

who were the first settlers, where did they come from, is there evidence of the background today(local celebrations, family celebrations, museum or educational displays, historical markers, etc.)

CLASS 5  
CLASS 6  
CLASS 7  
CLASS 8

**Cultural Food** - Exhibit depicting a cultural food that is special to your family. Can be a story or essay.

**This is Who I Am Poem**

**Poster** - Poster that depicts what you have learned through the i2i Project.

**Biography** - About an historical figure that has made a positive impact on our society or who have made a difference in the lives of others.

CLASS 9  
CLASS 901

**Play Script** - Written about a different culture.

**Other Exhibit** – A different finished item utilizing the knowledge gained in this project.

### GENERAL RULES – LEADERSHIP

1. **GENERAL RULES** – See GENERAL RULES

2. **TOP EXHIBITS** – A top exhibit will be selected from those exhibits receiving purple ribbons in the leadership area.

3. **MANUALS** – Printed materials are available from the Johnson County Extension Office for all currently enrolled 4-H members in Johnson County.

### DEPARTMENT F

### DIVISION 502

### LEADERSHIP

#### PREMIUM

Purple \$2.50

Blue \$2.00

Red \$1.50

White \$1.00

#### CLASS 901

**Serving as a Junior Leader** – Notebook demonstrating service performed as a Junior Leader over the current year. Should include photographs and supporting information that answers the following questions: 1.) What service did you provide? 2.) What skills did you learn? 3.) What knowledge were you able to teach to younger 4-H members? 4.) What challenges did you face? 5.) What are your strengths and weakness as a leader?

#### CLASS 902

**Success Builds Success** – A written resume or portfolio demonstrating involvement and accomplishment in 4-H, other activities, and academics. Use a format of your choice.

#### CLASS 903

**Other Exhibit** – A different finished item utilizing the knowledge gained in this project.

## PLANT SCIENCE

(HORTICULTURE CONTEST, AGRONOMY (CROPS, WEEDS & RANGE) & HORTICULTURE EXHIBITS)

### HORTICULTURE CONTEST

#### GENERAL RULES – HORTICULTURE CONTEST

1. **ELIGIBILITY** - All currently enrolled 4-H members are eligible to participate in the horticulture contest regardless of projects carried.

2. **AWARDS** - All participants will receive ribbons. Additionally, the participants with the top three scores in each division will receive special recognition.

3. **CONTEST PARTS** –

**IDENTIFICATION** – Senior and Intermediate Divisions will be expected to identify 60 specimens. The Junior Division will be expected to identify 30 specimens. Specimens will include: flowers, fruits, woody ornamentals, and vegetables.

**JUDGING** – Four classes of plants will be judged as availability permits. Each class will consist of 4 plates of fruits or vegetables or bulbs OR 4 individual plants or containers OR 4 containers of cut flowers. Plant material within each class will be ranked 1 thru 4 (with one being the best).

**QUIZ** – A multiple choice, true/false test will be given. Questions will be taken from 4-H horticulture project materials and selected UNL Extension publications.

### DEPARTMENT F

### DIVISION 500

### HORTICULTURE CONTEST

#### PREMIUM

Purple \$2.50

Blue \$2.00

Red \$1.50

White \$1.00

#### CLASS 901

Senior Division

14 years of age and older

#### CLASS 902

Intermediate Division

10 to 13 years of age

#### CLASS 903

Junior Division

8 to 9 years of age

## AGRONOMY

### GENERAL RULES – AGRONOMY (CROP PRODUCTION, WEED MANAGEMENT & RANGE MANAGEMENT)

1. **GENERAL RULES** – See GENERAL RULES

2. **PURPOSE OF EXHIBITS** – The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, range and soil sciences to solving problems in management, conservation, sustainability and environmental protection.

3. **TOP EXHIBITS** – A top exhibit will be selected from those exhibits receiving purple ribbons in the agronomy area (crop production, weed management, and range management projects).

4. **MANUALS** – Printed materials are available from the Johnson County Extension Office for all currently enrolled 4-H members in Johnson County.

