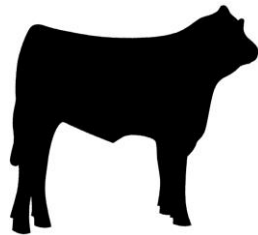


HAWAI`I STATE 4-H

LIVESTOCK SHOW & SALE

RULES AND REQUIREMENTS



The Hawai`i State 4-H Livestock Show is conducted by the
Hawai`i State 4-H Livestock Council
in partnership with the
College of Tropical Agriculture and Human Resources
Cooperative Extension Service
University of Hawaii at Manoa and
Hawai`i Farm Bureau Federation
(Revised 9-20-23)

HAWAI`I STATE 4-H LIVESTOCK SHOW

This official rules and requirements book is for Hawai`i 4-H member livestock exhibitors participating in the annual livestock show and sale supported by the Hawai`i State 4-H Livestock Council, University of Hawai`i at Manoa Cooperative Extension Service, and the Hawai`i Farm Bureau Federation.

The culmination of the 4-H participant’s work and effort in projects related to the production of beef, pork, lamb, chevon, poultry, rabbit and milk is the Hawai`i State 4-H Livestock Show and associated island qualifying shows. To enter animals in county and/or state shows, 4-H’ers and/or their club leaders must contact their County Extension Office. Official entry forms, specific dates, transportation information, and other requirements and expectations shall be furnished.

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AGE AND OWNERSHIP REQUIREMENTS

The 4-H Livestock Projects are open to all youth who are:

- nine years of age as of December 31 of the current 4-H year and have not passed their 19th birthday on December 31 of the current 4-H year
- age 19 or less, on December 31 of the 4-H year of the fair and who can provide *daily* care for their animal(s) are permitted to participate in these projects
- officially enrolled in a Hawai`i 4-H Youth Development program
- the owner of the animal(s) exhibited and enrolled in the given species project according to the following timelines:

Project	Deadline	Marker
Market Beef	January 1	of the 4-H year
Breeding Beef	January 1	of the 4-H year
Dairy Heifer	9 months	prior to official weigh-in at State Show
Meat Goat	90 days	prior to official weigh-in at State Show
Replacement Doe/Dairy	90 days	prior to official weigh-in at State Show
Market Lamb	90 days	prior to official weigh-in at State Show
Market Hog	90 days	prior to official weigh-in at State Show
Poultry	90 days	prior to official weigh-in at State Show
Breeding Rabbit	90 days	prior to official weigh-in at State Show

LIMITED SPACE PROVISION

4-H livestock stall/pen space may be limited at the Hawai`i State Farm Fair. The Hawai`i State 4-H Livestock Council reserves the right to limit the number of animals from each island at the Hawai`i State 4-H Livestock Show. When total project numbers are available, the system for allocating pen space to each unit will be formulated if it is established that a need exists. The following limitations have been suggested:

Project	Suggested Pens/Stalls	Project	Suggested Pens/Stalls
Market Beef	15	Market Lamb	20
Breeding Beef	7	Market Hog	20
Dairy Heifer	5	Poultry	10
Meat Goat	10	Breeding Rabbit	10
Dairy Goat	10		

** These suggested limitations are subject to change at the discretion of the Hawai`i State 4-H Livestock Council and the Hawai`i Farm Bureau Federation.

GENERAL RULES FOR ALL SPECIES

(Beef, Dairy, Lambs, Swine, Goats, Poultry & Rabbit)

The 4-H Livestock Project is open to any youth that meet the age requirements and are officially enrolled in 4-H. The project for exhibiting at the Hawai'i State 4-H Livestock Show is limited to 4-H livestock project animals listed in this document. Animals are to be owned by the 4-H member and may be purebred or grade animals.

General Rules

1. No animals showing signs of feral breeding are allowed.
2. Exhibitor must have suitable place to keep the animal.
3. For Hawai'i State 4-H Livestock Council purposes, Moloka'i and Lāna'i are considered as separate units.
4. All animals entered at the State Farm Fair may be used in the State Livestock Judging Contest.
5. Animals exhibited by 4-Hers are only allowed to be sold through the Auction sanctioned through the Hawai'i State 4-H Show and Sale.
6. No animals owned and exhibited by 4-Hers or Cloverbuds are allowed to be sold, marketed or 'advertised for sale' at the event grounds during the entirety of the event.
7. Any animal failing to meet the minimum weight requirement cannot enter into its respective contest and needs to be removed from the event grounds.

Cloverbuds

Cloverbuds may bring rabbit demonstration projects if space permits. Cloverbuds are not eligible to sale animals or receive premium funds of any kind. They may not receive placing ribbons or awards, only participation ribbons/recognition.

Transportation and Housing of Animals

1. Air conveyance shipping costs to show grounds shall be borne by the 4-H member exhibitor.
2. All arrangements for the same species must be handled by the representative of the respective island committee.
3. The Hawai'i State Farm Fair shall obtain sufficient equipment to house and feed 4-H class animals.

Forms, Tags, Etc.

1. All steers, heifers, lambs, goats and swine must be given ear tags at the start of the project.
2. Ear tag numbers should be visible from a distance of at least five feet.
3. To ensure no duplication of numbers, the respective CTAHR Extension Agent will be responsible for assignment of numbers:
 - a. Big Island: 1 series
 - b. Maui: 2 series
 - c. Oahu: 3 series
 - d. Molokai: 4 series
 - e. Kauai: 5 series
4. Market lambs and replacement goats must have Scrapie tags. Flock tags (optional).
5. All poultry must have leg bands at the start of the project.
6. All rabbits must have legible tattoo in left ear at the start of the project.
7. All youth raising livestock must have a Premise ID number. To obtain a Premise ID, complete the form (<http://hdoa.hawaii.gov/ai/ldc/hawaii-animal-disease-traceability-program/>) and submit to the Hawaii Department of Agriculture Animal Industry Division. Youth need to include the Premise ID number on

the front cover of their project book.

8. When animals are being moved (for example, to a show) a completed DC-44 form must accompany the animals. Contact your County Extension Office or obtain from Hawaii Department of Agriculture offices.
9. 4-H Livestock Project and Record Books – most current editions available on the Hawaii State 4-H Website, (<http://manoa.hawaii.edu/ctahr/4h/project-and-record-books/>)
10. Books must be completed and received at the State 4-H Livestock Show Office by 2:00 p.m. on the day of the official weigh-in.
11. All calculations must be completed based upon the official weight taken at the Hawai`i State 4-H Livestock Show weigh-in.
12. Missing information (exact starting dates, weights, etc.) will result in the disqualification from all contests that require information contained in the project record (Production Efficiency Management).
13. Calculations may be checked for accuracy.
14. Records will be made available to the judge.
15. Livestock Project Books and Senior or Junior Record Books will be evaluated, and awards will be given for the best record books.

