

Student's Name \_\_\_\_\_

**APPLIED LIVESTOCK MANAGEMENT AG 0310**

<b>Directions:</b>	Evaluate the trainee using the rating scale below and check the appropriate number to indicate the degree of competency achieved. The numerical ratings of 3, 2, 1, and 0 are not intended to represent the traditional school grading system of A, B, C, D, and F. The descriptions associated with each of the numbers focus on level of student performance for each of the tasks listed below.
<b>Rating Scale:</b>	<b>0 - No Exposure</b> - no information nor practice provided during training program, complete training required. <b>1 - Exposure Only</b> - general information provided with no practice time, close supervision needed and additional training required. <b>2 - Moderately Skilled</b> - has performed independently during training program, limited additional training may be required. <b>3 - Skilled</b> - can perform independently with no additional training.

1. Number of Competencies Evaluated	_____
2. Number of Competencies Rated 2 or 3	_____
3. Percent of Competencies Attained (2/1)	_____
_____	_____
Grade	
Instructor Signature	Date

**01.0 Maintaining Healthy Livestock**

The student will be able to:

- 0 1 2 3  
 01.01 Describe reasons for preventing diseases as compared to simply curing diseases (an ounce of prevention is worth a pound of cure)
- 01.02 Recognize healthy and unhealthy livestock
- 01.03 List the four general causes of disease
- 01.04 Describe an effective overall livestock health program
- 01.05 Match disinfectants to their uses and limitations
- 01.06 Discuss several factors that constitute a good sanitation program
- 01.07 Describe how vaccines should be cared for and used
- 01.08 Name three methods of giving animals oral medicines
- 01.09 Name the agencies responsible for enforcing livestock health regulations in Idaho
- 01.10 Demonstrate the ability to administer oral medicines to livestock

**02.0 Care and Feeding of the Beef Breeding Herd**

The student will be able to:

- 0 1 2 3  
 02.01 Describe the management of the cow and bull prior, during and after the breeding season
- 02.02 Describe the management of the calf including care at parturition, nursing to weaning and growing to maturity
- 02.03 Identify the nutritional requirements for the breeding herd
- 02.04 Discuss the advantages and disadvantages of artificial insemination in beef cattle

- 0 1 2 3  
 02.05 List, diagram and/or describe proper handling facilities, shelters, housing, and use of feeding and watering equipment and systems
- 02.06 Identify factors in sanitation and disease control and prevention associated with breeding animal enterprises
- 02.07 Develop a breeding and feeding program for a cow-calf herd
- 02.08 Discuss the procedure and advantage of fertility and pregnancy testing

**03.0 Beef Cattle Management**

The student will be able to:

- 0 1 2 3  
 03.01 Describe three types of feeding programs for market cattle
- 03.02 Describe the reasons for keeping records on cattle
- 03.03 Identify and discuss methods to increase weight gains and feed efficiencies
- 03.04 Determine adjusted weaning weights, efficiency of gain and dressing percentages of beef cattle
- 03.05 Identify recommended methods to prevent livestock losses in handling and shipping
- 03.06 Identify the factors in animal sanitation and disease prevention
- 03.07 Calculate marginal profit and losses, gain profits, and net profits
- 03.08 Describe four methods of buying cattle
- 03.09 Describe and use management procedures including production records, crossbreeding and identification

#### 04.0 Feeding Dairy Cattle

The student will be able to:

0 1 2 3

- 04.01 List the nutrient areas of concern when balancing a dairy cattle ration
- 04.02 Describe the reasons pastures are becoming less important in commercial dairy herds
- 04.03 Describe the effect of poor quality hay on milk production and grain requirement
- 04.04 Distinguish between advantages of corn, alfalfa and grass silage
- 04.05 Name the most common grains and protein supplements for dairy cattle
- 04.06 List the minerals and vitamins most likely to be deficient in dairy cattle
- 04.07 List the type of information necessary to successfully balance a dairy cattle ration
- 04.08 Balance a dairy cattle ration
- 04.09 Describe general feeding tips for dairy cattle

#### 05.0 Dairy Cattle Management

The student will be able to:

0 1 2 3

- 05.01 List, diagram and/or describe proper handling facilities, shelter, housing, milking facilities, and use of feeding and watering equipment and systems for dairy cattle
- 05.02 Identify factors in sanitation and disease control and prevention associated with dairy cattle production
- 05.03 Describe the relationship between age of freshening and lifetime milk production
- 05.04 Describe proper management practices to be used for dairy bulls
- 05.05 Describe mastitis control and treatment
- 05.06 List (in order) the steps involved in milk let-down
- 05.07 Describe milk flavors with their cause and prevention
- 05.08 Explain three systems of manure handling
- 05.09 List the factors used to classify milk in Idaho
- 05.10 Name four methods of dairy cattle identification
- 05.11 Describe the basic types of records kept on dairy cattle
- 05.12 List types of information recorded on DHIA records

#### 06.0 Care and Feeding of the Swine Breeding Herd

The student will be able to:

0 1 2 3

- 06.01 Describe the amount and kind of feed recommended for sows, gilts, and boars
- 06.02 Describe procedures for maintaining healthy breeding stock
- 06.03 Distinguish among methods of breeding swine
- 06.04 Describe major management guidelines to follow during the gestation period
- 06.05 List in order the appropriate steps in cleaning and disinfecting a farrowing facility
- 06.06 Describe the steps in caring for newborn pigs
- 06.07 Develop a procedure to follow before, during, and after farrowing
- 06.08 Draw a farrowing facility for swine