#### CROP PRODUCTION RULES

1. **GENERAL RULES** – See GENERAL RULES – AGRONOMY

2. **ENTRY ELIGIBILITY** – Individuals with field crops and crop production projects may exhibit grain or plants or prepare an educational display representing their project.

3. **SUPPORTING INFORMATION** – A two-page (maximum) essay must accompany grain and plant exhibits. The essay must include the exhibitors name and address, county, plant hybrid or variety, plant population, whether crop production was irrigated or dryland, and general information including farm cropping history, soil type and weather effects. **The essay must also include an economic analysis of the project, covering income and expenses per acre.** Other topics to discuss are the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.), any observations made during the growing season, and what you learned from your crops project. The essay counts as 50% of the total when judged. Essay must be the original work of the individual exhibitor. Attach the essay to the entry in a clear plastic cover such that it can be read without removing it from the cover. In addition to the essay, grain and plant exhibits will be judged on condition, appearance (i.e. disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit. Exhibits lacking the required supporting material will be lowered on ribbon place.

4. **GRAIN EXHIBITS** – Must be one gallon per sample. Fall harvested crops (e.g. corn or soybeans) may be from the previous year's project.

5. **PLANT EXHIBITS** –

- Corn: 10 ears or 3 stalks (cut at ground level and bound together)
- Grain Sorghum: 4 stalks (cut at ground level and bound together)
- Soybeans – 6 stalks (cut at ground level and bound together)

- Small grains (oats, barley, wheat, triticale)
- 2 sheaves of heads 2 inches in diameter at top tie with stems about 24" long
- Other crops (alfalfa, millet, etc.) – Sheaf of stems 3" in diameter at top tied with stems cut at ground level or half size small square bale

All plant exhibits, with the exception of ears of corn, must be the result of current year's project.

6. **GUIDELINES FOR ALL DISPLAYS** – The purpose of the display is to tell an educational story to those who 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. Make sure to label display with exhibitor's name, address, and county on the backside. Explain pictures and graphs clearly and concisely. Consider creativity and neatness. Each display must have a one-page essay explaining why the exhibitor chose the area of display and what they learned from their experience. Include any references used. The essay should be in a clear plastic cover with the exhibitor's name on the outside. Exhibits lacking the required supporting material will be lowered on ribbon place.

DEPARTMENT G	DIVISION 750			CROP PRODUCTION
PREMIUM	Purple \$2.50	Blue \$2.00	Red \$1.50	White \$1.00
CLASS 1	<b>Corn</b> (includes yellow, white, pop, waxy, or any other type)			
CLASS 2	<b>Soybeans</b>			
CLASS 3	<b>Oats</b>			
CLASS 4	<b>Wheat</b>			
CLASS 5	<b>Any other crop</b> (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)			
CLASS 6	<b>Crop Production Display</b> – The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, bioenergy, etc.			
CLASS 7	<b>Crop Technology Display</b> – Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.			
CLASS 8	<b>Crop End Use Display</b> – Display information about the uses for a crop including examples of products.			
CLASS 9	<b>Water or Soil Display</b> – Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil resources.			
CLASS 10	<b>Career Interview Display</b> – The purpose of this class is to allow youth to investigate a career in agronomy. Youth should interview one person that works with crops about such topics as, what parts of their job do they enjoy or dislike, why did they choose that career, what was their education, etc. Include a picture of the person interviewed.			