Pre-Show Requirements

1. Members must have sufficient funds to purchase an animal and to buy appropriate feeds. It is possible to finance the purchase of an animal. Consult your Extension Agent.
2. Every year, all 4-H youth must complete a Youth for the Quality Care of Animals Training, taught by a qualified instructor, before participating in the Hawai`i State 4-H Livestock Show. Consult your Extension Agent.
3. County blue ribbon animals only may be entered in the State 4-H Livestock Show. If there is no county contest, animals entered must be screened by a qualified county livestock committee to determine whether the animal is of high quality and meets weight standards before delivery to the fairgrounds.
4. Show weights, taken prior to the state show, shall be used for informational purposes, and be shown in the project book. Weights must be taken on scales. Taping and estimating weight is not acceptable for establishing weight gains for record books.

Record Book Contest

4-Hers are expected to keep complete and current record and project books that reflect the goals, efforts, and expenditures of the 4-H member's project. All books must be completed by 4-Hers themselves. A completed project book is mandatory to enter the contest and auction. Breeding project record books will be evaluated similar to Beef record books with JR and SR awards given unless there are less than three breeding animals, then the contests will be pooled.

Show Exhibition Requirements

1. All animals entered in the State 4-H Livestock Show must be at the show grounds by 5:00 PM, the day before the official weigh-in.
2. 4-H contestants must furnish their own grooming equipment and feed during the 4-H show.
3. Uniform 4-H dress code: white short-sleeved sports shirt, polo shirt or blouse with collar and with 4-H emblem on left chest or pocket area; Rabbit members are required to wear long-sleeved shirt/blouse; (T-shirts ARE NOT permissible), standard (solid indigo) blue jeans and firm/hard leather shoes or boots (do not use rubber boots or soft leather topped athletic shoes), are required for all show events.
4. Rubber boots are permissible in the wash rack area only.

5. All 4-H exhibitors, when not exhibiting but in the livestock area, must wear green or white t-shirts identified with the 4-H emblem and covered footwear throughout all the days when official events, including judging, weigh-in, shows, sale and awards brunch, are scheduled.
6. Inappropriately dressed exhibitors will not be permitted to attend the brunch and will not be served.
7. Only animals which are well-groomed and handle well are eligible for exhibit.
8. Only animals with adequate internal and external parasite control are eligible for exhibit.
9. The animals must meet the health standards of the show and sale. The Hawai'i State Farm Fair and the Hawai'i State 4-H Livestock Council reserve the right to exclude any animal from entering the show and/or sale. All substances (including grain alcohol) that produce in the animal a tranquilizing effect are strictly prohibited from use. Modifications of the physiology or appearance through surgical means, through injection, or through dying or other extraordinary cosmetic means is strictly prohibited.
10. The Hawai'i State 4-H Livestock Council reserves the right to request official examination from a licensed veterinarian and laboratories so designated including diagnostic tests to confirm the presence of such substances or conditions if suspicion arises. If tests or examinations prove positive for manipulation, the youth will pay for the cost of the exam and all necessary laboratory work. If tests or examinations prove negative for manipulation, the cost of the exam and all necessary laboratory work will be paid for by the Hawai'i State 4-H Livestock Council.
11. Animals confirmed to have been tranquilized or manipulated or abused will be disqualified and prohibited indefinitely from participating in all 4-H projects where the care of food production animals is involved.
12. The Hawai'i State 4-H Livestock Council reserves the right to explore legal actions regarding adults found to be directly involved with the tampering. The Hawai'i State 4-H Livestock Council will refer the matter to the Cooperative Extension Service at the University of Hawai'i at Manoa for review and possible further action.
13. Healthy animals are a show requirement. No animal shall be admitted or remain on the fairgrounds that shows any evidence of any communicable disease or any unsightly disease condition. The fair management reserves the right to require health inspections and diagnostic tests to be made before or after animals are on the fairgrounds or to inaugurate disease control procedures which may become necessary in emergencies. Refer to species section for specific health requirements.
14. Each member will be assigned an exhibitor number which will be used for show, sale, catalog, or program listing.
15. Entry fees are established by the Hawai'i State 4-H Livestock Council.
16. Each 4-H member is allowed to exhibit one project in each species . Each 4-H participant must also show their own animal(s) in showmanship contests but will be allowed to have another 4-H participant show their animal(s) in other classes in case the member is unable to do so themselves for reasons beyond their control. This will require prior approval of the State 4-H Livestock Council.
17. Sale order of animals shall be placed by the judge of the show commencing with the Champion and Reserve Champion animal in each species. Final sale order will be based on quality of animals which may or may not result in alternating between weight classes for market animals.

Post Show Requirements

1. Each exhibitor is responsible for cleaning their stall before leaving the show.
2. For all animals sold in auction at the Hawai'i State 4-H Livestock Show, a commission will be withheld by the Hawai'i State 4-H Livestock Council to be used at its discretion to support the work of the Hawai'i State 4-H Livestock Council in conducting the Hawai'i State 4-H Livestock Show. The amount of the commission is set by the Hawai'i State 4-H Livestock Council and is subject to change.
3. Slaughter fees, check-off fees and penalties for excess trim will be charged to the 4-H exhibitor.

4. The market value of disqualified yet not condemned meat will be returned to the exhibitor minus necessary fees.
5. 4-H members shall receive their portion of the sale proceeds when collections from buyers are sufficient to pay all 4-H members. In the event collections from buyers are insufficient to pay all 4-H members, then all 4-H members in all projects shall be paid on a pro-rated basis.
6. All market class animals that enter the fairgrounds are to be harvested at the completion of the show or fair or if disqualified must go directly to slaughter or move to an approved isolation area until they can be sent to slaughter. This determination will be made by a committee comprised of the Hawaii State 4-H Livestock Council chair, the species chairs, and the advice of an accredited veterinarian. Blood testing of animals for immediate slaughter is not required.

CONTEST & AWARDS

Carcass Competition

The carcass competition is open to 4-H animals shown in the State 4-H Livestock Show which are subsequently harvested at a designated slaughterhouse, then judged in carcass form. Each carcass is judged upon its characteristics as compared with current standards established by the United States Department of Agriculture. Carcasses will be grouped into U.S. grade classes. Awards will be made for the Champion and Reserve Champion carcasses.

Production Efficiency/Carcass Merit

This contest will be on carcass merit with placing to be based on two criteria for Steers & Lambs:

1. 50% growth rate while on feed.
2. 50% carcass merit based on carcass measurements required for carcass evaluations.

