



## UPCOMING EVENTS

**Women In Ag Conference**  
November 4-5, 2016

**Volunteer Leader Weekend**  
November 5, 2016  
WVU Jackson's Mill

**4-H First Lego League Qualifying  
Tournament**  
November 12, 2016  
WVU Jackson's Mill

**International Education Week**  
November 14-18, 2016

**Thanksgiving Day**  
November 24, 2016

**National 4-H Congress**  
November, 25-29, 2016  
Atlanta, GA

**WVU 4-H Basketball Day**  
December 1, 2016  
WVU Coliseum  
Morgantown

**2016 Beef Bowl**  
December 2, 2016  
Stonewall Resort

**Wayne Co. 4-H Air Rifle  
Invitational**  
January 7, 2017

**Livestock Nutrition & FDA  
Veterinary Feed Directive**  
January 17, 2017 - 6:30 pm  
Roane Co. H. S. Vo-Ag Dept.

**Dinner Meeting  
Parasite Control**  
January 25, 2017 - 6:30 pm  
Jackson Co. Extension Office

**WV Science Bowl Regional**  
February 3-4, 2017  
WVU - Mountainlair  
Morgantown

**Dinner Meeting  
Fencing**  
February 21, 2017 - 6:30 pm  
Roane Co. H. S. Vo-Ag Dept.

**Dinner Meeting  
Pasture & Hay Weed Control**  
March 21, 2017 - 6:30 pm  
Roane Co. H. S. Vo-Ag Dept.

# Roane County Extension Service

NOVEMBER/DECEMBER 2016 NEWSLETTER

## 2016 Roane County 4-H & FFA Youth Livestock Show Results

### Market Goat Light Weight Division

1st place- Emily Stotts -Country Roads 4-H  
2nd place-Kaydence Steele -Walton 4-H  
3rd place-Lacy Mitchell - Country Roads 4-H

### Market Goat Medium Weight Division

1st place- Megan Casto - Reedy Lucky 4-H  
2nd place- Kallie McCutcheon - Country Roads  
3rd place- Levi McCune - Reedy Lucky 4-H

### Market Goat Heavy Weight Division

1st place- Ava Craddock-Country Roads 4-H  
2nd place- Ashley Carpenter - FFA  
3rd place- Gwendolyn Ward-Country Roads 4-H

### Grand Champion Market Goat

Ava Craddock-Country Roads 4-H

### Reserve Champion Market Goat

Ashley Carpenter - FFA

### Heifer Light Weight Division

1st Place-Hailee Conley - Country Roads 4-H  
2nd Place- Graci Engle- Country Roads 4-H  
3rd Place- Gabby Engle- Country Roads 4-H

### Heifer Medium Weight Division

1st Place- Moriah Cale-Reedy Lucky 4-H  
2nd Place- Wesley Mealey - FFA  
3rd Place-Joel Hofstad-Spencer Challengers 4-H

### Heifer Heavy Weight Division

1st Place-Jeb Painter-Walton 4-H  
2nd Place- Tyson Watson - Grace Rise & Shine  
3rd Place- Jack Goodson - Reedy Lucky 4-H

### Grand Champion Heifer

Moriah Cale-Reedy Lucky 4-H

### Reserve Champion Heifer

Jeb Painter-Walton 4-H

### Steer Light Weight Division

1st Place-Levi Webb- Spencer Challengers 4-H  
2nd Place-Luke Smith - Walton 4-H  
3rd Place-Dustin Strickland - FFA

### Steer Medium Weight Division

1st Place- AJ Cale - Reedy Lucky 4-H  
2nd Place-Garrett Keen-S. Roane Trailblazers  
3rd Place-Ashlyn Spears -FFA

### Steer Heavy Weight Division

1st Place-Chase Webb-Spencer Challengers 4-H  
2nd Place- JD Painter - Walton 4-H  
3rd Place- Abigail Evans - FFA

### Grand Champion Steer

Chase Webb - Spencer Challengers 4-H

### Reserve Champion Heifer

JD Painter - Walton 4-H

### Market Lamb Light Weight Division

1st Place- Dylan Dobbins-Reedy Lucky 4-H  
2nd Place-Stephanie Ashley-Grace Rise & Shine  
3rd Place-Emily Huffman - Reedy Lucky 4-H

### Market Lamb Medium Weight Division

1st Place- Katie Cummings-Country Roads 4-H  
2nd Place- Caroline Greenleaf- FFA  
3rd Place-Emily Dobbins - Reedy Lucky 4-H

### Market Lamb Heavy Weight Division

1st Place- Chelsie Dobbins - Reedy Lucky 4-H  
2nd Place-Kelly Sampson - FFA  
3rd Place-Kayla Rhodes-FFA

### Grand Champion Market Lamb

Katie Cummings-Country Roads 4-H

### Reserve Champion Market Lamb

Chelsie Dobbins - Reedy Lucky 4-H

### Market Hog Light Weight Division

1st Place- Christopher Carpenter-FFA  
2nd Place-Garrett Simon-Spencer Challengers  
3rd Place- Savannah Mounts - FFA

### Market Hog Medium Weight Division

1st Place- Jade Hughes-Spencer Challengers 4-H  
2nd Place- Grayson Watson-FFA  
3rd Place- TJ Freeland - Reedy Lucky 4-H

### Market Hog Heavy Weight Division

1st Place- Amanda Lowe - Walton 4-H  
2nd Place- Marshall Rexroad - FFA  
3rd Place- Aaron Simon -FFA

### Grand Champion Market Hog

Amanda Lowe - Walton 4-H

### Reserve Champion Market Hog

Marshall Rexroad - FFA

## SAVE THE DATE

### 2017 Wayne County 4-H Air Rifle Invitational



This annual event will be held on **Saturday January 7, 2017**. Registration opens at 8:30 a.m. with the event starting at 9:00 a.m. The cost is \$5 per person or \$20 for a team of four. Make checks payable to *Wayne County 4-H Shooting Sports*. The entry fee pays for awards at the invitational. The invitational is sponsored by the Wayne County 4-H Shooting Sports Program.

