

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

|                      |   |
|----------------------|---|
| <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.<br><b>1 - Exposure Only</b> - general information provided with no practice time, close supervision needed and additional training required.<br><b>2 - Moderately Skilled</b> - has performed independently during training program, limited additional training may be required.<br><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 Planting**

The student will be able to:

- |  | 0                        | 1                        | 2                        | 3                        |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 01.01  |                          |                          |                          |                          |
| Discuss row spacing, seeding depth, and seeding rate as they affect plant growth and development               |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 01.02  |                          |                          |                          |                          |
| Discuss how soil texture, soil temperature, soil moisture, and plant emergence structure affect planting depth |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 01.03  |                          |                          |                          |                          |
| List factors affecting final plant population  |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 01.04  |                          |                          |                          |                          |
| Identify different types of planting equipment   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 01.05  |                          |                          |                          |                          |
| List the steps in adjusting and calibrating planting equipment   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 01.06  |                          |                          |                          |                          |
| Calibrate planting equipment to deliver a known amount of seed per acre  |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 01.07  |                          |                          |                          |                          |
| Plan a planting schedule   |                          |                          |                          |                          |

**02.0 Potato Production**

The student will be able to:

- |  | 0                        | 1                        | 2                        | 3                        |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 02.01  |                          |                          |                          |                          |
| Name the stages of growth of the potato plant  |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 02.02  |                          |                          |                          |                          |
| Discuss seedbed preparation for potato production  |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 02.03  |                          |                          |                          |                          |
| List common varieties of seed and discuss major points in selecting and preparing seed                           |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 02.04  |                          |                          |                          |                          |
| Discuss the major factors in planting seed   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 02.05  |                          |                          |                          |                          |
| Make fertilizer recommendations for potato production  |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 02.06  |                          |                          |                          |                          |
| Identify symptoms, names, and causal agents of diseases common to potato production, and discuss control methods |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 02.07  |                          |                          |                          |                          |
| Identify and describe beneficial and harmful insects common to potato production and discuss control methods     |                          |                          |                          |                          |

0 1 2 3

- |   |                          |                          |                          |                          |       |   |
|---|--------------------------|--------------------------|--------------------------|--------------------------|-------|---|
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 02.08 | Identify weeds that are common to potato production and discuss control methods |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 02.09 | Discuss harvesting, handling and storage of potatoes                            |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 02.10 | Identify potential markets for potatoes   |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 02.11 | Discuss enterprise management for potato production                             |

**03.0 Small Grain Production**

The student will be able to:

- |  | 0                        | 1                        | 2                        | 3                        |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.01  |                          |                          |                          |                          |
| Name the stages of growth of small grains  |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.02  |                          |                          |                          |                          |
| Discuss seedbed preparation for small grain production   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.03  |                          |                          |                          |                          |
| List common varieties of seed and discuss major points in selecting and preparing seed                               |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.04  |                          |                          |                          |                          |
| Discuss the major factors in planting seed   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.05  |                          |                          |                          |                          |
| Make fertilizer recommendations for small grain production   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.06  |                          |                          |                          |                          |
| Identify symptoms, names, and causal agents of diseases common to small grain production and discuss control methods |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.07  |                          |                          |                          |                          |
| Identify and describe beneficial and harmful insects common to small grain production and discuss control methods    |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.08  |                          |                          |                          |                          |
| Identify weeds common to small grain production and discuss control methods  |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.09  |                          |                          |                          |                          |
| Discuss harvesting, storage and handling of small grains   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.10  |                          |                          |                          |                          |
| Identify potential markets for small grain   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.11  |                          |                          |                          |                          |
| Discuss enterprise management for small grain production   |                          |                          |                          |                          |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03.12  |                          |                          |                          |                          |
| Describe equipment and adjustment for grain production   |                          |                          |                          |                          |

#### 04.0 Corn Production

The student will be able to:

0 1 2 3

- 04.01 Name the stages of growth of the corn plant
- 04.02 Discuss seedbed preparation for corn production
- 04.03 List common varieties of seed and discuss major points in selecting and preparing seed
- 04.04 Discuss major factors in planting
- 04.05 Make fertilizer recommendations for corn production
- 04.06 Identify symptoms, names, and causal agents of diseases common to corn production and discuss control methods
- 04.07 Identify and describe beneficial and harmful insects common to corn production and discuss control methods
- 04.08 Identify weeds common to corn production and discuss control methods
- 04.09 Discuss harvesting, storage and handling of corn
- 04.10 Identify potential markets for corn
- 04.11 Discuss enterprise management for corn production
- 04.12 Describe the equipment adjustments for corn production

#### 05.0 Forage Production

The student will be able to:

0 1 2 3

- 05.01 Name the stages of growth of forage crop plants
- 05.02 Discuss seedbed preparation for forage production
- 05.03 List common varieties of seed and discuss major points in selecting and preparing seed
- 05.04 Discuss the major factors in planting seed
- 05.05 Make fertilizer recommendations for forage production
- 05.06 Identify symptoms, names, and causal agents of diseases common to forage production and discuss control methods
- 05.07 Identify and describe beneficial and harmful insects common to forage production and discuss control methods
- 05.08 Identify weeds common to forage production and discuss control methods
- 05.09 Discuss harvesting, storage and handling of forage crops
- 05.10 Identify potential markets for forage crops
- 05.11 Discuss enterprise management for forage production
- 05.12 Describe equipment adjustments for forage production

#### 06.0 Pasture Management

The student will be able to:

0 1 2 3

- 06.01 List steps to follow in preparing the ideal seedbed for pasture
- 06.02 List common pasture plants and varieties of each
- 06.03 Discuss major factors in planting
- 06.04 Make fertilizer recommendations for pastures
- 06.05 Identify weeds and brush common to pastures and discuss control methods
- 06.06 List methods to follow in order to increase production of forage growth and advantages of renovating pastureland
- 06.07 Discuss economic value of pasture as compared to other livestock feeds
- 06.08 Discuss enterprise management for pastures
- 06.09 List compatible combinations of plants for pastures in your area

#### 07.0 Rangeland Management

The student will be able to:

0 1 2 3

- 07.01 List suitable grasses and legumes, and factors to consider in selection of rangeland foliage
- 07.02 Identify grasses and legumes which complement each other when grown together
- 07.03 Describe good summer and good winter rangeland
- 07.04 Select the proper method of seeding rangeland when given the soil type and topography
- 07.05 Describe the different grazing systems and ways to prevent overgrazing
- 07.06 Describe the ideal grazing system and identify management principles for a rangeland operation
- 07.07 Calculate, from given data, the carrying capacity of an acreage of rangeland
- 07.08 Calculate the animal units per month (AUM's) of a beef herd or sheep flock using public lands
- 07.09 Calculate the cost of leasing public land based on available AUM's and forage production capabilities
- 07.10 Identify rangeland plants

## 08.0 Sugarbeet Production

The student will be able to:

0 1 2 3

- 08.01 Name the stages of growth of the sugarbeet plant
- 08.02 Discuss seedbed preparation for sugarbeet production
- 08.03 List common varieties of seed and discuss major points in selecting and preparing seed
- 08.04 Discuss major factors in planting seed
- 08.05 Make fertilizer recommendations for sugarbeet production
- 08.06 Identify symptoms, names, and causal agents of diseases common to sugarbeet production and discuss control methods
- 08.07 Identify beneficial and harmful insects common to sugarbeet production and discuss control methods
- 08.08 Identify weeds common to sugarbeet production and discuss control methods
- 08.09 Discuss harvesting techniques and procedures to follow in handling sugarbeets
- 08.10 Identify potential markets for sugarbeets
- 08.11 Describe equipment adjustments for sugarbeet production

## 09.0 Pea Production

The student will be able to:

0 1 2 3

- 09.01 Name the stages of growth of the pea plant
- 09.02 Discuss seedbed preparation for pea production
- 09.03 List common varieties of seed and discuss major points in selecting and preparing seed
- 09.04 Discuss major factors in planting seed
- 09.05 Make fertilizer recommendations for pea production
- 09.06 Identify symptoms, names, and causal agents of diseases common to pea production and discuss control methods
- 09.07 Identify beneficial and harmful insects common to pea production and discuss control methods
- 09.08 Identify weeds common to pea production and discuss control methods
- 09.09 Discuss harvesting techniques and procedures to follow in handling peas
- 09.10 Identify potential markets for peas
- 09.11 Describe equipment adjustments for pea production

## 10.0 Lentil Production

The student will be able to:

0 1 2 3

- 10.01 Name the stages of growth of the lentil plant
- 10.02 Discuss seedbed preparation for lentil production
- 10.03 List common varieties of seed and discuss major points in selecting and preparing seed
- 10.04 Discuss major factors in planting seed
- 10.05 Make fertilizer recommendations for lentil production
- 10.06 Identify symptoms, names, and causal agents of diseases common to lentil production and discuss control methods
- 10.07 Identify beneficial and harmful insects common to lentil production and discuss control methods
- 10.08 Identify weeds common to lentil production and discuss control methods
- 10.09 Discuss harvesting techniques and procedures to follow in handling lentils
- 10.10 Identify potential markets for lentils
- 10.11 Describe equipment adjustments for lentil production