This contest incorporates the following categories and percentage emphasis for Hogs:

1. 40% growth rate of the carcass animal from the time it is placed on project until final weight taken at the state 4-H Livestock Show.
2. 20% Feed Efficiency (Pounds of Feed/Total Weight Gain).
3. 40% Final carcass evaluation.

This contest incorporates the following categories for Dairy Heifer Meat Goats, Fancy Poultry and Meat Breeding Rabbits:

1. Efficiency will be judged on the basis of average daily gain in pounds and cost per pound of gain over the entire duration of the project.

Showmanship

The Showmanship Contest is available for all 4-H exhibitors. All exhibitors are required to follow the 4-H uniform dress code. Classes will be divided into a junior and senior division. Exhibitors will be judged based on the Danish System. The top two exhibitors will be selected by the judge and recognized. Each contestant will be judged for appearance, the appearance of the animal (condition, grooming, clipping, cleanliness), knowledge of animal project and the contestant's showing ability of the animal (leading, posing, showing animal to best advantage, poise, alertness, attitude). Whenever there are fewer than two junior or two senior 4-H members showing a given species, junior and senior divisions will be combined with joint competition and reduced awards.

Champion Exhibitor

A Champion Exhibitor is selected in each species. Participants who earn the highest number of accumulative points in live animal placing and showmanship will be judged the Champion Exhibitor.

Scoring will be as follows:

- Five points for first or a blue award
- Three points for second or a red award
- Two points for third or a white award

Classes

1. Class 1. Live Animal – Classes to be divided by weight at the discretion of the livestock species chair or judge.
 - a. Dairy Heifer/Breeding Beef, Replacement Doe (Meat Goat), Breeding Rabbit Class
 - b. Market Beef, Market Hog, Market Lamb
 - c. Poultry - Large Fowl Class
 - d. Poultry - Bantam Class
2. Junior Showmanship Class
3. Senior Showmanship Class
4. Market Carcass
5. Efficiency and/or Carcass Merit
6. Project Exhibitor
7. Project & Record Books

Awards

For meat animals, ribbons will be presented to exhibitors in classes based upon USDA grade and/or quality. Animals are to be placed in ranked order within each group based upon the following criteria:

- Blue Group - Animals having above average conformation and/or showing indications of yielding a high percentage of lean-to-fat and indicating a high grading carcass.
- Red Group - Animals having average conformation and/or excessive finish indicating reduced yield, and characteristics indicating equivalent grade carcass.
- White Group - Animals indicating characteristics with below average conformation and/or low yielding carcasses.

For Dairy, ribbons will be presented to exhibitors in dairy heifer classes based upon the following criteria: Soundness, dairy character and type traits, body capacity, udder soundness, dairy temperament, feet and legs, and overall condition.

The Champion and Reserve Champion will be determined by the judge from the first and second place individuals of each weight group.

- Blue, red and white ribbons will be awarded by the Hawai'i State 4-H Livestock Council to all showmanship participants according to the criteria set forth in this catalog by the judge. The first and second place individuals in the junior and senior divisions will each be awarded.
- Blue, red and white ribbons will be awarded to all carcass exhibitors by the Hawai'i State 4-H Livestock Council. The faculty of the University of Hawai'i at Manoa, Department of Human Nutrition, Food and Animal Sciences will assign final ribbon color and ranking.

- The Hawai`i State 4-H Livestock Council will present awards to the following market/replacement animal exhibitors: **Champion Reserve Champion**
- The Hawai`i State 4-H Livestock Council will present awards to the following market animal exhibitors: **Champion Carcass Reserve Champion Carcass**
- The Hawai`i State 4-H Livestock Council will award the overall high point exhibitor in each species.
- The Hawai`i State 4-H Livestock Council will award the outstanding Production Efficiency/Carcass Merit exhibitor in beef, lamb, hog, dairy, goat, poultry and rabbit categories.
- Special premiums may be awarded at the discretion of the Hawai`i State 4-H Livestock Council.

PROTEST POLICY

All protests must be in writing, signed and accompanied by a deposit of \$50 (cash or certified check) which will be forfeited to the State 4-H Livestock Council if the protest is not sustained. Such protests must state plainly the cause of complaint or appeal and must be delivered to the Chair of the Hawai`i 4-H Livestock Council within one hour after the occasion of such protest, or if age is brought into question, on a day prior to the one on which the animals are to be judged. Protests will be considered by a Protest Committee put together at the event as needed. The committee will consist of one 4-H Volunteer Leader (outside the county involved in the protest), the relevant Species Chair(s), one Extension Agent (outside the county involved in the process), one representative of the Hawai`i Farm Bureau Federation (if available at the time), and one representative of the State 4-H Livestock Council. Protests will be considered as speedily as possible and their decision in the matter shall be final.

MARKET BEEF PROJECT REQUIREMENTS

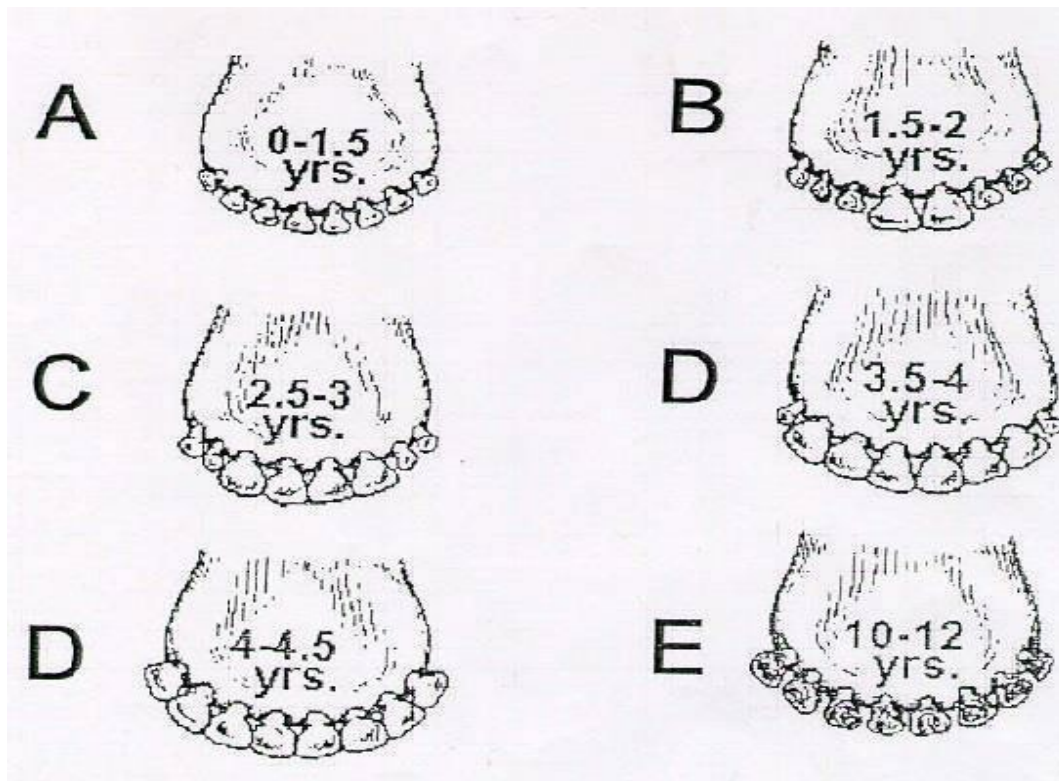
For the 4-H Market Beef Project, a member will need to demonstrate the following:

1. Steers must be less than 24 months of age at the time of the State 4-H Livestock Show. Animals may have one set (two teeth) of permanent incisors to be eligible for the state show. The second set of temporary incisors must be in place. Animal age will be verified by mouthing or by certification of animal age by performance records registered with the Hawai'i Beef Cattle Improvement Association or registration certificates from respective breed associations. All beef projects shall be mouthed at the county level prior to attending the State Show. Mouthing shall be done by a qualified person such as a county agent or local veterinarian. Certification shall be done within six weeks of the State Show. (See Figure 1.00 Incisor Teeth of Cattle of Different Ages).
2. Market beef animals must meet a minimum weight requirement of 950 pounds live weight by official weigh-in to be eligible for the State 4-H Livestock Show.
3. Market beef animals can be naturally polled with scurs. Other market beef animals may have horns no longer than 1 inch in length at the state show. A dehorned animal is one that had the horns physically removed. Dehorning should take place earlier in the project and no later than February 1st of the 4-H year. 4-Hers should file, sand, or trim any horns to a round, smooth finish. The county Agent and Hawai'i 4-H Livestock Council representative must certify within six weeks of the State Show to the Hawaii State 4-H Livestock Council that no unsafe horns are present on animals.
4. Market beef project should be vaccinated and regular dewormed according to industry best management practices for animal health; seek recommendations from volunteer leaders, county agents and local veterinarians for more information.
5. Market beef projects may be straight bred or crossbred. In the case of crossbreds, the breed of the sire will determine the breed under which the animal is shown where breed classes are designated.
6. Market beef projects should have access to ample grass, hay, silage, and/or legumes, preferably a mixture readily available to feed the animal, along with concentrate rations (grain) to supplement available forage.
7. There is a maximum weight limitation of 1,350 pounds on sale weights. Exhibitors will not receive payment for any amount over this weight. Industry specifications require carcasses no heavier than 850 pounds. Animals weighing more than 1,350 pounds at slaughter will generally fall above these industry specifications. Carcasses receiving an official grade of "standard" will be upgraded to "select" with the respective 4-H participant paying the upgrade cost.
8. All animals enrolled in the Market Beef project participate in the Genomic Evaluation contest. DNA samples from each animal will be collected by county agent or volunteer leaders using Tissue Sampling Units provided by University of Hawaii at Manoa Extension. This method allows for DNA samples to be collected in seconds with minimal animal restraint. DNA samples should be sent to Dr. Kyle Caires, Maui County Livestock agent, shortly after collection at the start of the project. The heifers will be ranked based on their genomic values for multiple economical relevant traits following genomic analysis of the DNA collected at the start of the project. Dr. Caires, will tabulate the results like those in carcass contests, and results will be provided to the 4-Hers.

INCISOR TEETH OF CATTLE OF DIFFERENT AGES FIGURE 1.00

Description of Cattle's Teeth to Estimate Age

APPROXIMATE AGE	DESCRIPTION OF TEETH	REFERENCE DRAWING
Birth	Usually only 1 pair of middle incisors	--
1 month	All eight, temporary incisors	A
1.5-2 years	First pair of permanent (middle incisors)	B
2.5-3 years	Second pair of permanent incisors	C
3.25-4 years	Third pair of permanent incisors	D
4-4.5 years	Fourth (corner) pair of permanent incisors	E
5-6 years	Middle pair of incisors begins to level off from wear. Corner teeth might also show some wear.	-
7-8 years	Both middle and second pair of incisors show wear.	-
8-9 years	Middle, second, and third pair of incisors show wear.	-
10 yrs and over	All eight incisors show wear.	--



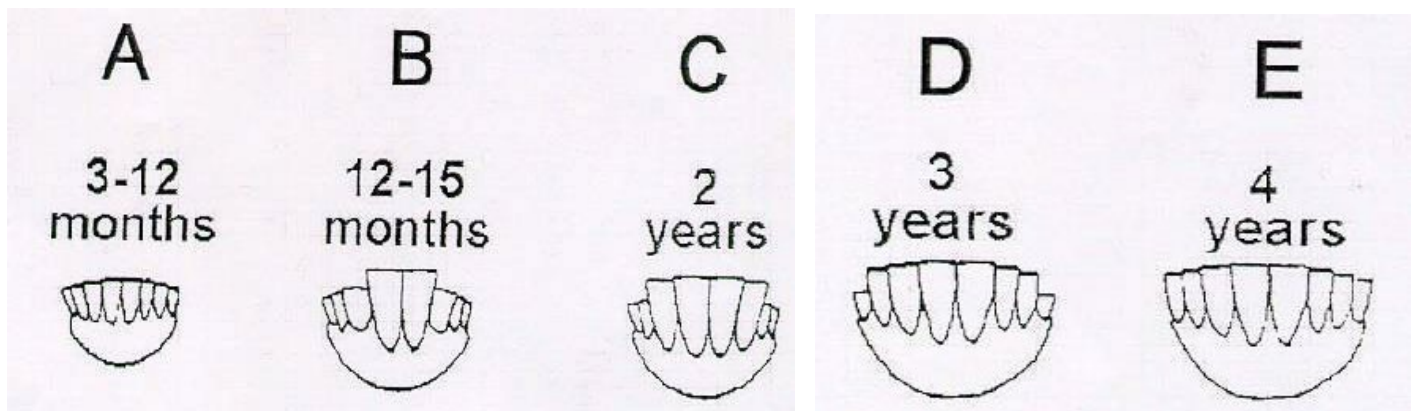
MARKET LAMB PROJECT REQUIREMENTS

For the 4-H Market Lamb Project, a participant will need the following:

1. Market lambs must meet a minimum weight requirement of 80 pounds live weight by official weighing to be eligible for the State 4-H Livestock Show. No rams, cryptorchid, or short-scrotum animals may be exhibited as market lambs
2. All lamb projects shall be mouthed at the county level prior to attending the State Show.
3. Market lamb projects should receive CD&T vaccination to protect from overeating disease and tetanus vaccination, and regular dewormed according to industry best management practices for animal health; seek recommendations from volunteer leaders, county agents and local veterinarians for more information.
4. Market lambs must have a scrapie tag if obtained from the mainland.
5. Mouthing shall be done by a qualified person who has been approved by this Council to determine that they are not over one year of age as evidenced by presence of milk teeth and/or breeder's records (see Figure 2.00).