This 4-H event is open to all county Senior and Junior youth. Senior contestants must have passed their 14th birthday and may not have passed their 19th birthday as of January 1, 2017. Junior contestants must not have passed their 14th birthday on or before January 1 of the current 4-H year. Both Senior and Junior Teams are composed of 3 or 4 individuals. The high three scores for the day will count toward the team score. If there are 4 members to a team, the low score for the day will be dropped.

## Daylight Saving Ends



Sunday, November 6, 2016  
Don't Forget to Set Your Clocks Back

## SAVE THE DATE

### Livestock Nutrition & FDA Veterinary Feed Directive by Neil Bumgarner of Cargill



Tuesday, January 17, 2017  
6:30 pm

Roane County High School Vo-Ag Dept.



## You're Invited!

### Please Join Us at the 2016 Roane County 4-H Achievement Banquet!

The annual Roane County 4-H Achievement Banquet will be held **Friday, November 18, 2016** at **Camp Sheppard** beginning at **6:30 p.m.** All 4-H leaders, members, and their families are invited and encouraged to attend.

4-H members' accomplishments during the past year will be recognized. Special awards including citizenship, leadership, achievement, and junior leadership pins will be presented to many of our outstanding, older 4-H youth. Additionally awards for multi-year project completion and outstanding project work will be awarded to 4-H'ers who have demonstrated excellence in their project work and participation in county round-up contests. All 4-H'ers completing a project in 2016 will be presented with a certificate of project completion. 4-H leaders and supporters of our 4-H program will also be honored.

The Roane County 4-H Leaders' Association will provide turkey, ham, rolls, drinks, and table service. Each 4-H family is asked to bring **two** covered dishes according to the following schedule:

Last names beginning with these letters:

**A-H - salads    I-P - vegetables    Q-Z - desserts**

The 4-H leaders request that everyone please assist with clean-up following the banquet and awards presentations.

4-H is a **community** of **young people**  
across **America** who are learning  
**leadership, citizenship** and  
**life skills.**

# I Love 4H

# WVU EXTENSION MASTER GARDENERS TOUCH UP COURTHOUSE TREES



Sam Sheets & Glenda Cass



Cathy Flashman,  
John & Nancy Durkee



Sam Sheets & Glenda Cass



Sam Sheets & Glenda Cass



Cathy Flashman & John Durkee



Sam Sheets & Glenda Cass



John & Nancy Durkee



Sam Sheets & Glenda Cass



## President's Report Jo Ann Johnson, President Roane County CEOS

We had a great year in 2016 and we have tried to accomplish a lot. Every member has been as involved as they could be. The past year has been great and we are really looking forward to another great year in 2017.

We had five members attending the Parkersburg Area Spring Meeting. We also joined with our Jackson County friends and two of our members attended their county spring meeting. Members attended the Roane County Extension Service Committee meeting.

### Community Service

We had several community service programs. We recycled nearly everything - aluminum cans, plastic water bottles, milk jugs, newspapers, and magazines. We collected pop tabs for the Ronald McDonald House in Charleston. We collected Box Tops for Education and gave them to the local schools.

We meet in a local church and so we supported the community efforts of three local churches, too. We hosted community church dinners. We provided suppers for Vacation Bible School for five nights. We were able to serve 70-90 dinners each night to Bible School kids and adults. Members also helped local churches with Christmas programs.

We also held a bazaar at the Roane County Commission on Aging. Several members helped with the elections. We filled 125 Christmas mugs for the food pantry. Each mug contained hot chocolate mix, marshmallows, and candy canes.

### Continuing Education

We have one Master Gardener in our club and three Foster Grandparents. We studied 9 study topics this year.

### Family

We took part in the Christmas Adopt-a-Family program. We also delivered a great deal of clothing to the Veterans Nursing Home in Barboursville.

Our club donated to the Relay for Life event. We also made and donated throws to a dialysis center for dialysis patients. We bought collars, leashes, food, and toys for the local animal shelter. We also donated shoes to the "Souls for Soles" project.

### Marketing and Membership

During CEOS Week, we put WVU Extension Garden Calendars and CEOS literature at the local library, the churches, stores, and the senior center for CEOS Week.

### Purposeful Reading

This year, our ten members read over 2,000 books. Of those, many were on the Purposeful Reading List.

### Volunteer Hours

We had 6,500 volunteer hours, with three of our members having 1,000 hours or more.

Sincerely,

Jo Ann Johnson  
Roane County President



Tuesday  
November 8  
2016



West Virginia University  
EXTENSION SERVICE

**WEST VIRGINIA**  
4-H BASKETBALL DAY

December 10, 2016 WEST VIRGINIA vs. VMI	EVENT PRICE: \$15/PERSON T-SHIRT PURCHASE: \$10 ADDITIONAL	COLISEUM 2:00PM ORDER DEADLINE: NOVEMBER 11, 2016
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PAY ONLINE: [HTTP://epay.wvsto.com/WVU/WVUExtensionServicesSpecialServicesFund/default.aspx](http://epay.wvsto.com/WVU/WVUExtensionServicesSpecialServicesFund/default.aspx)  
FOR QUESTIONS: MICALYN STUMP | 304-293-5871

SAVE THE DATE  
WVU vs. VMI  
DECEMBER 10, 2016

## 2016 Roane County 4-H & FFA Youth Livestock Showmanship Results

### Market Goat Showmanship Junior Division

1st place- Gwen Ward - Country Roads 4-H  
2nd place- Lacy Mitchell - Country Roads 4-H  
3rd place- Kaitlynn Young – Southern Roane Trailblazers 4-H

### Market Goat Showmanship Senior Division

1st place – Megan Casto – Reedy Lucky 4-H  
2nd place - Sara Moore – FFA  
3rd place – Shelby Ward - Country Roads 4-H

### Overall Market Goat Showman

Megan Casto - Reedy Lucky 4-H

### Feeder Calf Showmanship Junior Division

1st Place – JD Painter - Walton 4-H  
2nd Place – Moriah Cale - Reedy Lucky 4-H  
3rd Place – Clarissa Harper – Harmony Harmonizers 4-H

### Feeder Calf Showmanship Senior Division

1st Place - A.J. Cale - Reedy Lucky 4-H  
2nd Place – Emily Hunt - FFA  
3rd Place - Madison Marshall - FFA

