



Virtual Brown County 4-H Animal Project Exhibition Guide

While it is understood pictures and videos cannot fully replace live exhibits the virtual fair environment is intended to allow a judge to see and learn about the skills a 4-H member has developed throughout this past year resulting from their 4-H experiences.

Virtual Entry Completion Overview: *(Refer to your June Newsletter for step by step FairEntry Instructions.)*

1. **Enroll your animal & finalize project selection on 4HOnline before beginning your entry.** You must be an active member and your animal must be enrolled on 4HOnline before you can complete FairEntry.
2. **Complete your 4-H Animal Ethics Requirement.** See June Newsletter. For county-only do the following.
 - a. Review these videos: <https://extension.purdue.edu/4h/Pages/Online-Animal-Ethics-Program.aspx>
 - b. Take this brief quiz: https://purdue.ca1.qualtrics.com/jfe/form/SV_2aAOaEAK0BEGoRv
3. **Enter your projects on Fair Entry:** <http://browncountyindiana.fairentry.com> **between June 15th and July 20th.** July 20th is the submission deadline for all 4-H Projects. The deadline was moved back five days from July 15th to help market animal exhibitors.
4. **Enter your classes as you would normally do with FairEntry.** Once you have selected your department (ex. Beef Cattle), your division (ex. Market Beef) and your class (ex. Born and Raised Market Beef) you **will be prompted to upload photos or links to videos, and optional pictures of record sheets.** Take all photos in a well-lit area and try to reduce as many shadows and glares as possible. Set up your animals as you would in the show ring and have a friend or family member photograph you in the required poses outlined in the following table.
 - a. ***A Note on Video Submissions:* All videos are optional and lack of video entries will not be held against your entry.** FairEntry requires video links not files which means you will have to upload your video to YouTube, Google Drive, or similar platform first. **There are several concerns with this FairEntry feature, primary among them is the privacy issue involved when a video links back to a 4-H members personal YouTube page.**
 - i. To circumvent this issue upload your video files to this link to upload all your videos as files: bit.ly/browncounty4hvideoentry.
 - ii. Or take precautions if you choose to upload your video yourself:
 1. [Make your video unlisted](#) on YouTube so it does not link back to your channel.
 2. Make sure [sharing is enabled on Google Drive](#) links.
5. **Enter your Market Animal's Weight:** This year we will be using declared weights, meaning 4-H members will “weigh” their own animals. Since most of you don't have a livestock scale at home we are going old school and have provided instructions on how to estimate your animal's weight using heart girth measurements. Refer to these instructions on page 5. Weights will be used to group market entries into weight classes. There is no livestock auction this year so an estimated, declared weight will suffice.



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Project	Required Exhibit Photos	Optional Exhibit Videos	Suggestions
Beef Animal Evaluation	Image of Front View Image of Side View Image of Rear View	Video of Animal tracking away from the camera and from the profile (side) view. Recommended time limit: 1-2 minutes or less.	Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode). Take photos in a well-lit area located outside. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep shavings etc. Photos should not be altered or edited. 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show ring.
Cat Animal Evaluation	Full Image of Cat Full Image of Cat's Face		Take the photo in a well-lit area. Try to reduce as many shadows and glares as possible. 4-H Member should be present in a photo.
Cat Cage	Image of cat cage		Be sure the entire cat cage is visible in the photo. 4-H Member should be present in a photo.
Cat Costume	Image of cat in costume		Be sure the entire cat cage is visible in the photo. 4-H Member should be present in a photo.
Dairy Animal Evaluation	Image of Front View Image of Side View Image of Rear View	Video of Animal tracking away from the camera and from the profile (side) view. Recommended time limit: 1-2 minutes or less.	Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode). Take photos in a well-lit area located outside. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep shavings etc. Photos should not be altered or edited!!! 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show ring.
Dairy Goat Animal Evaluation	Image of Front View Image of Side View Image of Rear View		Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode). Take photos in a well-lit area located outside. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep shavings etc. Photos should not be altered or edited!!! 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show ring.



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Dog Completion Option 1: Poster	Image of Poster. Poster topic can be what you have learned, Dog Breed Topics, Dog Health Topics, etc.		Take the photo in a well-lit area. Try to reduce as many shadows and glares as possible. Be sure the entire poster is visible in the photo.
Dog Completion Option 2: Oral Presentation		Subject for the presentation can be any topic related to the 4-H Dog program. Content must follow published rules and regulations. Recommended Time Limit Junior (grades 3-5): 2-4 min Intermediate (grades 6-8): 3-5 min Senior (grades 9-12): 4-6 min	Take footage in a well-lit area. Try to reduce as many shadows and glares as possible. 4-H Member should be present in in photo/video.
Horse Halter	Image of Front View Image of Profile Image of Rear View	Video of Animal tracking away from the camera and from the profile (side) view. Recommended time limit: 1-2 minutes or less.	Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode). Take photos in a well-lit area located outside. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep shavings etc. Photos should not be altered or edited. 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show ring.
Meat Goat Animal Evaluation	Image of Front View Image of Side View Image of Rear View		Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode) . Take photos in a well-lit area located outside. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep shavings etc. Photos should not be altered or edited. 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show ring.
Poultry Animal Evaluation	Image of bird profile, head facing right Image of bird profile, head facing left Image of bird back, or aerial view of bird.		Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode). Take photos in a well-lit area. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep



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	Image of 4-H member correctly holding the bird.		shavings etc. Photos should not be altered or edited. 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show.
Rabbit Ambassador Exam and Breed ID will be housed on <i>Google Classroom</i>	<ul style="list-style-type: none"> • Register on FairEntry by adding an entry under the State Projects Department, Rabbit Ambassador (RA) Division and then select your grade level Class. <ul style="list-style-type: none"> ○ Use the classes not listed as “Alternate.” • Once registered you will receive a link to the exam and breed ID to your 4HOnline-related email. <ul style="list-style-type: none"> ○ There will be a time delay in receiving the link • Exhibitors will receive scores back immediately upon completion. • You may only take this test once. 		
Rabbit Animal Evaluation	Image of the side profile head facing right Image of the side profile head facing left Image of the rear Image of the top or aerial view (Judge wants to see saddle markings)		Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode). Take photos in a well-lit area. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep shavings etc. Photos should not be altered or edited. 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show.
Sheep Animal Evaluation	Image of Front View Image of Side View Image of Rear View		Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode). Take photos in a well-lit area located outside. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep shavings etc. Photos should not be altered or edited. 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show table.
Swine Animal Evaluation	Image of Front View Image of Side View Image of Rear View	Video of Animal tracking away from the camera and from the profile (side) view. Recommended time limit: 1-2 minutes or less.	Present animal as you would for the show ring. Photos should be taken horizontally (landscape mode). Take photos in a well-lit area located outside. Try to reduce as many shadows and glares as possible. Make sure animal is not standing in tall grass or deep shavings etc. Photos should not be altered or edited!!! 4-H member should be in at least one image of the animal, and should also be dressed appropriately for the show table.



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[Check out this article](#) for tips in creating your virtual entries. Virtual Judging is not a new concept. Below is an example of practice set used to train livestock judging competitors and a great example of how to set your animal up for the side profile view.



SURE•CHAMP **Mark that Card** 

Results from Official Tim Hubbard and the Northern Oklahoma College Livestock Judging Team.

Placing: 2-4-3-1

Cuts: 5-2-4

Read the official reasons by [clicking here](#).

(Source: <https://surechamp.com/blog/2019/05/22/mark-that-card-wether-dams/>)

Determining Your Animal's Weight

Livestock owners often need to know the weight of their animals in order to determine proper feed rations, to administer the proper dosage of a medication, or to track how individual animals grow and use their feed. Approved and properly calibrated livestock scales are the most accurate and consistent method for determining body weight. However, there are several methods that can be used to determine an animal's weight when access to scales is not possible: visual observation or guessing, weigh tapes, and weight estimation formulas.

Visual observation is usually very inaccurate and not recommended for use when determining rations, medication dosages, or when an accurate weight is important.

Weigh tapes are specially marked tapes used to measure the heart girth and convert that measurement to a fairly accurate estimate of the animal's body weight. Weigh tapes are easy to use and can be utilized effectively for monitoring purposes when used in a consistent manner by the same person. They can be purchased for cattle, sheep, goats, hogs and horses through various livestock supply companies.

With weight estimation formulas, a common tape measure is used to determine the heart girth and body length measurement. These measurements are then used to calculate the animal's weight. The weight estimation formulas described below are usually more accurate than a weigh tape and almost always more accurate than visual observation in determining an animal's weight.

Source: (Susan Pater, Extension Agent, 4-H Youth Development, University of Arizona Cooperative Extension, Cochise County, 2007)



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Beef Cattle:

1. Measure the length of body, from the point-of-shoulder (A) to the point-of-rump or pin bone (B).
2. Measure the circumference or heart girth (C). Measure from a point slightly behind the shoulder blade, down the fore-ribs and under the body behind the elbow all the way around.
3. After these measurements are made in inches – use the following formula. (Heart girth X heart girth X body length) ÷ 300 = weight in pounds.

Example:

Heart girth (76") X heart girth (76") X body length (66") divided by 300 = 1,270 pounds.