INCISOR TEETH OF SHEEP OF DIFFERENT AGES FIGURE 2.00

Description of Sheep Teeth to Estimate Age



APPROXIMATE AGE	DESCRIPTION OF TEETH	REFERENCE DRAWING
Birth	No teeth present	--
3-12 months	All eight, temporary incisors	A
12-15 months	First pair of permanent (middle incisors)	B
2 years	Second pair of permanent incisors	C
3 years	Third pair of permanent incisors	D
4 years	Fourth (corner) pair of permanent incisors	E

MARKET HOG PROJECT REQUIREMENTS

1. For eligibility in the state contest, market hogs must have been in possession of the 4-H member for at least 90 days, but not more than 130 days, prior to the official weigh-in at the State 4-H Show and Sale. The hog's initial weight must not exceed 100 pounds at the start of the project.
2. Market Hogs entering contests at the State 4-H Show and Sale must meet a minimum live weight requirement of at least 200 pounds at the official weigh-in
3. There is a maximum weight limitation of 275 pounds on sale weights. Exhibitors will not receive payment for any amount over this weight.
4. The hair on the hog must be at least ½ inch long when shown.

DAIRY HEIFER PROJECT REQUIREMENTS

1. Bred heifers at least 22 months of age but not over 36 months.
2. Heifers= born between July 1 three years preceding the year of the show and July 1 two years preceding the year of the show. Heifers must have been bred no more than 8 months before the State Farm Fair and conceived at least five (5) months before the State Farm Fair.
3. The first and second place heifers of the class will be judged as the Champion and Reserve Champion of the show.
4. To be eligible for the State 4-H Livestock Show, heifers must be screened by a qualified county committee certifying that the heifer is of good dairy quality, including proper fleshing. Screening is to be done between May 1 and June 1 of the current calendar year.
5. Only healthy heifers with four sound quarters and known to be with calf may be shown and offered for sale. A veterinarian or currently active dairy herdsman must certify that the dairy animal has four sound quarters, is pregnant, and may be shown. The certificate should include breeding date (as supplied by the owner). A photocopy of this certificate must be presented with the animal at the designated weigh-in time. In addition, complete Dairy Animal Information sheets must be turned in at the designated weigh-in time. There will be NO exceptions to the above.
6. Before transporting dairy animals to the State Fair, they must be inspected and tested within 60 days of sale date by a local or state veterinarian and certified TB and Brucellosis free. (Advise veterinarian preferably one month in advance. Waiting until the last minute may mean disappointment if a heifer does not pass the necessary tests. There may be a charge for inspecting and testing.) Health papers validating that the heifer is TB and Brucellosis free must be in the possession of the State 4-H Office by June 15.
7. Show weights of heifers shall be used for information purposes and be placed on stall cards.
8. Growth rate weights of heifers for record book purposes may be scale weights or estimated by dairy tape heart girth measurements. Final weights shown on stall cards and to be used for sale information will be scale weights obtained after the heifers arrive at the show grounds.
9. All dairy heifers will be dehorned as per the instructions given in Beef Steer Contest Rule #3.
10. It is strongly recommended that heifers be bred by artificial insemination and that a high quality dairy breed be used.

BREEDING BEEF PROJECT RULES

Heifer Eligibility for the Project

Registered or commercial grade beef replacement heifers are eligible projects. Registered heifers from horned breeds may be shown with horns, so long as those horns are trained using horn weights or an effective sloping procedure (contact your extension agent for more information). Grade heifers must be naturally polled (without horns), dehorned, or tipped. The sire of the heifer must be of a beef breed. If an exhibitor declares that the heifer is registered, the registration papers must be signed off and submitted to the Livestock Agent before the heifer will be allowed to sell. Heifers will be declared ineligible if the animal is not of an acceptable beef type and conformation. Any animal showing predominant (over 50%) dairy breed characteristics shall be eliminated. The animal may be screened for some major defects by the county agent.

All project heifers will be weighed, ear tagged, have DNA collected (using TSUs) and checked for eligibility at this first screening and weigh-in to be held no later than the first week of January of the project year. DNA collected from each heifer needs to be mailed immediately after collection to the CTAHR County Agent supervising the disease screening and genomic analyses.

There are two divisions, bred and open (more information below).

To be eligible for the Bred heifer division, the heifer must be pregnant (more details below), and not over 24 months old (via dentition; see Table 1) at the time of their county show. County show dates vary; therefore heifers should be born between 6/12/20xx and 1/8/20xx (Figure 1) to meet breeding requirements (below).

To be eligible for the Open-heifer division, the heifer must be non-pregnant and between 11 months and 17 months of age, at time of their county show. To accomplish this, heifers should be born on, or after, January 1, 20xx, but not later than July 7, 20xx. More information on aging cattle by teeth is found in Table 1.

Open Heifers		Bred Heifers	
Approximate Birth Date	Age at time of county show	Approximate Birth Date	Age at time of county show
7/7/xx	11 months	12/9/xx	18 months
6/7/xx	12 months	11/9/xx	19 months
5/8/xx	13 months	10/10/xx	20 months
4/8/xx	14 months	9/10/xx	21 months
3/9/xx	15 months	8/11/xx	22 months
2/7/xx	16 months	7/12/xx	23 months
1/8/xx	17 months	6/12/xx	24 months

Figure 1. Target ages at show, with respective birth dates for heifers exhibited in the breeding beef project.

Cattle age at occurrence			
Teeth	Eruption	Full development	Wear
Incisors			
Pinchers	18 to 24 months	24 months	Levels at 5 to 6 years, noticeable wear at 7 to 8 years
1 st intermediate pair	24 to 30 months	24 months	Levels at 6 to 7 years, noticeable wear at 8 to 9 years
2 nd intermediate pair	36 months	24 months	Levels at 7 to 8 years, noticeable wear at 9 to 10 years
Corners	42 to 48 months	24 months	Levels at 9 years, noticeable wear at 10 years
Premolars			
1 st cheek tooth pair	24 to 30 months		
2 nd cheek tooth pair	18 to 30 months		
3 rd cheek tooth pair	30 to 36 months		
Molars			
4 th cheek tooth pair	5 to 6 months		
5 th cheek tooth pair	12 to 18 months		
6 th cheek tooth pair	24 to 30 months		

Table 1. Typical cattle ages when permanent teeth erupt, develop, and wear.