### Overall Feeder Calf Showman

A.J. Cale – Reedy Lucky 4-H

### Market Lamb Showmanship Junior Division

1st Place – Katie Cummings – Country Roads 4-H  
2nd Place– Elsalynn Mahoney - Southern Roane Trailblazers 4-H  
3rd Place – Emily Huffman – Reedy Lucky 4-H

### Market Lamb Showmanship Senior Division

1st Place - Emily Dobbins - Reedy Lucky 4-H  
2nd Place - Caroline Greenleaf - FFA  
3rd Place - Hunter Thompson - FFA

### Overall Market Lamb Showman

Emily Dobbins – Reedy Lucky 4-H

### Market Hog Showmanship Junior Division

1st Place - Bryson Watson - Grace Rise & Shine 4-H  
2nd Place – Abby Hoskins – Walton 4-H  
3rd Place – Emerson Simons – Happy Hunters 4-H

### Market Hog Showmanship Senior Division

1st Place - Ashley Hoskins - FFA  
2nd Place – Aaron Simon - FFA  
3rd Place – Alayna Cox - FFA

### Overall Market Hog Showman

Ashley Hoskins - FFA



The WVU Extension Service in Roane County is offering our annual first Progressive Farmer Winter Dinner Meetings

## 2017 WVU Extension's Progressive Farmer Dinner Meeting

in 2017. The first dinner meeting will take place on **Wednesday, January 25, 2017** at 6:30 pm at the **Jackson County Extension Office**. January's topic will be "**Parasite Control**" by Scott Bowdridge. February's topic will be "**Fencing**" by Bill Iams and will take place on **Tuesday, February 21, 2017** at 6:30 pm at **Roane County High School's Vo-Ag Dept**. The March topic will be "**Pasture and Hay**

**Weed Control**" by Jeff Clark on **Tuesday, March 21, 2017** at 6:30 pm at **Roane County High School's Vo-Ag Dept**.

These meetings are free and open to the public, but pre-registration is requested and suggested to plan for meals. To pre-register for this meeting or for more information, call the WVU-Roane County Ex-

## Wildlife Habitat Education Program (WHEP)

### FFA Instructors, 4-H Leaders, and all Wildlife Enthusiasts

I am still working to grow the Wildlife Habitat Education Program (WHEP) in West Virginia. This will be the second year for WHEP in WV. We held our state contest back in April and hosted the National Contest in July. Both were very successful. Mineral County FFA won the WV state contest and represented WV at the National Contest. They placed First among FFA Teams and 5<sup>th</sup> overall. A very successful year.

As a reminder, WHEP is a hands-on natural resource program dedicated to teaching wildlife and fisheries habitat management to youth aged 8-19 through 4-H and FFA organizations, and it culminates in an annual state and national contest. For more information please visit the website at [www.whep.org](http://www.whep.org).

I will be hosting another WHEP training session at Jackson's Mill on Saturday, December 10th. The training will run from 10am to 4pm. Lunch will be served, and we will walk through the manual and talk about the different components of the

contest.

Please RSVP back to me by November 28th, so I can get an accurate count for lunch. If you have any questions please contact me at 304-293-2990 or [sheldon.owen@mail.wvu.edu](mailto:sheldon.owen@mail.wvu.edu)

I hope to see you there.

Sheldon F. Owen, Ph.D.  
Wildlife Extension Specialist

## 2017 WV Beef Queen Contest

The deadline is quickly approaching for the 2017 West Virginia Beef Queen's Contest. The deadline for entries for the contest will be November 7, 2016.

Girls ages 16-20, as of January 1, 2017, are encouraged to participate.

To be eligible to apply, all contestants must either live on a farm, her parents de-

rive part of their income from the production of beef or has a beef project in 4-H or FFA.

The contest will be held December 2, 2016, during the West Virginia Cattlemen's Convention at the Stonewall Resort in Roanoke, WV.

Contestants must submit an application and an essay before or by the deadline.

For more information and an application, contact Mida Peterson at 304-269-3877 or write to: 6581 US Highway 33 E, Horner, WV 26372 or email: [rockingp@shentel.net](mailto:rockingp@shentel.net).

## 2017 WEST VIRGINIA BEEF QUEEN RULES

- Contestant must be naturally born female, a citizen of the United States of America, a legal resident of the State of West Virginia, and age 16 to 20, as of January 1, 2017. She must be of good moral character and never been convicted of any major crime. She must be unmarried, never had a marriage annulled, not currently pregnant, have not adopted a child or have never borne a child. Contestant must remain single and not become pregnant. If either of these occurs, this application shall become null and void.
- The contestant must live on a farm where cattle or beef are produced, or her parents must derive part of their income from the production of cattle or beef, or she must have a beef project in 4-H or FFA.
- Contestant will be judged on the basis of personality and poise; the contents of her essay; her ability to express herself orally; her school, 4-H, FFA, FHA/Hero, church and other activities; her knowledge of retail cuts of beef; beef cooking procedures and her general knowledge of the beef industry.
- Contestants must submit an essay on the subject: **"I Want to Be Beef Queen Because....."** Limit your essay to no more than two typewritten pages (double spaced). Contestants will present their essay orally to those in attendance or the judges the day of the contest.
- Each county Cattlemen's Association, Livestock Association, Livestock Club, FFA Chapter or County Extension Service is responsible for selecting their own contestant and an alternate, if desired (one contestant per county).
- County contestants must submit: The original typewritten essay; copy of the completed entry blank; two pictures (preferably vertical head and shoulder wallet size). Completed entry must be **postmarked by November 7, 2016**.
- Mail the completed entry to Mida Peterson, 6581 US Highway 33 E, Horner WV 26372-9734.
- Upon receipt of the application, **postmarked by November 7, 2016**, a letter will follow informing the Queen candidates as to the time and further information on the Queen's judging. The contest will be held **December 2, 2016**, during the WV Cattlemen's Association Annual Convention at Stonewall Resort in Roanoke, WV.
- County winners must attend the WV Beef Queen Contest in order to compete.
- Five points will be added to the contestant's score if her father and/or mother or guardian is a member of either the WV Cattlemen's Association or the WV CattleWomen's Association in 2016 or 2017.
- Each contestant will be required to wear a sash designating the county she represents.
- The newly named 2017 WV BEEF QUEEN will be crowned Thursday evening during the WV Beef Expo April 6, and will reign over the remainder of the **EXPO April 6-8**.
- The WV Beef Queen may be escorted by a member of the WV CattleWomen's Association, WV Cattlemen's Association or WV Beef Industry Council at the necessary functions of the WV State Fair (cook-off, working Beef Council's booth, luncheon) and other promotional activities of the Cattlemen, CattleWomen or Beef Council. Usually the Queen will need to provide her own transportation to events, which may be reimbursed by one of the above organizations.
- The WV Beef Queen will receive a crown and sash to wear during her reign and a \$500 scholarship to the college or vocational school of her choice plus travel expenses as directed by the Beef Council when promoting the end product "Beef."
- The WV Beef Expo is a member of the WV Association of Fairs and Festivals, therefore the new Beef Queen will be eligible to participate in the WV State Fair Queen's Contest held in January 2018.





