

Owyhee County 4-H Dairy Cattle Checklist

Member's Name: _____ 4-H Club: _____

Current Year: 20 ____ Number of years in Project ____ Age (as of January 1): ____

Age Division (circle one): Junior (8-10) Intermediate (11-13) Senior (14-18)

Project Description: Care for one or more dairy cattle for at least 90 days before exhibiting at the county fair.

All members (regardless of age) should begin with Level 1. Youth must complete at least 5 skills/year. A minimum of 15 different skills should be completed before advancing to the next level. Older youth just entering the project are encouraged to move through Levels 1 and 2 at an accelerated rate to enhance their overall 4-H career learning experience.

See "2022-2023 Idaho 4-H Project Requirements Handbook" for more information about state requirements for this project. Submit this checklist annually with your animal project record book. This page will be new each year.

√	Requirement	Details	Date Completed	Leader Initials
	Enroll in 4-H and pay necessary dues.	Enroll at https://4h.zsuite.org/ & pay enrollment fee to your 4-H leader before March 1.		
	Attend six or more club/project meetings.	Each member must attend six or more meetings to be eligible to participate in Fair.		
	Complete a community service project.	The project must be completed in Owyhee County.		
	Complete annual ethics training.	Each member must complete an ethics activity each year.		
	Give an oral presentation related to <u>this</u> project area.	Must be completed at a <input type="checkbox"/> Club or <input type="checkbox"/> County level. Topic: _____		
	Complete an Involvement Report.	Submit via ZSuite before Fair.		
	Complete a 4-H Breeding/Pet Animal Project Record Book.	Submit via ZSuite before Fair. Start a new record each year.		
	Submit Fair entries.	Entries are open June 15-July 15. Entries are required to exhibit at Fair. Late entries will not be accepted.		
	Complete this Checklist and submit to your leader before Fair.	Must be signed by member, parent, and leader to be considered complete.		
	Own and provide primary care of one or more dairy cattle.	Own and provide primary care, proper housing, and feed for your animal(s) for at least 90 days. If leasing an animal, a lease agreement must be submitted to the Extension Office 90 days before Fair.		

I agree that the above requirements have been satisfactorily completed:

Member Signature _____ Date _____

Parent Signature _____ Date _____

Leader Name _____

Leader Signature _____ Date _____

LEVEL 1 SKILLS	Date Completed	Leader's Initials
Identify and describe six breeds of dairy cattle.		
Identify 30 dairy cow body parts.		
Describe the reason to provide livestock bedding for your animal(s).		
Describe the basic facilities (housing, pen space & equipment) needed to safely raise your project animal(s).		
Identify desirable and undesirable traits in dairy cattle.		
Demonstrate how knowing the flight zone of an animal can help you be safe when working with an animal.		
Describe the steps in the milk production system.		
Identify what supplies are needed for showing dairy cattle.		
Describe how temperature and air flow can affect the performance and health of an animal.		
Watch a showmanship video and demonstrate proper showmanship.		
Develop a basic project plan (including income, expenses, and facilities).		
Explain the difference between calf and cow digestive tracts.		
Describe the importance of raising a structurally correct animal.		
Define why reproduction is important in raising dairy cattle.		
List five basic classifications of nutrients.		
Explain why it is important to have a fresh, clean source of water.		
Explain the difference between a roughage, concentrate and supplement.		
Explain the purpose of a feed label.		
Describe at least five symptoms/behaviors of a healthy dairy animal.		
Describe where injections should be given on your animal.		
List three things you can learn from a medication label.		
List three things you can do to prevent your animal from getting diseases.		
Tell why recordkeeping is important in disease prevention.		
Explain how a veterinarian can help you keep your animal healthy.		
Describe what you will need to do to be ready to show your animal.		
Make a list of products that can be used to groom your animal.		
List some of the steps to halter break your animal.		
Make a list of dairy industry related careers.		
Describe how to properly care for your animal at the fair.		
Explain the importance of knowing where food comes from.		
Prepare a thank you card to be used to thank a sponsor or volunteer.		
Discuss why you need to know how much it costs to raises an animal in 4-H.		
(QA) Describe a dairy by-product.		
(QA) Describe two things you can do to properly handle your animal.		
(QA) Describe biosecurity.		
(QA) Conduct a safety evaluation of your livestock facilities; report any changes needed/made to promote animal well-being.		
(QA) Explain good character and ethics.		
(QA) Define sportsmanship. What does it have to do with raising and showing livestock?		
(QA) Describe what Quality Assurance means to you?		