Breeding Guidelines for Heifer classes

Although tremendous variation does exist in calving seasons amongst cattle breeders in Hawai'i, many operators calve in the fall, winter and/or early spring. In order to fit our 4-H livestock venues and in consideration of the local industry, Beef Heifer projects must be bred in order calve between October 15th and February 7th , following the state livestock show and sale in which they are exhibited in. To accomplish that goal, these heifers must be bred no sooner than December 31, and no later than April 30th , of the current 4-H year. The preferred breeding season to fit the calving season for the majority of ranchers in Hawaii will be between January 1st and by April 30st ; albeit some prefer to calve in May. Heifers bred and managed in the aforementioned way also provides an additional benefit to May-calving herds, as they have extra time to recover and regain body condition after having their first calf, and as a result will have a greater chance of rebreeding in a timely manner with the cowherd they will be joining.

Heifers may be bred by natural service or through artificial insemination (AI). Advantages to AI include improved biosecurity, and the ability to use a highly proven, calving ease bull with genetic merit for multiple traits. At least one round of AI is suggested for the project; contact your local county agent for more details. Regardless of AI or natural service mating, project heifers should be bred to bulls with low birth weights in order to reduce calving difficulty.

Heifers will be pregnancy tested prior to entry at their county show by the county agent or a veterinarian. Heifers that are close to the April 30th breeding deadline may be re-checked again at the official weigh in prior to the county show. Pregnant heifers meeting these guidelines are eligible for entry in the Bred Heifer division contest. Heifers that are not pregnant are eligible for entry in the Open Heifer division contest.

Animal Substitutions

If a breeding or health problem (death, severe injury or illness) should occur, as evidenced by a veterinarian or the county agent, a substitute heifer maybe allowed if certified and approved in writing with the county agent by the third week of January. For substitution to occur, the 4-Her is responsible for notifying their leader, the beef heifer chairperson and their county extension agent as soon as possible.

State Show and Sale

Replacement Heifer Contest

There will be two divisions (classes) for Heifers: Bred (pregnant) and Open (non-pregnant). Weight classes (if needed) will be determined by the show judge, and state livestock screening committee. Heifers will be judged on conformation, performance and overall quality and condition. The top two heifers from each division will entered in a new class, and both a Supreme Grand Champion, and Supreme Reserve champion will be chosen. All heifers must be shown by 4-Her who officially enrolled heifer at weigh in of project.

Genomic Values / Genetic Evaluation Contest

All heifers enrolled in the Breeding Beef project participate in the Genomic Evaluation contest. DNA samples from each heifer will be collected by county agent or volunteer leaders using Tissue Sampling Units provided by University of Hawaii at Manoa Extension. This method allows for DNA samples to be collected in seconds with minimal animal restraint. DNA samples should be should to Dr. Kyle Caires, Maui County Livestock agent, shortly after collection at the start of the project. The heifers will be ranked based on their genomic values for multiple economical relevant traits following genomic analysis of the DNA collected at the start of the project. Dr. Caires, will tabulate the results like those in carcass contests, and results will be provided to the 4-Hers.

Auction and Sale

At the time when state entry forms are submitted, all exhibitors must declare if their Breeding Beef project heifer will be sold at auction. This decision is final. Heifers have to be palpated for pregnancy status and mouthed to determine that age requirements are met by a veterinarian or county agent prior to the weigh-in at the show. Breeding Beef projects eligible for the sale, will not be auctioned by pound, but rather by the lot. Prior to the auction an announcement will be made that all Beef Breeding heifers sold through the sale are sold as is with no slaughtering process. The sale order for heifers will be according to their placement in the show (the highest placed animal, sells first); the show judge will determine the final sale order

MEAT GOAT REPLACEMENT DOE PROJECT REQUIREMENTS

The Meat Goat Replacement Doe contest is held to judge which doelings (young does) are likely to be good mothers of meat goats. Major points to be considered are structural correctness, muscling, conformation, condition, and quality.

1. The 4-Her must have in his/her possession one replacement female goat, non-pregnant, that must contain at least 50% meat goat breeding. A crossbred, multipurpose goat that meets the age requirements is acceptable. No feral or mountain goat breeds allowed. Young does must have a scrapie tag if obtained from the mainland.

2. All replacement doe projects shall be mouthed at the county level prior to attending the State Show. Mouthing shall be done by a qualified person such as a county agent or local veterinarian. No animal can be more than 12 months old at time of county show.
3. Replacement doe projects should receive CD&T vaccination to protect from overeating disease and tetanus vaccination according to industry best management practices for animal health; seek recommendations from volunteer leaders, county agents and local veterinarians for more information.
4. The animal should be adequately fed and provided with care, to maintain adequate internal and external parasite control .
5. Replacement does should be tipped and smoothed prior to the show. Pregnant goats will be required to leave the show grounds.
6. Replacement does are not sold by the pound. Replacement female goats are auctioned with a total price for the animal and will not be auctioned by the pound. Prior to the auction an announcement will be made that all replacement female goats sold through the sale are sold as is with no slaughtering process.

DAIRY GOAT PROJECT REQUIREMENTS

This section is in DRAFT form. To Be Updated and Approved at a later date.

- All Breeds (Nigerian Dwarf, Nubian, Saanen, Oberhasli, Alpine, Sable, Toggenberg & La Mancha)
- All Dairy Does 2 years and older must be in milk at time of show.
- Horned animals will be accepted.
- No bucks allowed on grounds. Must be removed immediately.
- Females Only
- One entry per exhibitor

- | | |
|--|-------------------|
| 1. Newborn/Jr. kid | 1/1/xx – 3/30/xx |
| 2. Intermediate/Sr. kid | 6/1/xx – 12/31/xx |
| 3. Yearlings | 6/1/xx – 5/31/xx |
| 4. Yearling Milker | 6/1/xx – 5/31/xx |
| 5. 2- & 3-year-olds | 6/1/xx – 5/31/xx |
| 6. 4 years & older | 5/31/xx & prior |
| 7. Best Pair: Any two animals, any age, owned by one exhibitor and shown as individuals. | |

MARKET GOAT PROJECT REQUIREMENTS

Market Class

The Market Meat Goat contest is held to judge which goat exhibits the best combination of type, quality, and most desirable carcass. For the 4-H Meat Goat Project, a participant will need the following:

1. 1.A good quality meat-type female goat or market goat that will not be over 12 months old at the time of the Hawai'i State Livestock Show and Sale. The goats must be mouthed at the county level prior to attending the state show A crossbred, multipurpose goat that meets the age requirements is acceptable. The goat should exhibit evidence of meat goat breeding. No bucks (intact males) or feral goats are allowed.
2. Knowledge of and/or assistance to maintain adequate internal and external parasite control. Market goat horns must be disbudded or tipped.
3. Market goats are not sold by the pound.