Happy Birthday

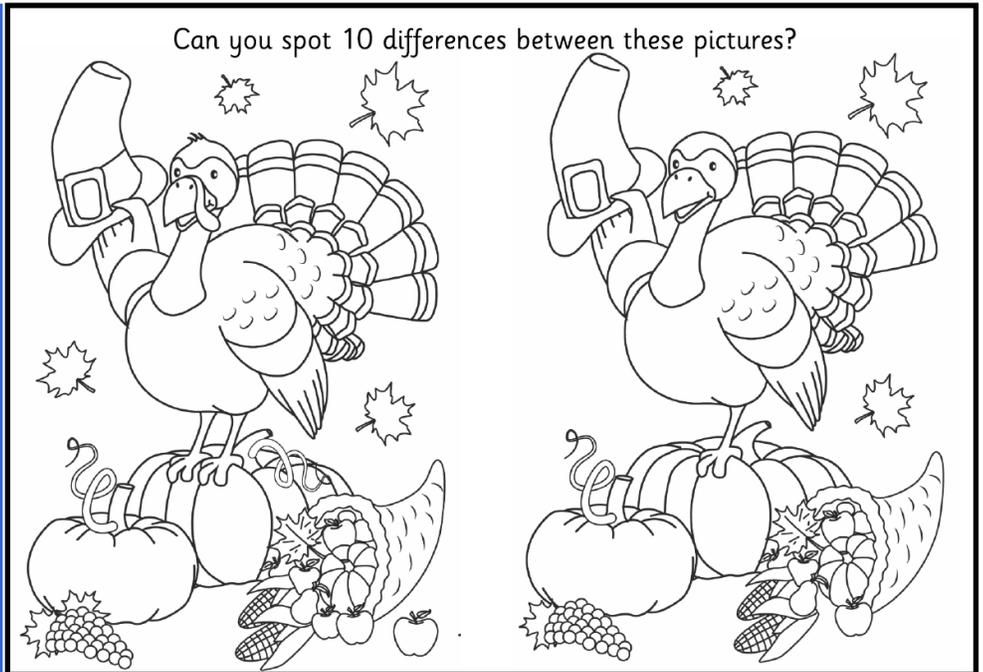
To the following 4-H members:

**November Birthdays**

- November 03 Daniel Tallman
- November 03 Lucas Hall
- November 04 Abigail Slater
- November 05 Clarissa Harper
- November 07 Ashley Hoskins
- November 07 Basia Evans
- November 07 Cody White
- November 08 Andrew Engle
- November 10 Ory May
- November 12 Brianna Fields
- November 13 Emily Huffman
- November 14 Ruben Webb
- November 14 Brianna Nichols
- November 15 Morgan Cale
- November 15 Harmonie Ashman
- November 16 Glorianna Mahoney
- November 16 Linda Bauer
- November 17 Claude Bauer
- November 17 Eris Engle
- November 18 Melissa Ashman
- November 19 Levi McCune
- November 22 Kaycee Richardson
- November 23 Abigail Evans
- November 24 Casey Silva
- November 24 Hailee Conley
- November 25 Joseph Painter
- November 26 Anabel Beal

**December Birthdays**

- December 02 Mahailey Nicholson
- December 03 Aiden Mitchell
- December 03 Kari Cummings
- December 07 Dawson Shouldis
- December 11 Kimberly Koon
- December 15 Erin Ryan
- December 18 Jordyn Snodgrass
- December 22 Aaron Simon
- December 26 Abby Hoskins
- December 27 Isaac Ryan
- December 27 Brianna Epling
- December 28 Alayna Cox
- December 29 Jerrod Hildreth
- December 29 Jordan Hildreth



 **West Virginia University**  
EXTENSION SERVICE  
SMALL FARM CENTER

**SAVE THE DATE**  
February 12-14, 2017  
Charleston Civic Center  
Charleston, West Virginia

It's all about  
**THE FOOD**  
and Community




4-H youth are

**3.4 times**

more likely to actively contribute to their communities.

**VOLUNTEER**



\*The Positive Benefits of Youth-Centered Service  
from the 4-H Study of Positive Youth Development, 2011  
<http://www.4-h.org/4-h-study-of-positive-youth-development/>



### Santa's Reindeer

C	D	W	Y	S	R	A	R	B	N	K	M	C	P	S	G
A	I	A	F	L	E	E	N	E	D	E	A	Q	R	Y	N
R	P	T	Z	L	I	E	N	A	D	R	Z	E	Z	Y	I
R	U	C	A	E	N	R	S	N	I	N	L	T	D	H	Y
O	C	H	K	B	D	H	M	B	O	T	O	E	I	P	L
T	H	O	O	V	E	S	O	A	N	D	E	S	L	L	F
S	K	P	J	R	E	U	T	A	G	P	G	I	E	O	B
R	E	C	N	A	R	P	O	E	S	I	S	M	D	D	A
R	E	C	N	A	D	R	F	V	M	T	C	R	I	U	U
N	E	X	I	V	B	B	N	X	E	O	E	A	W	R	P
R	O	O	F	T	O	P	O	N	I	H	C	M	L	F	J

- |          |           |         |
|----------|-----------|---------|
| caribou  | Donner    | herd    |
| reindeer | Blitzen   | rooftop |
| Dasher   | Rudolph   | listen  |
| Dancer   | red-nosed | watch   |
| Prancer  | flying    | bells   |
| Vixen    | speedy    | magical |
| Comet    | antlers   |         |
| Cupid    | hooves    |         |

To find the answer to the trivia question, look for a word that is hidden in the puzzle, but not in the word list.

