

DEPT D – RANGE MANAGEMENT

Judge: Mark Langemeier, Scribner NE

Purple award \$3.00; blue award \$2.50; red award \$2.00; white award \$1.00

- A. Individuals in Reading the Range (Unit 1) projects may exhibit in classes 1-5 and 8.
- B. Individuals in Using Nebraska Range (Unit 2) projects may exhibit in classes 1-8.
- C. Each exhibit must be properly identified with Unit and Class.
- D. All plant displays and display covers must be the result of the current year's work.
- E. Plant identification and lists of appropriate plants in each category (grasses, forbs, shrubs, introduced seeded pasture and hay plants, and grass-like plants) can be found in the Range Judging Handbook and Contest Guide (EC 150), Common Grasses of Nebraska (EC 170), and Common Forbs and Shrubs of Nebraska (EC 118).

Books

- A. For books, plants must be mounted on sheets that are no larger than 14" wide by 14" high. Plants should be glued rather than taped and the mounts should be protected with a clear cover. Proper plant mount should include root as well as stem and leaf tissue.
- B. Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness and conformation to project requirements.
- C. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: 1) Scientific name, with authority, 2) Common name, 3) County of collection, 4) Collection date, 5) Collector's name, 6) Personal collection number indicating order that plants were collected, &) Other information, depending on class selected; i.e, value and importance, life span, growth season, origin, major types of range plants. This information should be typed or printed very neatly.

Scientific name:	Schizachyrium scoparium (Michx.) Nash
Common name:	Little bluestem
County of Collection:	Hall County
Collection date:	6 August current year
Collector's name:	Joe Smith
Personal Collection Number:	3
Value and Importance:	Livestock Forage: High, Wildlife Habitat: High, Wildlife Food: Medium or Life Span: Perennial or Season of Growth: Warm Season or Origin: Native

Classes

- D-330-001 Value and Importance for Livestock Forage and Wildlife Habitat and Food Book – A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife habitat, or wildlife food. Value and importance classifications can be found in the Range Judging Handbook and Contest Guide (EC 150, Revised July 2009) on pages 3 through 6. Plants can consist of any combination of grasses, grass-like plants, forbs, or shrubs. Assemble plant mounts in order of high, medium, and low value and importance. Label each

plant mount with its value and importance classification for each of the three areas: Livestock Forage, Wildlife Habitat, Wildlife Feed.

- D-330-002 Life Span Book – A collection of 6 perennial plant mounts and 6 annual plant mounts selected from “grasses” or “forbs.”
- D-330-003 Growth Season Book – A collection including 6 cool season grass mounts and 6 warm season grass mounts.
- D-330-004 Origin Book – A collection of plant mounts of 6 native range grasses and 6 introduced grasses (introduced seeded pasture and hay plants).
- D-330-005 Major Types of Range Plants Book – A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like and 3 shrubs.
- D-330-006 Range Plant Collection Book – A collection of 12 range plant mounts with something in common (i.e., poisonous to cattle, or historically used as food by Native Americans, or dye plants, or favorite antelope forage, etc.). Include a short paragraph in the front of the book which describes what the plants have in common and why you have chosen to collect them.

Displays

- A. The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28”x28” on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor’s name, address, and county on back side. Refer to Score Sheet SF 259.

Classes

- D-330-007 Parts of a Range Plant Poster – Mount a range plant on a poster board. Label all the plant parts. Include the plant label in the lower right corner. Put your name and 4-H county on the back of the poster.

Boards

Boards should be no larger than 30” wide by 36” tall or if hinged in the middle a maximum of 60” wide by 36” tall. Boards should be adequately labeled.

- D-330-008 Range Plant Board – Will include 25 range forage species important to a particular county and should include:

1. Scientific name (in italic or underlined), with authority
2. Common name
3. County of collection
4. Collection date
5. Collectors name
6. Personal collection number, indicating order that plants were collected in your personal collection.
7. Other information as needed

- D-330-009 Special Study Board – A display of the results of a clipping study, a degree of use study, range site study, etc.
- D-300-010 Junior Rancher Board – This exhibit should include a ranch map with record book or an appropriate educational display on some phase of rangeland or livestock management.