

# AGRONOMY

## Including projects related to Field Crops, Weed Science & Range

Unlimited entries per class number may be made per exhibitor.

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. For guidelines on specific projects, refer to appropriate project manuals.

## WEED SCIENCE

### Premium Code: STATIC ITEMS

At least 15 of the specimens must represent this year's work. For assistance identifying plants, participants can use the Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains (1994) or Weeds of the Great Plains (2003).

### BOOKS- Classes 1-2- Scoresheet: SF261

**Guidelines:** Plants must be mounted on sheets that are no larger than 14" wide by 14" high. A proper plant mount should include roots as well as stem and leaf tissue. Plants should be glued rather than taped and the mounts should be protected with a clear cover.

Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit requirements.

Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet:

1. Scientific name (in italic 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 personal collection,
7. Other information depending on class selected, i.e., noxious, life form. This information should be typed or printed neatly.

### Dept G Division 751 Classes

- 1 Weed Identification Book-** A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, musk thistle, plumeless thistle, saltcedar, leafy spurge, purple loosestrife, diffuse knapweed, spotted knapweed, Japanese knotweed, bohemian knotweed, giant knotweed, sericea lespedeza or phragmites), and at least three weeds that are a problem primarily in lawns.
- 2 Life Span Book-** A collection of 7 perennials, 1 biennial, and 7 annual weeds.

**WEED DISPLAY-** Scoresheet: SF259

**Guidelines:**

1. 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) as a poster on 28" x 28" plywood or poster board. The display should be neatly titled.
2. Make sure to label the display with the exhibitor's name, address, and county on back side. Explain pictures and graphs clearly and concisely.
3. Each display must have a one-page essay explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used.
4. The essay should be in a clear plastic cover with the exhibitor's name on the outside.

**Dept G Division 751**

**Class**

- 1 Weed Display-** The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as interesting information about a weed species, the effects of weed control, herbicide resistant weeds, what makes a weed a weed, or uses for weeds.