Trivia: What food do reindeer like best?

Answer: \_\_\_\_\_

**That's Ag-mazing!**

Did you know...

Pigs are weaned when they are two to four weeks old. They are called "nursery pigs" until they reach 50 lbs and "growing/finishing pigs" from then until they reach about 240 lbs.

After that they are called hogs. Hogs are usually taken to market when they weigh 240-280 pounds.

## 2016 BEEF BOWL

A Beef Bowl for 4-H and FFA members will be held on Friday, December 2, 2016 at the Mountaineer Cattlemen's College at Stonewall Resort in Roanoke, WV. Preliminary rounds will be held from 3:00 to 6:00 p.m. and the finals will begin at 8:00 p.m. Pre-registration is required by November 18, 2016. There are two age divisions for the Beef Bowl: Jr. Division – (4 members) 13 years of age (as of January 1, 2016) and younger. Sr. Division – (4 members) 14 years of age (before January 1, 2016) and must not have graduated from high school. Mixed Teams (Juniors, Seniors, Multi-county) compete in the senior team category. Teams must have 4 members. Questions will pertain to the beef cattle industry (production, marketing, health, reproduction, etc.). Resources to review include 4-H Beef project books, and 4-H beef handbook, in addition to industry publications.

Monetary awards will include \$200 cash for 1<sup>st</sup> place, \$150 for 2<sup>nd</sup> place and \$100 for 3<sup>rd</sup> place teams in each division. Members of the senior team will each receive a scholarship.

Practice will begin Thursday, November 10<sup>th</sup> @ 6:00 PM in Extension Office. For more information, contact Brandy Brabham at 304-927-0975 or by email at: Brandy.Brabham@mail.wvu.edu

World of **7 Billion**  
www.Worldof7Billion.org

## VIDEO CONTEST

2016 - 2017

**CHALLENGE** Create a short video – up to 60 seconds – about human population growth that highlights one of the following global challenges: Climate Change, Ocean Health, or Rapid Urbanization.

**IMPACT & SOLUTION** All videos must include:  
a) how population growth impacts the issue  
b) at least one idea for a sustainable solution

Now open to grades 6-12!

Narrow your focus:

- CLIMATE CHANGE**  
weather events and patterns, impact on agriculture, impact on coastal cities, human health, ecosystem disruption
- OCEAN HEALTH**  
overfishing, coral bleaching, climate regulation, habitat loss, pollution, dead zones
- RAPID URBANIZATION**  
sprawl, sanitation, air and water quality, megacities, migration, slums and informal settlements

HIGH SCHOOL: FOUR WINNERS PER GLOBAL CHALLENGE    MIDDLE SCHOOL: TWO WINNERS PER GLOBAL CHALLENGE

First place	Second place	Honorable mentions	First place	Second place
<b>\$1,000</b>	<b>\$500</b>	<b>\$250</b>	<b>\$500</b>	<b>\$250</b>

All students grades 6-12 worldwide are eligible to participate and win

Deadline February 23, 2017

For full contest details visit: [www.Worldof7Billion.org](http://www.Worldof7Billion.org)

World of **7 Billion** POPULATION EDUCATION

## 2017 WV Science Bowl Announcement

The West Virginia Science Bowl (WVSB) Regional Coordinating Committee is excited to announce the opening of the 2017 National Science Bowl, and wants your High School and Middle Schools' science and math students to participate! The National Science Bowl is sponsored by the U.S. Department of Energy and features a tournament-style academic competition challenging students in the fields of science and mathematics.

The National Energy Technology Laboratory and West Virginia University are once again proud to host the West Virginia Science Bowl Regional on Friday, February 3 and Saturday, February 4, 2016 at the Mountainlair on WVU's main campus in Morgantown, WV. The 2017 field will include 24 High School teams and 16 Middle School teams. Last year's event brought more than 200 student participants onto the WVU campus and included activities such as a SuGO robotics tournament, a Minecraft LAN party, a college information fair, a planetarium show and robotics demonstration, and a dinner reception for High School students hosted by WVU.

Teams consist of four student competitors, one student alternate, and one or more coaches (usually a science or math teacher). Participation rules, sample questions, and general information may be found at the National Science Bowl website (<http://science.energy.gov/wdts/nsb/>). The winner of the WVSB Regional will receive a 5-day (April 27- May 1, 2017) expenses paid trip to Washington, D.C. to represent West Virginia in the National Science Bowl competition held at the National 4-H Center in Chevy Chase, Maryland. The WVSB winning team will also take possession of the traveling trophy for one year, a banner for their school, and other individual prizes.

**HIGH SCHOOL:** To participate in the WV Science Bowl Regional, teams must be nominated by the Regional Educational Service Agency (RESA) serving

the county in which the team is enrolled in high school, or (for home schooled students only) the county in which the team members reside. Please contact your RESA coordinator to express your team's interest in participating in the local competition. A complete list of RESA contacts and competition information can be found on the WVSB Regional website (<http://wvsciencebowl.org/>).

**MIDDLE SCHOOL:** To participate in the West Virginia Science Bowl Regional, teams must register at the NSB website here: <http://science.energy.gov/wdts/nsb/middle-school/middle-school-regionals/west-virginia-regions/west-virginia-regional-middle-school-science-bowl/>. Middle School teams will be accepted on a first-registered, first-accepted basis determined by the date/time stamp when registrations were submitted. Schools submitting more than one team for participation are subject to a staggered enrollment rule described on the enrollment page. Registration is being accepted as of December 1, 2016.