#### WEED MANAGEMENT RULES

1. **GENERAL RULES** - See GENERAL RULES – AGRONOMY
2. **ENTRY ELIGIBILITY** – Any individual with a range or conservation project may exhibit a weed book. The book cover and at least 15 specimens must represent this year's work.
3. **REFERENCE MATERIALS** – 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).
4. **JUDGING** – Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit requirements.
5. **BOOK GUIDELINES** – Display one plant on the book cover (no label required on cover specimen.) Plants must be mounted on sheets that are 14" wide x 14" high. Plants should be glued rather than taped and the mounts should be protected with a clear cover. Each completed mount must have the following information typed or printed neatly in the lower righthand corner of the mounting sheet:  
 Scientific name (in italics or underlined) with authority  
 Common name  
 County of collection  
 Collection date  
 Collector's name  
 Collection number  
 Other information depending on class selected (i.e. noxious, life form, etc.)
6. **DISPLAY GUIDELINES** – The purpose of the display is to tell an educational story to those who 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. Make sure to label display with the exhibitor's name, address, and county on back side. Explain pictures and graphs clearly and concisely. Each display must have a one-page essay in a clear plastic cover explaining why the exhibitor chose the area of display and what they learned from their project. Entries lacking this supporting information will be lowered one ribbon placing. Include references used. The essay should be in a clear plastic cover with the exhibitor's name outside.

DEPARTMENT G	DIVISION 751			WEED MANAGEMENT
PREMIUM	Purple \$2.50	Blue \$2.00	Red \$1.50	White \$1.00
CLASS 1	<b>Weed Identification Book</b> - Each book shall contain a minimum of 15 plant mounts and must include at least two of the following prohibited noxious weeds (Canada thistle, must thistle, plumeless thistle, salt cedar, leafy spurge, purple loosestrife, diffuse knapweed or spotted knapweed, Japanese knotweed, bohemian knotweed, giant knotweed, sericea lespedeza, or phragmites), and at least five weeds that are a problem primarily in lawns.			
CLASS 2	<b>Life Span Book</b> – A collection of 7 perennial, 1 biennial, and 7 annual weeds selected from grasses, sedges, or forbs.			
CLASS 3	<b>Weed Display</b> – The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as the effects of weed control, herbicide resistant weeds, uses for weeds, or makes a weed a weed.			

#### RANGE MANAGEMENT RULES

1. **GENERAL RULES** - See GENERAL RULES – AGRONOMY
2. **ENTRY ELIGIBILITY** – Individuals in Range Management Unit I may exhibit a collection of 12 different range plants in Classes 1-5. Individuals in Range Management Unit II may exhibit in Classes 1-7.
3. **REFERENCE MATERIALS** – For assistance identifying and categorizing plants, participants can use the *Range Judging Handbook for Nebraska* (EC 84-109), *Nebraska Range and Pasture Plants* (EC 85-170) and *Nebraska Range/Pasture Forbs and Shrubs* (EC 89-118).
4. **JUDGING** – Each exhibit must be properly identified with Unit and Class. Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness and conformation to project requirements. All plant displays and display covers must be the result of current year's work.
5. **BOOK GUIDELINES** – Plants must be mounted on sheets that are 14" wide x 14" high. Plants should be glued rather than taped and the mounts should be protected with a clear cover. Each completed mount must have the following information typed or printed neatly in the lower righthand corner of the mounting sheet:

Scientific name (in italics or underlined) with authority

Common name

County of collection

Collection date

Collector's name

Collection number

Other information depending on class selected (i.e. grazing response, longevity, season of growth, etc.)

DEPARTMENT D	DIVISION 330			RANGE MANAGEMENT
PREMIUM	Purple \$2.50	Blue \$2.00	Red \$1.50	White \$1.00
CLASS 1	<b>Value and Importance for Livestock Forage and Wildlife Habitat and Food</b> – A collection of 12 different plants with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife habitat, or wildlife food. 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, and Wildlife Food.			
CLASS 2	<b>Life Span Book</b> – A collection of 6 perennial plants and 6 annual plants selected from grasses or forbs.			
CLASS 3	<b>Growth Season Book</b> – A collection of 6 cool-season grasses and 6 warm-season grasses.			
CLASS 4	<b>Origin Book</b> – A collection of 6 native range grasses and 6 introduced grasses. Introduced grasses are not from North America and often used to seed pastures.			
CLASS 5	<b>Major Types of Range Plants Book</b> – A collection of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs.			
CLASS 6	<b>Range Plant Collection Book</b> – A collection of 12 range plant mounts with something in common (i.e. poisonous to cattle, historically used as food by Native Americans, dye plants, 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.			
CLASS 7	<b>Parts of a Range Plant Poster</b> – Mount a range plant to a poster board. Label all the plant parts. Include the plant label in the lower right corner.			
CLASS 8	<b>Range Plant Board</b> – Will include 25 range forage species important to a particular county. The display board should be hinged in the middle. Each completed mount must have the following information typed or printed neatly: Scientific name (in italics or underlined) with authority Common name County of collection Collection date Collector's name Personal collection number, indicating the order that plants were collected in your personal collection Other information as needed			
CLASS 9	<b>Special Study Exhibit</b> – A display of the results of a clipping study, a degree of use study, or a range site study. The boards in this class should be 30" x 36" or if hinged in the middle, may be 60" x 36". The display should be adequately labeled.			
CLASS 10	<b>Junior Rancher Exhibit</b> – The exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock.			

