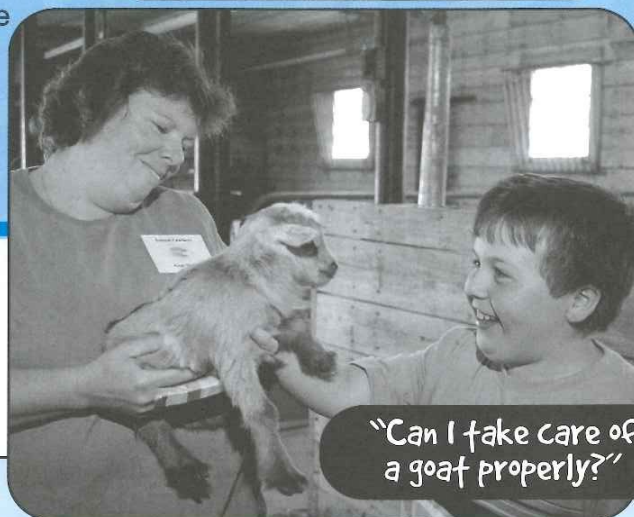
A Quick Quiz

1. Why do I want to raise a goat?
2. What do I want to learn from raising a goat?
3. Who are the people in my area who raise goats and can help me?
4. How much time do I have to care for a goat?
5. What housing do I have for my goats?
6. Where can I buy *feed* and supplies?
7. Is it legal for me to keep a goat where I live?

Test your goat knowledge!

Now you have decided that you would like to own a goat, but what do you know about them? Use the matching activity on the next page to test your goat knowledge. If you don't know the answer, do a little research on "Dairy Goat Project Online."

Dairy Goat Skill:	Investigating goat ownership
Life Skill:	Decision making
Education Standard:	NS.K-4.3: Life Science: Organisms and environments
Success Indicator:	Describes what is needed to care for a goat.



"Can I take care of a goat properly?"



Match 'em up!

Place the correct letter by the question.

- | | |
|--|---|
| _____ 1. How often is a dairy goat milked? | A. A clean, safe shed or barn |
| _____ 2. What kind of feed could a dairy goat eat? | B. Farmers, feed mill or farm store |
| _____ 3. What kind of housing does a goat need? | C. Electric fence or woven wire fence four feet high |
| _____ 4. How is goat milk used? | D. Clean, dry straw |
| _____ 5. Grain is available from ... | E. Good quality hay or grass and water |
| _____ 6. What should goats sleep on? | F. Twice a day (every 12 hours) |
| _____ 7. How would you keep a goat fenced in? | G. Veterinarian |
| _____ 8. A goat eats feed and ... | H. Drink it, sell it, or make cheese or butter |
| _____ 9. Who would you call when a goat gets sick? | I. From a respected breeder |
| _____ 10. Where do you buy a goat? | J. 16% protein dairy feed |

Ruminations

Discuss the answers to these questions with your helper.

Say Cheese! (Share what you did)

- What do you know about goats?
- Where and how did you find answers to the questions?

The Buck Stops Here (Process what's important)

- What's most important to you about raising goats?
- What will you have to do to get ready to have a goat and care for it?

Spread It Around (Generalize to your life)

- Why is it good to ask yourself many questions before making a decision?
- When was another time you gathered information before making a decision?

Browse For More (Apply what you learned)

- How can you use what you learned to help you set your goat project goals?
- The next time you make a decision, what will you do differently?

Why cool facts

Goats Are Great!

The goat project has something to offer nearly everyone! Most goats can be handled with ease by most youth. Also, dairy goats need little space compared to horses and cows. Goats' personalities make them ideal for youth project animals. Ask your county 4-H staff how you can learn about goats.

Goats can be used for many purposes:

- | | | |
|--------------------------|---------|------------------|
| • Dairy | • Fiber | • Breeding stock |
| • Meat | • Pet | • Packing |
| • Weed and brush control | • Draft | |

Costs

It's hard to say how much your dairy goat project will cost you each year. You may have to buy your animal, its feed and supplies, but sometimes someone may be willing to give or loan you what you need. To care for a goat properly, you need equipment such as a collar, hoof trimmers, milking bucket, grooming supplies, bottles for kids, disbudding iron, banders and more. Your goat will also need certain medicines and shots. All goats need hay or grass, minerals, vitamins and water to stay healthy and most need grain, too. Make sure to create a yearly budget for your goat project.

If you can give a goat everything it needs to be safe and healthy, then maybe a goat is for you!

Udder Ideas

1. Read a book about goats and share what you learned with your helper or family member.
2. Contact at least two breed associations for information (see page 36). Share what you learned with your group or family.
3. Talk to someone in your area who already owns goats and find out why they decided to raise them.