MEAT BREEDING RABBIT PROJECT REQUIREMENTS

The 4-H Meat Breeding Rabbit contest is held to judge which does are likely to be good mothers of meat rabbits. Major points to be considered are structural correctness, muscling, conformation, condition and quality. For the 4-H Meat Breeding Rabbit Project, a member will need the following:

1. Animal
 - a. Single Doe(s) – The project can include a minimum of one purebred or crossbred doe. Members must own the rabbits. Must have had the animals in their possession 90 days prior to show.
 - b. 4-H Members are limited to exhibiting only one Meat Breeding Rabbit project.
 - c. Rabbits should exhibit evidence of meat rabbit breeding. All Meat Breeding Rabbit projects must be between the ages of 7 and 10 months old at the time of official weigh-in. The rabbits must be screened at the county level prior to attending the state show. Any rabbit that does not meet this requirement will be required to leave the show grounds.
 - d. All Meat Breeding Rabbits must be unbred. Bred rabbits will be required to leave the show grounds.
 - e. Purebred rabbits are recommended.
 - f. The rabbits must conform to breed type and conformation for that breed. Any inferior rabbit or any rabbit with major defects will be eliminated.
2. Breed class may be combined if there are fewer than 3 animals in the class.
3. At the time when state entry forms are submitted all exhibitors must declare if the Meat Breeding Rabbit will be sold at auction. This decision is final. Meat Breeding Rabbits will not be auctioned by pound. Prior to the auction an announcement will be made that all Meat Breeding Rabbits sold through the sale are sold as is with no slaughtering process.

POULTRY PROJECT REQUIREMENTS

Egg Layer Poultry Project

Poultry will be determined by the judge based on overall quality and egg laying capacity.

1. Animal
 - a. Poultry must be an egg-laying hen, the minimum age must be 18 weeks old at the time of possession and not older than 18 months old at the State Show. Hens should exhibit evidence of being an egg-layer breed. No miniature or bantam chickens are allowed.
 - b. 4-H Members are limited to exhibiting only one Poultry project.
 - c. All Poultry must have a county leg band.
2. Poultry exhibitors are required to provide documents that the birds originate from a National Poultry Improvement Plan (NPIP) official Pullorum-Typhoid Clean flock or have had a negative Pullorum-Typhoid test within ninety (90) days preceding exhibition.
3. The State Livestock Council will furnish exhibition coops. Birds may only be removed from cages for daily cleaning of the cage and pre-judging grooming.
4. Poultry may not be placed in cages until approved by the State Veterinarian or USDA representative or Species Chair and may be declined if entry appears unhealthy or infested with internal or external parasites.
5. Exhibitors must provide feed and water containers (1 each per cage) and feed and water birds daily.
6. All poultry must be caged individually.
7. At fair check-in poultry will be weighed, and age, breed and variety will be recorded.
8. Poultry must be groomed, clean and free of external parasites.

9. 4-H members must be present for judging and will carry their project to the tables for judging. If assistance is needed, only another 4-H member may help.
10. The Judge has the right to NOT handle any bird they deem too aggressive. Those birds will be scored accordingly.
11. No poultry can be removed from the premises prior to the conclusion of the show without the consent of the Hawaii State 4-H Livestock Council .
12. At the time when state entry forms are submitted all exhibitors must declare if the Poultry will be sold at auction. This decision is final. Poultry will not be auctioned by pound. Prior to the auction an announcement will be made that all Poultry sold through the sale are sold as is with no slaughtering process.
13. Sale order is determined by the official judge. Final sale order will be based on quality of animals in the individual Poultry class.
14. Poultry must meet all health recommendations set by the Hawai`i state veterinarian.

LIVESTOCK AND MEATS JUDGING CONTESTS

Purpose

The purpose of the Hawai`i State 4-H Livestock and Meats Judging Contest is to provide a forum for individuals and teams to compete in an educational program at a state level.

Senior Contestants and Eligibility

1. Each county may enter one team of one (1) to four (4) contestants plus one alternate in a Senior Division. Alternates must be designated. The team may be selected by any procedure which the county deems appropriate. The team must compete according to entry as submitted. If team members drop out of competition before or during the contest, they will not be eligible for individual ranking. Teams may compete with three (3) members, but no alternate score will be available.
2. Contestants eligible to participate in the state contest must be currently enrolled in a 4-H livestock project or must have completed a livestock project at the county level or at the State 4-H Livestock Show during the present year.
3. Senior contestants must be at least 14 years of age, but not yet have achieved their 19th birthday on December 31 of the current 4-H year and must not have completed a semester of higher education beyond high school.
4. Official team contestants must not have previously competed in a national 4-H Livestock Judging Contest.
5. Selection of traveling team will follow the State 4-H Policy on National competitive events:
The priority order of selecting state teams to attend national 4-H competitive events is as follows:
 1. County teams are preferred even if there is only one county team composed of at least 3-4 members at a state-level qualifying event.
 2. In the case of a qualifying county team is unable to field a complete traveling to compete at a national contest, the next placing county team at the state qualifying event will be the traveling team.
 3. In case there is not at least one qualified county team composed of 3-4 members at the state qualifying event, OR if a qualified team is unable to field a team for the national contest, an "all-star team" can be created from the top 4 individual scoring participants at the qualifying event.

Junior Contestants and Eligibility

1. Each county may enter one team of four (4) contestants consisting of three regular team members plus one alternate in a Junior Division. Alternates do not need to be designated. The team may be selected by any procedure which the county deems appropriate. The team must compete according to entry as submitted. If team members drop out of competition before or during the contest, they will not be eligible for individual ranking. Teams may compete with three (3) members, but no alternate score will be available.
2. Contestants eligible to participate in the state contest must be currently enrolled in a 4-H livestock project or must have completed a livestock project at the county level or at the State 4-H Livestock Show during the present year.
3. Junior contestants must be at least 9 years of age, but not yet have achieved their 14th birthday on December 31 of the current 4-H year.

Basic Rules and Procedures

This contest is an individual competition as well as a team effort; therefore, individuals are expected to compete independently even though they represent a county team. To facilitate individual competition and allow for more orderly judging of classes, contestants will be separated into several groups. When possible, this grouping will be done in such a manner that no two members of any county team are in the same group. Group leaders will be assigned to each group. Group leaders will serve as monitors and direct the contestants from one class to another. Group leaders will inform the contestants when to begin and end judging of a class, collect score cards and maintain order within the group.