Regular updates and information will be shared through our event webpage and Facebook page, which can be accessed at:

Webpage: <http://wvsciencebowl.org/>  
Facebook: <https://www.facebook.com/WVRegionalScienceBowl>

If you have any questions regarding the Science Bowl events, please contact your RESA Coordinator, or either of the WVSB Coordinators listed below. The U.S. Department of Energy and West Virginia University are very proud to sponsor the Science Bowl and we look forward to your participation.

**Kirk Gerdes**  
WV Science Bowl Regional Coordinator  
National Energy Technology Laboratory  
Morgantown, West Virginia  
[Kirk.Gerdes@netl.doe.gov](mailto:Kirk.Gerdes@netl.doe.gov)  
Office: (304)285-4342

**Jen Robertson**  
WV Science Bowl Regional Assistant  
Coordinator  
West Virginia University  
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HEAD



HEART



HANDS



HEALTH

## Clean Rain Gutters Safely

by WVU Extension Service Home Safety Experts Wayne Lundstrom and Mark Fullen

The colorful leaves of fall can be beautiful to look at, but can also cause problems for homeowners. Leaves and other debris can clog rain gutters and may lead to home damage. WVU Safety and Health Extension experts offer tips to safely rid gutters of debris this fall.

### Rain gutter basics

Your rain gutters serve a purpose—they protect your house, windows, doors, and foundation by collecting the rain water and leading it through its downspouts to prevent water damage and flooding.

In order for this process to occur properly, the rain gutters must be clear of all debris (leaves, sticks, bugs, etc.)

Proper maintenance will prevent gutters from corroding and pulling loose from their mountings.



### Before you begin cleaning

To begin the cleaning process, always wear a pair of heavy gloves to protect hands from debris and sharp metal objects, like screws or sharp pieces of the gutter which may stick out or be buried in the debris.

Safety glasses or goggles should be worn to protect eyes from flying debris.

Below the gutter should be a drop cloth to capture the excess debris being removed.

Other supplies necessary to safely clean out a rain gutter include a

- bucket,
- gardening shovel or drain clearing tool,
- and a pistol-grip nozzle for the hose.

Perhaps the most important tool of them all is a sturdy ladder which should be placed on a level, flat surface. Crawling out onto the roof is never recommended and is considered extremely dangerous. Remember, if using a step ladder never step on the top

two rungs—the warning on the ladder is there for a reason.

If using an extension ladder always extend the ladder three rungs beyond the roof edge and secure the ladder from tipping with rope either at the top or at the base. If this is not practical, it's a good idea to have another person help stabilize the ladder by holding it for you.

### Cleaning

Now that you are equipped with the right clothing, equipment, and tools, you can begin by scooping out the loose debris. Use a gardening shovel or substitute tool, and place the loose debris into the bucket. The bucket should be properly secured on the opposite side of your step ladder.

Start at the low end of a gutter near the drain outlet and work progressively away from it. Continue to scoop out the loose and/or damp debris until it is all cleared away. If there are any remaining fragments encrusted to the gutter, go back and scrap it loose.

### After removing debris

Once everything is cleared out, it is now time to use the hose, with the pistol-grip nozzle. Using a pistol-grip nozzle allows one to control the amount of water pressure being used and works as an on/off button, too.

Spray the water away from your body, using the water to push the remaining debris out of the gutter, working toward the drain outlet. Keep an eye on the drain spout during this process; if the water is not freely flowing out of the drain spout, a blockage is indicated and should be removed by spraying the hose directly down the spout at full pressure. If this does not release the obstruction, a plumber's "snake" can be used to knock the obstruction free.

Always remember that rain gutters should be cleaned at least twice a year, if not more if your house is located in an area where it is exposed to severe storms often. Rain gutters, as well as any other work that is completed on a ladder or roof, should never be completed during any kind of storm or weather in which ice or precipitation is possible.



Did you know?.....

Elevators in the Statue of Liberty use a soybean-based hydraulic fluid.

Did you know?.....

Soybeans are an important ingredient for the production of crayons. In fact, one acre of soybeans can produce 82,368 crayons.

## Brown Marmorated Stink Bug

Source: <http://anr.ext.wvu.edu/pests/insects/bmsb>

### Background

The brown marmorated stink bug (BMSB), *Halyomorpha halys*, is a non-native, invasive insect recently discovered in North America. It is a pest of fruits, vegetables, and farm crops. It becomes a nuisance pest when it invades structures to find a place to overwinter.

BMSB is a native insect of China, South Korea, Japan, and Taiwan. The first BMSBs in the United States were found in Allentown, Pa., in 1990s. It is suspected that they were on fruit shipped in packing crates from Asia. BMSB was detected in West Virginia in 2004. BMSB is now found in at least 26 states from Maine to California. It is expected to expand its range across North America.

### Description

Adults are about ¾-inch long and shaped like a “shield.” They have varying shades of brown on both the upper and lower body surfaces. They differ from other stink bugs in that they have lighter bands on the antennae and darker bands on the membranous, overlapping part at the rear of the front pair of wings. The head and pronotum have small round depressions that resemble coppery or metallic-bluish colored punctures. Stink bugs get their name from the scent glands located on the dorsal surface of the abdomen and the underside of the thorax.



BMSBs have small, elliptical-shaped eggs that are light yellow to yellow-red with tiny spines. They attach in rows on the underside of leaves in masses of 20 to 30 eggs that may be shield-shaped.



There are five immature stages known as nymphal instars. They range in length from 1/8 inch at the first stage to ½ inch at the fifth stage. They have deep red eyes and

abdomens that are yellowish red in the first stage, progressing to off-white with reddish spots in the fifth stage. Bumps are found before each of the abdominal scent glands on the top surface. The legs, head, and thorax are black. Spines are found on the femur, in front of each eye, and on the lateral margins of the thorax.

### Damage

The insect feeds on a variety of fruits, vegetables, and farm crops. When BMSB feeds on produce, it causes blemishes known as “cat facing,” which makes it unappealing and unmarketable as a fresh product. Significant losses have occurred for farmers whose peach and apple orchards have been hit by BMSB. Refer to picture of damage on fruit.

Although BMSBs do not pose a health threat to humans, once they enter a home they can cause alarm while flying around and emitting a strong odor when they are crushed.

## Strong Families Eat Together

When family members eat together, they do more than build strong bones. They also build strong bonds.

