

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