#### 07.0 Swine Management

The student will be able to:

0 1 2 3

- 07.01 Discuss swine facilities and equipment needed for the different phases of swine production
- 07.02 Identify the health and sanitation problems of the swine industry
- 07.03 Compare nutritional requirements of swine in three general areas: birth to weaning, weaning to 125 pounds, and 125 pounds to maturity
- 07.04 Distinguish between confinement, production systems, and pasture production systems
- 07.05 List and compare three methods of marketing swine for the different systems of production
- 07.06 List key techniques for shipping swine to market
- 07.07 Describe a management program for specific stages of growth for market swine
- 07.08 Describe the basic types of records kept for swine production

#### 08.0 Care of the Sheep Breeding Flock

The student will be able to:

0 1 2 3

- 08.01 Select good management practices when caring for the ewe and ram
- 08.02 Explain the difference in estrus between sheep and other farm animals

0 1 2 3

- 08.03 Describe the amount and kind of feed recommended for the sheep breeding flock
- 08.04 Describe procedures for maintaining healthy breeding stock
- 08.05 Describe the steps in caring for newborn lambs
- 08.06 Explain why a lamb needs colostrum
- 08.07 Describe what is done to prepare ewes for breeding
- 08.08 Describe four procedures for grafting lambs
- 08.09 Identify the best time to dock and castrate lambs

### 09.0 Feeding Sheep

The student will be able to:

0 1 2 3

- 09.01 List the most common feeds fed to sheep
- 09.02 Describe the nutritionally critical time period for ewes
- 09.03 Explain the difference between ewe rations before and after lambing
- 09.04 Describe requirements for a good lamb milk replacer
- 09.05 Explain why lambs are creep fed
- 09.06 Describe ways to increase forage utilization
- 09.07 List the effects improved nutrition can have on wool
- 09.08 Balance a creep feeding ration

### 10.0 Sheep Management

The student will be able to:

0 1 2 3

- 10.01 List the causes of disease in sheep
- 10.02 List necessary vaccinations for ewes and lambs in the western states
- 10.03 List, diagram and/or describe proper handling facilities, shelters, housing, feeding and watering equipment and systems
- 10.04 Describe a successful accelerated lambing program
- 10.05 Describe the advantages of early weaning
- 10.06 Distinguish the primary marketing methods
- 10.07 Describe the basic types of records kept for sheep production
- 10.08 Describe the four methods of sheep production

### 11.0 Poultry and Small Animal Production

The student will be able to:

0 1 2 3

- 11.01 Demonstrate proficiencies and skills in poultry production and management
- 11.02 Demonstrate skills and proficiencies in goat and/or specialty livestock
- 11.03 Demonstrate skills in rabbit or small meat animal production
- 11.04 Demonstrate skills and proficiencies required in production of miscellaneous species
- 11.05 Demonstrate skills and proficiencies required in fish production

### 12.0 Horse Management

The student will be able to:

0 1 2 3

- 12.01 List practices important for maintaining an effective horse care program
- 12.02 List factors important in maintaining healthy horses
- 12.03 List infectious and non-infectious diseases
- 12.04 List, diagram and/or describe proper handling facilities, housing, and use of feeding and watering equipment

### 13.0 Fitting and Showing Livestock

The student will be able to:

0 1 2 3

- 13.01 List the tools and equipment needed to fit and show sheep, swine, beef and dairy animals
- 13.02 Describe the affect the showman's appearance and attitude has in the ring
- 13.03 Demonstrate how to fit swine, beef, sheep, and dairy animals
- 13.04 Demonstrate how to show swine, beef, sheep, and dairy animals
- 13.05 Demonstrate how to clip dairy and beef animals
- 13.06 Demonstrate how to trim hooves on show animals
- 13.07 Explain the purpose of fitting and showing livestock

#### **14.0 Livestock Skills**

The student will be able to:

0 1 2 3

- 14.01 Describe safety factors that should be incorporated when working with livestock
- 14.02 Demonstrate the ability to properly restrain livestock during castration, vaccination, and docking
- 14.03 Describe the do's and don'ts of vaccination
- 14.04 Describe the various types of infections
- 14.05 List the tools used for castration and demonstrate their use
- 14.06 List the precautions to be taken in livestock castration
- 14.07 List the methods of dehorning and the precautions to take when dehorning
- 14.08 Describe the reasons for docking
- 14.09 List tools used for docking and demonstrate their use
- 14.10 Demonstrate the methods of administering growth stimulants
- 14.11 List and describe the methods of identification used for cattle, sheep, and swine
- 14.12 Describe good sheep shearing practices
- 14.13 Describe the stages of parturition in the cow, ewe, and sow
- 14.14 Demonstrate the ability to assist a cow, ewe, sow or mare in giving birth

#### **15.0 SAE - Record Keeping (See AG 120)**

The student will be able to:

0 1 2 3

- 15.01 Review the role of SAE programs
- 15.02 Review types of SAE programs
- 15.03 Review planning and implementing the SAE program
- 15.04 Review the use of the SAE record book
- 15.05 Plan individualized instructional programs in agriculture