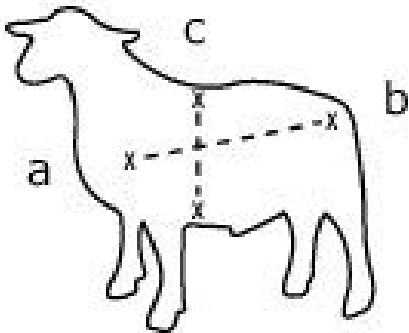
$$76 \times 76 = 5,776$$

$$5,776 \times 66 = 381,216$$

$$381,216 \text{ divided by } 300 = 1,270 \text{ pounds}$$

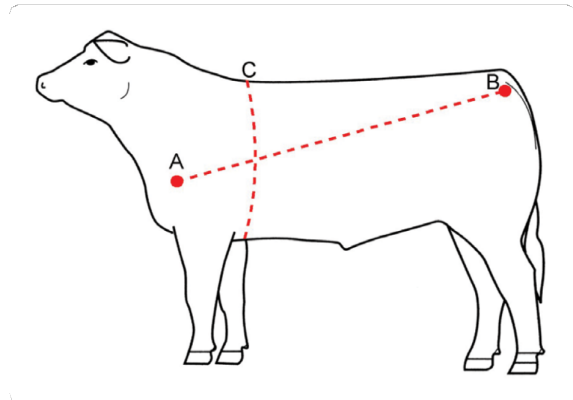
Source: (Susan Pater, Extension Agent, 4-H Youth Development, University of Arizona Cooperative Extension, Cochise County, 2007)

Sheep and Goats:



Unless you are a commercial sheep farmer, you probably do not own a livestock scale to weigh your sheep, goats, lambs or kids. Figuring out how to weigh a sheep or a goat is easy if you can measure the animal's body length and girth. Use this guide to determine the weight of your livestock sheep or goat:

1. Measure the circumference of the animal,



as shown in distance C in the illustration.

Make sure to measure girth in relation to the location of the animal's heart. On a sheep, ensure an accurate measurement by compressing the sheep's wool so that the circumference reflects that of the body and does not include that of the body plus the wool.

2. Measure the length of the animal's body, as shown in distance A-B in the illustration.
3. Using the measurements from steps 1 and 2, calculate body weight using the formula HEART GIRTH x HEART GIRTH x BODY LENGTH / 300 = ANIMAL WEIGHT IN POUNDS.

Example:

If a sheep has a heart girth equal to 35 inches and a body length equal to 30 inches, the calculation would be (35 x 35 x 30) / 300 = 122 lbs

Source: <https://extension.wsu.edu/ferry/heart-girth-and-weight/>

Hogs:

Always weigh at the same time of the day to avoid variation due to feeding and watering. If you do not have access to a scale, there are less accurate methods of estimating weight, such as using a weight tape or using two body measurements (body length and heart girth) and then applying a formula. Weight tapes can be purchased at many feed stores

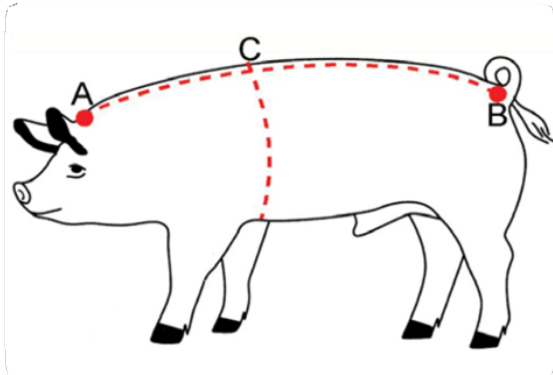


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or livestock catalogs. You may also use a fabric tape measure.

1. Measure the length of body from A to B. Do this by restraining the animal and measuring the length of body from between the ears (poll) over the backbone to the base of the tail.
2. Measure the circumference (heart girth) of body (C). After these measurements are made in inches – use the following formula.
3. $(\text{Heart girth} \times \text{heart girth} \times \text{body length}) \div 400 = \text{weight in pounds}$

Note: For hogs weighing less than 150 pounds, add 7 pounds to the weight figure from this formula; for hogs weighing 150 to 400 pounds, no further adjustment is needed.



Source: (Susan Pater, Extension Agent, 4-H Youth Development, University of Arizona Cooperative Extension, Cochise County, 2007)

Tips for increasing Accuracy and Safety:

- Make certain the animal is standing squarely on level ground.
 - Have someone stand on the opposite side to help with the girth measurement. Make sure the tape lays flat and is not twisted.
 - Pull the tape snug.
 - When using a weigh tape, position the tape according to the manufacturer's directions.
 - A cloth measuring tape is preferred.
 - You may need to restrain the pig or some feed may help you get the needed measurements.
- Be calm, don't rush in. Make sure the animal is comfortable with the measuring tape.
 - When monitoring an animal's weight over time, it is best to have the same person using the same method.
 - By following a set procedure, you will be able to monitor.

Source: (Susan Pater, Extension Agent, 4-H Youth Development, University of Arizona Cooperative Extension, Cochise County, 2007)

Additional References:

Arizona Cooperative Extension. Estimate Animal Weight from Body Measurement. University of Arizona. Q65.

Gibbs, P.G. and D.D. Householder. Estimating Horse Body Weight with a Simple Formula. Texas A & M University. <http://smith-tx.tamu.edu/publications/hrg012-bodyweight.pdf>