

Part 1B –Current Rangeland Issue (40 pts)

Knowledge of Topic - Answer 5 multiple-choice questions about current rangeland issues identified by the host state (4 pts each). 20 pts

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| click correct answer | 1 Ventenata is best described as: <ul style="list-style-type: none"> <input type="checkbox"/> a. A long-lived perennial that grows mostly in fall and early winter <input type="checkbox"/> b. A weak perennial that initiates growth in early spring <input type="checkbox"/> c. A winter annual that germinates in fall <input type="checkbox"/> d. A summer annual that germinates in summer |
| Click correct answer | 2 A key characteristic to identify Ventenata when it is actively growing is: <ul style="list-style-type: none"> <input type="checkbox"/> a. Wide and thick leaf blades <input type="checkbox"/> b. Reddish-black nodes on the stem <input type="checkbox"/> c. Large spike-type seedheads <input type="checkbox"/> d. Weak basal rhizomes that spread new plants |
| click correct answer | 3 The reason that Ventenata is such a problematic weed is because: <ul style="list-style-type: none"> <input type="checkbox"/> a. It is of low forage value and can invade hay pastures and native grasslands <input type="checkbox"/> b. Ventenata can get in the eyes and ears of grazing animals causing inflammation <input type="checkbox"/> c. Provides a winter refuge for thrips which are an insect that can damage hay crops <input type="checkbox"/> d. Ventenata can cross-breed with Kentucky bluegrass producing a hybrid with sterile seeds |
| Click correct answer | 4 Which of the following control methods shows promise in controlling smaller areas of Ventenata? <ul style="list-style-type: none"> <input type="checkbox"/> a. Mowing once prior to heading out <input type="checkbox"/> b. Multiple mowing throughout the growing season <input type="checkbox"/> c. Fire to kill seeds <input type="checkbox"/> d. Biological control with seed-eating insects |
| click correct answer | 5 Places where Ventenata first becomes established in areas are generally: <ul style="list-style-type: none"> <input type="checkbox"/> a. Sandy and dry sites that receive less than 8 in/year <input type="checkbox"/> b. Healthy, species rich rangeland <input type="checkbox"/> c. Moist and steep North facing hillsides <input type="checkbox"/> d. Dry, disturbed, South facing hillsides |

Complete the scenario addressing the current rangeland issue. 20 pts

This may include fencing, forage planting, water improvement, etc. This will require a calculation for total cost of implementation of the plan based on inputs and requirements.

Calculations: You may type out equations you used to get the final implementation cost to receive partial credit.

Total Cost of Implementing Project = \$