## HORTICULTURE

### GENERAL RULES – HORTICULTURE

- GENERAL RULES** – See GENERAL RULES
- TOP EXHIBITS** – A top exhibit will be selected from those exhibits receiving purple ribbons in the Floriculture; Vegetable, Herbs & Fruits projects; and Grow a Beautiful Space projects
- MANUALS** – Printed materials are available from the Johnson County Extension Office for all currently enrolled 4-H members in Johnson County.

### FLORICULTURE RULES

- GENERAL RULES** – See GENERAL RULES – HORTICULTURE EXHIBITS
- ENTRY ELIGIBILITY** - Youth must be enrolled in the World of Flowers and/or Annual Flowers projects to exhibit in classes 1-46 (cut flowers) and 50-53 (notebooks and posters). Youth must be enrolled in the Growing Great Houseplants project to exhibit in classes 60-65 (container grown plants).
- ENTRY LIMITS** - Youth may enter a maximum of 4 entries in classes 1-53. Youth may enter a maximum of 3 entries in classes 60-65.
- PREPARING ENTRIES** - Follow the guidelines in 4-H "Preparing Cut Flowers for Exhibits" 4H227 (revised 7/20/12) (Available at: <https://johnsoncounty4h.org/static-exhibit-resources/>) when preparing entries for the fair.
- CULTIVARS** - **The cultivar or variety name must be included on all entry cards.** Failure to identify the cultivar or variety will drop the entry one ribbon placing. Keep your seed package or identification label at planting time. Proper identification is the responsibility of the exhibitor not the Extension Staff or Office personnel.
- ENTRY TAGS** - For Floriculture, punch hole in the top center of entry tag and use a rubber band to securely attach entry tag to containers.
- CLASSIFICATION** - Exhibits entered under an incorrect class number or containing an incorrect number of flowers will be dropped one ribbon placing. A perennial is defined as a plant of which the crown overwinters. An annual is a plant that grows from seed each season, whether self-seeded or planted by the gardener. A biennial is a plant that germinates, grows and overwinters as a crown, blooms the following year and dies. Foliage will be considered when exhibit is judged.
- CUT FLOWERS** - All 3 or 5 stems of cut flowers should be the same cultivar and color, do not mix cultivars and colors. Containers will not be judged; however, they should be glass containers of a neutral color that won't tip over and of adequate size to display blooms. Containers will not be returned from State Fair.

DEPARTMENT G	DIVISION 770			ANNUALS & BIENNIALS
PREMIUM	Purple \$2.50	Blue \$2.00	Red \$1.50	White \$1.00

\*5 stems of a single variety (cultivar) unless noted in parenthesis.

CLASS 1	Aster	CLASS 13	Hollyhock (3 stems)
CLASS 2	Bachelor Buttons	CLASS 14	Marigold
CLASS 3	Bells of Ireland	CLASS 15	Pansy
CLASS 4	Browallia	CLASS 16	Petunia
CLASS 5	Calendula	CLASS 17	Salvia
CLASS 6	Celosia (crested or plumed – 3 stems)	CLASS 18	Snapdragon
CLASS 7	Cosmos	CLASS 19	Statice