LEVEL 2 SKILLS	Date Completed	Leader's Initials
Describe signs of illness in dairy animals.		
Describe control of common external pests of cattle.		
Review the contents on a drug label.		
Analyze dairy cattle behavior.		
Make a dairy housing blueprint.		
Demonstrate proper milking procedures.		
Identify ways to prevent food-borne illness from milk.		
Explain the importance of dairy products in a healthy diet.		
Explain the impact of temperature extremes (hot & cold), wind and humidity on dairy cattle.		
Identify at least three problems created by insufficient air circulation within dairy cattle facilities.		
List five things to consider when selecting a project animal.		
Evaluate, rank, and give reasons on a class of four dairy cows.		
Participate in a Dairy Cattle Judging activity or contest.		
List three major parts of the male reproductive system.		
Identify heat detection methods used for your cattle.		
Describe the different nutritional needs of a ruminant animal.		
Describe the difference between a "caution" and "warning" on a feed tag.		
Describe why a ruminant animal can breakdown and utilize more complex feeds.		
Describe a valid Veterinary-Client-Patient relationship.		
List six things you can do that would help to keep your animal healthy.		
Explain the difference between a vaccination and a medication.		
List at least three internal parasites common to your animal and describe how to treat for them.		
Define medication withdrawal time and describe why it is important to follow withdrawal times.		
Demonstrate proper grooming and showmanship techniques for younger members in your group.		
Describe where our food comes from to a friend or an adult.		
Describe or give a demonstration on an agricultural career you are interested in.		
Describe the animal identification options for dairy cattle.		
(QA) Describe the term "flight zone" and how you can determine your animal's point of balance.		
(QA) Describe the industry standards for dairy.		
(QA) Create a biosecurity plan for your dairy cattle project.		
(QA) Name the six pillars of characters.		
(QA) Describe unethical behavior and why it's not acceptable in 4-H.		
(QA) Describe the process of a cow being milked from start to finish.		
(QA) Describe the steps you would take to safely haul your animal project.		

LEVEL 3 SKILLS	Date Completed	Leader's Initials
Score the body condition of four dairy animals.		
Identify the parts of the DHIA Herd Summary Sheet.		
Debate an animal welfare issue at a club meeting.		
Evaluate the general public's view on dairy farms.		
Inspect a dairy for milk quality indicators.		
Calculate a ration for a dairy animal.		
Trace the estrous cycle of cattle.		
Explain the procedure for embryo transfer. Describe why a producer would want to use embryo transfer in their herd.		
Explain how to detect pregnancy in dairy cattle.		
Demonstrate how to assist a cow giving birth.		
Give a speech promoting dairy products.		
Identify five careers in the dairy industry.		
Explain the roles of estrogen, FSH, LH and progesterone in reproductive physiology.		
Identify the parts of the female reproductive tract for cattle.		
Describe the impact using artificial insemination could have in a dairy operation.		
Describe difference between fat-soluble and water-soluble vitamins; list the four fat-soluble vitamins.		
Name, in order, the four compartments within the ruminant stomach; explain how roughages are broken down within each compartment.		
Determine how much it will cost to feed your project animal(s).		
Name at least eight items that should be listed on an animal treatment record.		
Describe the impacts that parasites can have on animal production.		
Prepare/give a 7-10-minute presentation on nutrition at your club or group meeting.		
Prepare/give a 7-10-minute presentation on health care at your club or group meeting.		
Prepare/give a 7-10-minute presentation on genetics at your club or group meeting.		
Prepare/give a 7-10-minute presentation on related career opportunities at your club or group meeting.		
Prepare/give a 7-10-minute presentation on reproduction at your club or group meeting.		
(QA) Identify four examples of unethical behavior; explain why each is wrong and what you think the consequences should be for someone doing that.		
(QA) Prepare/give a 7-10-minute presentation on animal husbandry at your club meeting.		
(QA) Prepare/give a 7-10-minute presentation on milk quality to your club.		
(QA) Prepare/give a 7-10-minute presentation on quality assurance practices to your club.		
(QA) Prepare/give a 7-10-minute presentation on ethics education to your club.		
(QA) Describe best practices for weaning and processing calves.		