Is your family enjoying at least one meal together this week? Don't overlook the power of family meals. WVU Extension educators say that research continues to affirm the power of family mealtime. Eating together has positive influences on:

- family communication
- nutrition intake
- new and old family traditions
- childhood obesity
- character and social development

Planning meals together is one way to maintain mealtime as a regular “our time.”



## Travis Cullen

**will be out of the office  
on Sick Leave towards the end of  
November until after the New Year.**

*Merry Christmas  
&  
Happy New Year  
2016*

*WVU-Roane County Extension Office  
Brandy, Shannon, Travis and Joyce*

# Let's Have Some 4-H Fun

## Livestock

### Beef Parts

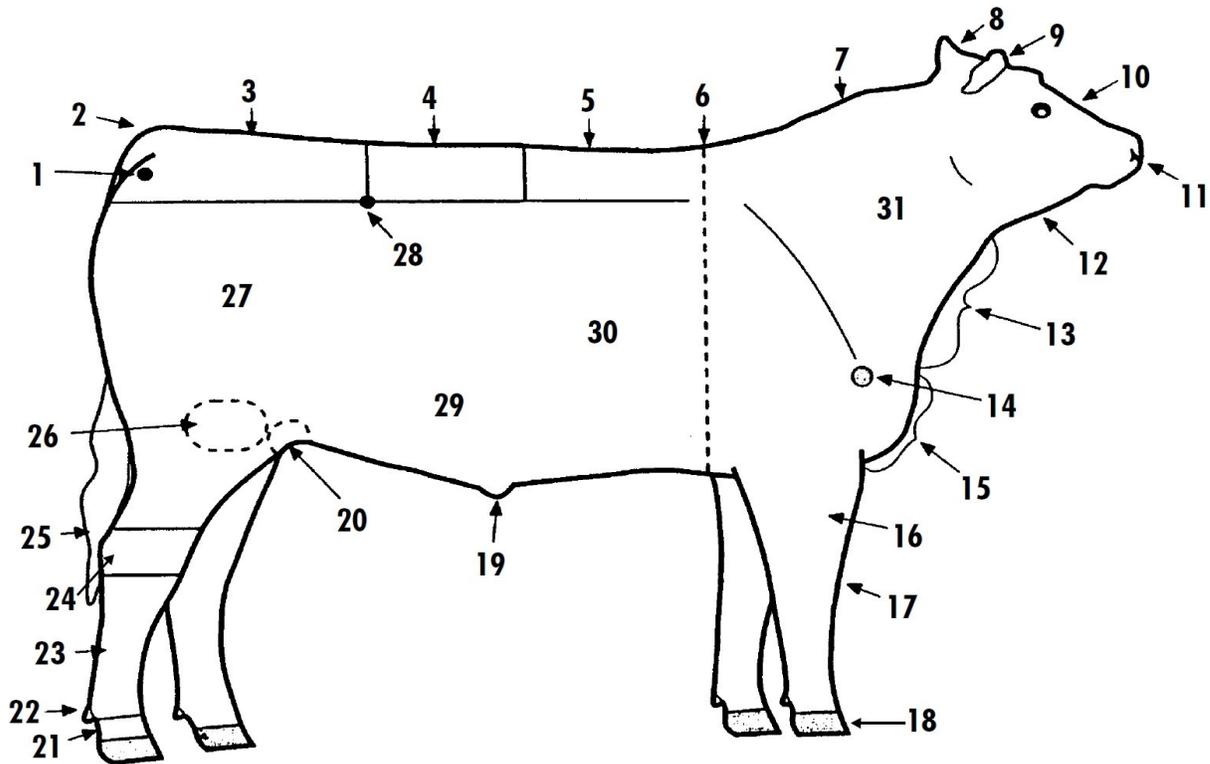
Activity level: Beginners or members ages 9 to 11

Write in the number that corresponds to the correct part of the animal.

### Identification

In this activity you will:

- learn the parts of a steer.



- |                         |               |                    |                    |
|-------------------------|---------------|--------------------|--------------------|
| _____ throat            | _____ crest   | _____ knee         | _____ cannon       |
| _____ neck              | _____ face    | _____ rib          | _____ stifle joint |
| _____ point of shoulder | _____ pin     | _____ sheath/navel | _____ forearm      |
| _____ loin              | _____ muzzle  | _____ rear flank   | _____ switch       |
| _____ hoof              | _____ dewlap  | _____ ear          | _____ tail head    |
| _____ heart girth       | _____ rump    | _____ hook         | _____ hindquarter  |
| _____ pastern           | _____ brisket | _____ dewclaw      | _____ belly        |
| _____ poll              | _____ back    | _____ hock         |                    |

References: Ohio 4-H Beef, Sheep, and Swine Selection and Evaluation Book #103R; Beef Learning Laboratory Kit  
Prepared By: Jodi Black, State Extension Associate, 4-H/Animal Sciences; Andrea Auker, Animal Sciences Student

# 4-h Word Search

BEEF  
 CHAMPION  
 CLOVER  
 COMMUNITY  
 FAIR  
 FAMILY  
 GOAT  
 GREEN  
 HANDS  
 HEAD  
 HEALTH  
 HEART  
 JUDGE  
 LEADERSHIP  
 MARKET  
 MEETINGS  
 PLEDGE  
 POULTRY  
 PROJECTS  
 RESPECT  
 SHEEP  
 SHOWRING  
 SWINE  
 UNIFORM

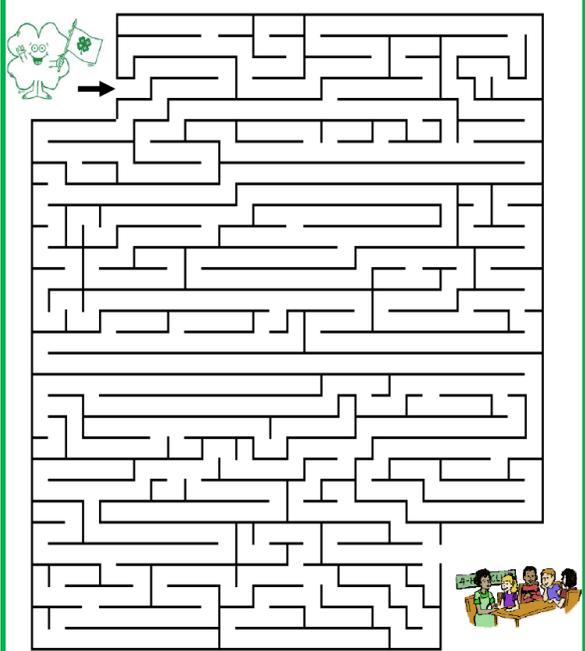
find the 4-h related words

Try to find **all 24** words on this board.

