



2024-2025

Technical Skills Assessment

Animal Science

Results by Standard

Legend (%)		
0-50%	51-75%	76-100%

Assessment: Animal Science	% Correct
Number tested: 168	24-25
CONTENT STANDARD 2.0: IDAHO ANIMAL AGRICULTURE INDUSTRY	71.55%
Performance Standard 2.1: Animal Agriculture Industries and Careers	95.21%
2.1.4 Describe the educational requirements for a career pathway within the animal science industry.	94.48%
2.1.5 Describe working conditions for job titles within the animal science industry.	95.58%
Performance Standard 2.2: Agricultural Business, Marketing, Finance, and Risk Management	87.18%
2.2.2 Describe current industry needs and goals for agriculture marketing.	93.37%
2.2.3 Define risk management in livestock enterprises.	85.64%
Performance Standard 2.3: Beef Industry	56.12%
2.3.1 Determine the facility and equipment needs for beef production.	49.54%
2.3.2 Compare types of beef production systems.	65.47%
2.3.3 Compare grazing systems.	56.63%
Performance Standard 2.4: Dairy Industry	63.31%
2.4.2 Determine the facility and equipment needs for dairy production.	64.09%
2.4.5 Identify dairy quality control standards and requirements.	62.80%
CONTENT STANDARD 3.0: NUTRITIONAL REQUIREMENTS FOR LIVESTOCK	67.93%
Performance Standard 3.1: Digestive Systems of Domestic Animals	71.16%
3.1.1 Compare the ruminant (e.g., cattle, sheep) and monogastric (e.g., swine, avian) digestive systems.	74.40%
3.1.2 Describe the characteristics and function of a ruminant system.	66.30%
Performance Standard 3.2: Livestock Feedstuffs	65.15%
3.2.1 Identify feedstuffs by the nutrients they provide.	32.23%
3.2.2 Identify the benefits of roughages, concentrates, supplements, and additives.	67.03%
3.2.3 Evaluate the differences between good-quality feedstuffs and poor-quality feedstuffs.	87.29%

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3.2.4 Describe how processing, storage, and feeding methods affect the quality of feedstuffs.	71.82%
Performance Standard 3.3: Balanced Livestock Feed Rations	77.90%
3.3.4 Describe how nutritional information is used in developing rations for animals at various physiological stages.	77.90%
CONTENT STANDARD 4.0: LIVESTOCK REPRODUCTIVE SYSTEMS	73.99%
Performance Standard 4.1: Reproductive Management of Domestic Animals	68.51%
4.1.1 Identify the components and functions of the male and female reproductive structures.	72.01%
4.1.3 Identify and interpret the signs of estrus in relation to the reproductive cycle.	65.01%
Performance Standard 4.2: Natural and Artificial Animal Reproduction	72.24%
4.2.3 Describe common issues that could occur during the stages of gestation through parturition.	72.24%
Performance Standard 4.3: Lactation	87.29%
4.3.2 Describe the components of milk and colostrum and their roles in nourishment for newborn livestock.	87.29%
CONTENT STANDARD 5.0: PRINCIPLES OF EVALUATION FOR ANIMAL SELECTION	62.43%
Performance Standard 5.2: Types and Conformation of Production Livestock	62.43%
5.2.3 Evaluate animal phenotypes (e.g., light muscle, maternal, frame size), according to current industry standards.	62.43%
CONTENT STANDARD 6.0: PRODUCTION LIVESTOCK QUALITY ASSURANCE	70.60%
Performance Standard 6.2: Animal Welfare Issues	81.44%
6.2.1 Compare animal welfare and the concept of animal rights.	85.27%
6.2.5 Describe legislation regarding current animal usage and welfare (e.g., extreme confinement, antibiotics, hormones).	75.69%
Performance Standard 6.3: Quality Assurance Standards	57.04%
6.3.1 Describe the importance of quality assurance standards for Idaho's livestock industry.	63.90%
6.3.2 Describe how quality assurance standards are administered.	36.46%
CONTENT STANDARD 7.0: ANIMAL HEALTH AND CARE	79.13%
Performance Standard 7.1.: Animal Health	83.77%
7.1.1 Interpret the behavioral signs of healthy and unhealthy animals.	85.08%
7.1.2 Describe the importance of controlling diseases and parasites in production livestock.	87.29%
7.1.5 Describe the importance of maintaining accurate health records for production livestock.	82.60%
7.1.6 Describe ways of identifying and tracking individual animals.	81.63%
Performance Standards 7.2: Animal Diseases and Parasites	76.80%
7.2.5 Identify common reproductive diseases that affect production livestock.	76.80%
Performance Standards 7.3: Disease Control and Management	76.49%
7.3.1 Describe the use of vaccines in disease control.	50.28%

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7.3.2 Compare appropriate storage methods for medications.	78.45%
7.3.3 Describe methods to administer vaccines and pharmaceuticals.	72.56%
7.3.4 Identify the instruments that administer vaccines and pharmaceuticals.	78.73%
7.3.5 Describe the types of injections (e.g., subcutaneous, intramuscular, intravenous).	89.50%
7.3.6 Determine the appropriate injection sites to administer vaccines and pharmaceuticals.	68.78%
7.3.7 Interpret labels and dosages found on animal medications.	82.87%
7.3.8 Describe how cleanliness affects disease control.	83.06%