

**2022**

**RANGE MANAGEMENT**

The purpose of this category is to help 4-H'ers identify and collect range plants. In addition, participants will learn the basics of range management, and Nebraska's range. Through the creation of range boards, 4-H'ers will become more proficient in knowledge of Nebraska's range.

\*Denotes State Fair Entry

A. Individuals in Reading the Range Unit 1 project may exhibit in Classes 1-8, and 10.

B. Individuals in the Using Nebraska Range (Unit II) project may exhibit in Classes 1-10.

C. Each exhibit must be properly identified with Unit and Class. Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness and conformation to project. All plant displays and display covers must be the result of the current year's work.

D. 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, Common Grasses of Nebraska (EC 170) and Common Forbs and Shrubs of Nebraska (EC 118).

E. The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, weed, range and soil sciences to solving problems in management, conservation, sustainability and environmental protection.

F. For books, plants must be mounted on sheets that are no larger 12 inches wide by 14 inches 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. Each completed mount must have the following information in the lower right corner of the mounting sheet:

1. Scientific name (in italics or underlined), 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 in your.

7. 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 neatly.

G. 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" by 28" on plywood or poster board. The display should be neatly titled.

H. Boards should be no larger than 30" wide by 36" tall. Boards should be adequately labeled.

All exhibits must be labeled. Label each item with the exhibitor name, project division, exhibit class number and years in the project before entering at county fair.

All static exhibits must receive a purple ribbon at the county fair in order to be eligible for State Fair selection.

State Fair Premier 4-H Science Award is available in this area. See General Rules in State Fair Book for more details.

**Purple, \$3; Blue, \$2; Red, \$1.50; White, \$1**

D330000 Plant Display — 4-H members in Unit I, Getting to Know Range Plants, may exhibit a collection of 12 different range plants from one of the collecting groups. The group name must be on the collection.

\*D330001 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 (EC150, 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 classifications for each of the three areas; Livestock Forage, Wildlife Habitat, Wildlife Food.

\*D330002 Life Span Book — A collection of six perennial plant mounts and six annual plant mounts selected from grasses or forbs.

\*D330003 Growth Season Book — A collection including six cool season grass mounts and six warm season grass mounts.

\*D330004 Origin Book — A collection of plant mounts of six native range grasses and six introduced grasses. (Introduced grasses are not from North America and are often used to seed pastures.)

\*D330005 Major Types of Range Plants Book — A collection of plant mounts including three grasses, three forbs, three grasslike and three shrubs.

\*D330006 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.

\*D330007 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, including the scientific and common name of the plant.

\*D330008 Special Study Board — A display of the results of a clipping study, a degree of use study or a range site study. A short essay must accompany the display to explain the reason for the study, what was learned, and study results. This should be placed in a sheet cover attached to the board.

\*D330009 Junior Rancher Board — Include a ranch map with record book or an appropriate educational display on some phase of rangeland or livestock management. A short essay must accompany the display to explain the purpose of the rancher board, what was learned, etc.