Y B W Y H Z O E V O Q C Z T A U Q H O J  
 D P R Q S O Z A Z T S Y E B L Z T Y O I  
 N W P T B L X B Z A F A T D H V I I Q T  
 C T P I U H H R S O D L O P X G Z A V I  
 D E T E G X S Y D G T Y L I M A F W P G  
 A S L T E F N X N N C F X S I L A P Z I  
 J N S S Z H Q U A I E F F E E B I W I U  
 W A U G U R S V H R P W D A N O R E B N  
 N U X Z P W T U T W S A D B T G C D N U  
 H W T Z I F C H L O E E Z M P I A I C M  
 X T J N T X E K A H R G R F S H A K K S  
 L G E G D U J Y E S X O T G R E E N F J  
 J J N A V B O T H G F E N X N M A Y U E  
 X T C A S U R I K I K I R O O U Y Q J M  
 Y R T L U O P N N R T B I S V C D Y V M  
 T H Q E A L J U A E R P W T U N N N B J  
 T V C I E T G M E E M J R A M Z R Y Z E  
 M T S D R W D M O A N A H P B X X O T U  
 W N G Y X X I O H E A R T R P S E K I H  
 B E R E V O L C L Y B D M S D A A O H V



## Help Chris Clover Find His Way to the 4-H Meeting



## 4-H'ers are...

**4X** more likely to give back to their communities

**2X** more likely to make healthier choices

**2X** more likely to participate in STEM activities

## Roane County Schools

invites you to attend a

### PUBLIC FORUM ON EDUCATION

- What are the Mission and Goals of Roane County Schools?
- What does each school's grade mean on their new Accountability Report Card?
- When looking at current and future graduates, what skill sets do Roane County Businesses need in order to have productive employees and keep jobs in Roane County?

Find out the answers to these questions and be part of the solution on

Tuesday, November 15, 2016  
Roane County High School  
Auditorium  
6:00 PM



## Roane County Solid Waste Authority

Hours of  
Operation:  
Thursday 8-4  
Friday 8-4  
304-927-0975



New Location 381 Oak Drive, Spencer WV

Items We Accept	
Cardboard	News/ Magazines
Plastic	Grocery Bags
Shred paper	Junk mail
Pop Cans	Food Cans

## State Fair of West Virginia Scholarship Now Online

Applications for the 2017 State Fair of West Virginia Scholarship program are now available online. In association with corporate, civic and individual contributors, and with support from the State Fair Endowment, five, four-year scholarships for up to \$1,000 a year will be awarded to individuals who have participated in one or more of the following areas at the State Fair:

1. State Fair Junior Show – market animals, purebred animals and dairy.
2. Equine Programs – State Fair's Open Horse Show or Junior Horse and Pony Show.
3. 4-H and FFA Youth Exhibit Program – 4-H and FFA Underwood Youth Center.

Applicants must be pursuing a vocational trade, associate or bachelor degree, and must have participated in the junior live-stock show, equine show or 4-H and FFA Youth Exhibit Program within the previous five (5) years.

For 2017, all State Fair Scholarship applications and supporting documents must be completed online by January 13, 2017. Applications are available online at [www.statefairfww.com](http://www.statefairfww.com). Feel free to call the State Fair Office at 304-645-1090 for more information or questions.

The State Fair of West Virginia, with a \$13.8 million dollar economic impact on West Virginia, is a 501 © 3 non-profit corporation committed to the traditions of agriculture, family entertainment, and education. For more information visit [www.statefairfww.com](http://www.statefairfww.com).

## GROWING FOR WHOLESALE MARKETS

Learn how to grade,  
package and palletize  
butternut, acorn and  
spaghetti squash with  
hands-on demonstrations

APPALACHIAN  
sustainable  
DEVELOPMENT



### Join the Party!

RSVP at 304-673-0053 or  
slyons@refreshappalachia.com

Space is limited. RSVPs required.  
Dress for outside temperatures.



November 9, 2016



10:30am -  
5:00pm



Refresh Appalachia  
1040 Vernon Street,  
Huntington, WV 25704



Lunch is  
provided

### Beef Parts Answer Key

8	poll	24	hook	5	back	7	crest	12	throat
2	postern	22	deftlow	5	brsket	10	face	3	neck
6	heart girth	28	hook	3	rump	1	muzzle	4	loin
18	hoof	9	ear	8	deftop	1	pim	14	point of shoulder
4	loin	20	rear flank	1	muzzle	1	pim	3	neck
14	point of shoulder	19	sheath/navel	1	pim	30	rib	26	stifle joint
3	neck	30	rib	10	face	23	cannon	2	tail head
2	throat	7	knee	7	crest	27	hindquarter	2	switch
1	point of shoulder	1	knee	1	crest	25	forearm	2	forearm
3	neck	1	rib	10	face	27	forearm	2	forearm
4	loin	1	sheath/navel	1	pim	29	hindquarter	2	tail head
14	point of shoulder	1	sheath/navel	1	pim	29	hindquarter	2	tail head
3	neck	1	rib	10	face	23	cannon	2	tail head
4	loin	1	sheath/navel	1	pim	25	forearm	2	switch
14	point of shoulder	1	sheath/navel	1	pim	27	forearm	2	switch
3	neck	1	rib	10	face	29	hindquarter	2	tail head
2	throat	7	knee	7	crest	27	hindquarter	2	tail head

## Mid-Ohio Valley Edibles



MOVE, a regional farmers' cooperative, is always welcoming new members. They help farmers sell local eggs, meats and produce. Contact 304-927-0975 to learn how to buy or sell local produce today!  
[movedibles.com](http://movedibles.com)