## 11.0 Commercial Bean Production

The student will be able to:

0 1 2 3

- 11.01 Name the stages of growth of the bean plant
- 11.02 Discuss seedbed preparation for bean production
- 11.03 List common varieties of seed and discuss major points in selecting and preparing seed
- 11.04 Discuss major factors in planting seed
- 11.05 Make fertilizer recommendations for bean production
- 11.06 Identify symptoms, names, and causal agents of diseases common to bean production and discuss control methods
- 11.07 Identify beneficial and harmful insects common to bean production and discuss control methods
- 11.08 Identify weeds common to bean production and discuss control methods
- 11.09 Discuss harvesting techniques and procedures to follow in handling beans
- 11.10 Identify potential markets for beans
- 11.11 Describe equipment adjustments for bean production

## 12.0 Rapeseed Production

The student will be able to:

- 0 1 2 3
- 12.01 Name the stages of growth of the rapeseed plant
  - 12.02 Discuss seedbed preparation for rapeseed production
  - 12.03 List common varieties of seed and discuss major points in selecting and preparing seed
  - 12.04 Discuss major factors in planting seed
  - 12.05 Make fertilizer recommendations for rapeseed production
  - 12.06 Identify symptoms, names, and causal agents of diseases common to rapeseed production and discuss control methods
  - 12.07 Identify beneficial and harmful insects common to rapeseed production and discuss control methods
  - 12.08 Identify weeds common to rapeseed production and discuss control methods
  - 12.09 Discuss harvesting techniques and procedures to follow in handling rapeseeds
  - 12.10 Identify potential markets for rapeseed
  - 12.11 Describe equipment adjustments for rapeseed production

## 13.0 Grass Seed Production

The student will be able to:

- 0 1 2 3
- 13.01 Name the stages of growth of the grass plant
  - 13.02 Discuss seedbed preparation for grass seed production
  - 13.03 List common varieties of seed and discuss major points in selecting and preparing seed
  - 13.04 Discuss major factors in planting seed
  - 13.05 Make fertilizer recommendations for grass seed production
  - 13.06 List methods of increasing forage growth
  - 13.07 Identify weeds common to grass seed production and discuss control methods
  - 13.08 Discuss harvesting techniques and procedures to follow in handling grass seed
  - 13.09 Identify potential markets for grass seed
  - 13.10 Discuss enterprise management for grass seed production
  - 13.11 Describe equipment adjustments for grass seed production

## 14.0 Specialty Crops

The student will be able to:

- 0 1 2 3
- 14.01 List and describe vegetative and reproductive growth of specialty crops in Idaho
  - 14.02 Discuss the economic importance of selected specialty crops to Idaho
  - 14.03 List common varieties of seed and discuss major points in selecting and preparing seed
  - 14.04 Identify planting equipment used and discuss major factors involved in planting
  - 14.05 Make fertilizer recommendations for specialty crops
  - 14.06 Identify harmful pests common to specialty crops and discuss control methods
  - 14.07 Discuss harvesting techniques and procedures to follow in handling specialty crops
  - 14.08 List poor, average, and excellent yields for specialty crops in Idaho
  - 14.09 Identify potential markets for specialty crops

## 15.0 Crop Storage

The student will be able to:

- 0 1 2 3
- 15.01 Describe the characteristics of a good crop storage facility
  - 15.02 Describe advantages and disadvantages of different storage facilities
  - 15.03 Describe the key factors to consider: moisture content, costs, time and labor, storage losses, etc. when selecting storage facilities
  - 15.04 Calculate the volume of storage and estimate the products stored within
  - 15.05 Operate a moisture tester to determine moisture content of harvested crop
  - 15.06 Compare systems for drying crops and calculate drying costs in relation to benefits
  - 15.07 Describe procedure for fumigating a storage bin for insect control
  - 15.08 Plan a storage facility for a given farm taking into account existing facilities and long-range goals
  - 15.09 Describe handling systems needed for storage facility
  - 15.10 Calculate construction and operation costs of a given storage facility
  - 15.11 Describe economics of on-farm storage vs. off-farm storage

## 16.0 Crop Marketing and Exporting

The student will be able to:

0 1 2 3

- 16.01 Identify and describe traditional markets for farm goods
- 16.02 Discuss how supply and demand affect market conditions
- 16.03 List factors causing shifts in demand of a commodity
- 16.04 Discuss the main function of product standards
- 16.05 List factors that influence time to market
- 16.06 List sources of crop market information
- 16.07 List the advantages and disadvantages of the futures market
- 16.08 Discuss hedging as it relates to crop marketing
- 16.09 Discuss economic impact of exports on crop markets
- 16.10 Calculate marketing problems