Because this is an individual competition, talking between competitors is prohibited. Individuals who talk during the competition will be warned once. The second time their cards will be removed and they will be dismissed from the competition. Contestant questions or comments during the competition should be directed to the group leader only. In order to maintain a good competitive atmosphere, it is necessary that all coaches, leaders, parents, guests and non-participating 4-H'ers refrain from talking in the general vicinity of the competition. If necessary, all non-participating individuals will be asked to leave the area of the competition.

Classes

Class 1. Junior Livestock & Meat Judging Team
Class 2. Junior Individual, Livestock & Meat Judging

Class 3. Senior Livestock & Meat Judging Team
Class 4. Senior Individual, Livestock & Meat Judging

Awards

Island – 1 st Sr.	Perpetual Trophy	High team total, all classes. Ribbons to individual team members
Senior – 1 st Ind.	Trophy – Medium	High total points, all classes.
Senior – 2 nd	Ind. Trophy- Small	High total points, all classes.
Island – 1 st	Jr. Trophy – Large	High team total, all classes. Ribbons to individual team members
Junior – 1 st	Ind. Trophy – Medium	High total points, all classes.
Junior – 2 nd	Ind. Trophy – Small	High total points, all classes.
High Individual Judges – Species	Ribbon	High individual score each species.

Contest Procedures

Orientation

The judging contest will begin promptly as scheduled. All contestants will meet at the livestock arena for an orientation session, assignment of groups, and distribution of scoring cards and class information. At the orientation session, contestants will be informed of which classes are reason classes and any additional information about the classes will be presented at this time (such as whether animals may be handled or not).

Placing Classes

After the orientation session, the placing classes will begin immediately. Group leaders will direct contestants to their starting classes. Upon arrival at the class location, contestants should turn to face opposite of the class until told to begin by their group leader. Contestants not following this rule will be warned and may be dismissed. The group leader will inform the contestants before the class begins the name of the class. Contestants will have 12 minutes to judge each class. Contestants should ask the group leader or animal handlers to move animals if desired. If animals are to be handled, contestants will not be allowed to handle animals until after a 3-minute general observation period. Animals are to be handled only once by each contestant. At the end of the time period, group leaders will inform contestants to hand in judging cards. At this time, all contestants should turn away from the class, mark their placing, if not already done so, and hand them to their group leader. Contestants should then wait quietly for the group leader to direct them to their next class.

Oral Reasons

After all groups have finished with the placing and meat identification classes, group leaders will direct them to the location where oral reasons will be presented. There will be an opportunity for a short break during this time, but this will still not allow for talking among the contestants. Contestants will be seated and called upon to present oral reasons by a predetermined order. Contestants are expected to remain in their seats until called upon and to refrain from talking during this time. Talking will result in disqualification from the contest. After completing each set of reasons, contestants should return to their assigned seats and prepare for their next reasons class. After completion of their final reason class, contestants will be dismissed, but should be aware that other contestants may still be competing and, therefore, should refrain from talking in the vicinity of the contest.

Conclusion

After all contestants have given reasons an official set of placing and reasons will be given. This will allow individuals to learn from their mistakes and gain knowledge into why and how the classes were placed by the contest judging officials.

Class Descriptions

The Hawai'i State 4-H Livestock and Meats Judging Contest includes beef, sheep, and swine livestock classes. In addition, a class of meat identification serves as a basic introduction to meat identification and judging. Contestants compete in two basic divisions: placing classes (both breeding and market) and oral reasons.

Class Divisions

Placing Classes

Placing classes worth 50 points each are presented. Typically, at least three market classes (one per specie) will be presented, with replacement male or female classes comprising the remainder.

Oral Reasons

Three sets of oral reasons worth 50 points each are required of contestants and will be from the beef, sheep, and swine classes. Reasons may be on either market or breeding classes.

Meat Identification (70 points)

15 cuts of meat from beef, lamb and pork will be presented for identification. Contestants will be asked to identify species, primal cut, retail name and type of cut. Scoring will be done utilizing the Hawai`i 4-H Meat Identification Sheet.

National Contests

Pending availability of resources, the senior livestock judging team (four members and coach) with the highest score will represent Hawai`i at one of the National 4-H Livestock Judging Contests. The Hawai`i State 4-H Livestock Council will financially assist to the extent of ½ of air travel for the four team members and one coach subject to the availability of funds in the Council. Any donations specifically for the support of this award will be in addition to the Council's share.

1. There are four possible contests that may be entered:
 - Aksarben 4-H Livestock – Omaha, NE – Late September (Entry deadline Sept. 1)
 - American Royal - Kansas City, MO- Late October (Entry deadline mid Sept.)
 - National 4-H Livestock Judging - Louisville, KY–Mid November (Entry deadline Oct. 1)
 - Western National Roundup – Denver, CO – First Week of January (Entry deadline mid Nov.)
2. Team members may choose to participate in only one of these contests and clearly must decide early to meet the entry deadlines and for travel arrangement be completed.
3. Team members MUST commit to participating no later than 30 days AFTER the State Livestock Judging contest.
4. Each team member will submit a \$100 deposit toward travel expenses, no later than 30 days after the State 4-H Livestock Judging contest. Failure to do so will result in their forfeiting their position on the team.
5. The top scoring judge (captain) on the team will suggest a coach pending the approval of the HSLC.
6. Registration to the selected contest will be completed by a University of Hawaii designee.
7. Travel arrangements will be made for the team and coach, in coordination with the team, by the Hawaii State 4-H Livestock Council or their designee.
8. All fundraising monies will be forwarded to an approved state or county 4-H organization to cover expenses for the event for team members and coach only.
9. If more funds are raised than needed for the trip, the individual deposit will be refunded to members.
10. At the conclusion of the national competition, within 30 days, each team member will submit a report outlining their experience to the State Livestock Committee.
11. The Coach will submit a report to the State Livestock Committee within 30 days which shall include:
 - Competition results
 - Detailed Expenses
 - Summary of activities
 - Recommendations and challenges
 - Other items of interest

HERDSMANSHIP CONTEST

The Herdsmanship contest is open to all 4-H members participating in the Hawai`i State 4-H Livestock Show. It is a contest among individuals. The general attitude, knowledge and cooperation of the 4-Hers, both in and out of showring will be evaluated. 4-H members may be disqualified if they do not do the work themselves. The contest will begin upon arrival of the last animals on the show grounds and will end on the closing date of 4-H activities.

One representative from each county will use the herdsmanship worksheet to record and calculate scores. Winner will be selected based on a compilation of scores from the worksheet.

AWARDS

The Hawai`i State 4-H Livestock Council will award winners in each division, Junior and Senior.