

3. **DRESS CODE** - Participants must wear an approved 4-H t-shirt for the county contests. During severe weather conditions required 4-H attire shall be at the discretion of the contest superintendent.
4. **PERMISSION WAIVER** - Parents/guardians must sign a permission waiver and submit it to the Johnson County Extension Office by close on June 15 in order to participate in the county shooting sports contests.
5. **HUNTER EDUCATION** - 4-H members participating in shotgun disciplines must have completed Firearm Hunter Education. A copy of their card certifying completion must be submitted to the Johnson County Extension Office by close on date specified by the Extension Office in order to participate in the county contest.
6. **UNSAFE PRACTICE** - Participants exhibiting unsafe practices may be disqualified from the contest at the discretion of the superintendent.

#### **BB GUN CONTEST RULES**

1. **GENERAL RULES** – See GENERAL RULES – SHOOTING SPORTS
2. **NRA RULE BOOK** – The Johnson County 4-H BB Gun Contest will follow the NRA 5 meter BB gun rules.
3. **GUNS** – Only smooth bore guns will be allowed. If air rifles are used during the BB Gun Contest, they are limited to 2 pumps.
4. **CONTEST OVERVIEW** – Ten shots will be fired from 5 meters in the following positions: prone, standing, sitting, kneeling (fired in this order) for a total of 40 shots. Male and female contestants will compete together.
5. **TIME LIMIT** – Each contestant will be allowed 10 minutes for record shots plus sighters per target.
6. **TARGETS** – NRA 12 bull (10 bulls plus 2 sighters) targets will be used. Contestants will fire one shot at each bull. Each contestant will be issued all targets before the match and is responsible for posting them.
7. **EQUIPMENT** – Participants must provide their own gun, BBs, and safety glasses. Participants are required to wear eye protection.
8. **ADULT ASSISTANCE** – Parents/guardians are encouraged to assist youth with loading and cocking rifles on the firing line. Each participant must have a coach on the firing line.
9. **ENTRY LIMITS** – Youth may only participate in one BB Gun class.
10. **AWARDS** – All participants will receive ribbons. Additionally, the participants with the top three scores in each class will receive special recognition.

<b>DEPARTMENT F</b>		<b>DIVISION 503</b>	<b>BB GUN – OPEN IRON SITES</b>
<b>CLASS 901</b>	<b>Senior Division</b>	13 to 15 years of age	
<b>CLASS 902</b>	<b>Intermediate Division</b>	10 to 12 years of age	
<b>CLASS 903</b>	<b>Junior Division</b>	8 to 9 years of age	
<b>CLASS 904</b>	<b>Senior Plus Division</b>	16 year of age and older	

<b>DEPARTMENT F</b>		<b>DIVISION 503</b>	<b>BB GUN – PEEP SITE</b>
<b>CLASS 905</b>	<b>Senior Division</b>	13 to 15 years of age	
<b>CLASS 906</b>	<b>Intermediate Division</b>	10 to 12 years of age	
<b>CLASS 907</b>	<b>Junior Division</b>	8 to 9 years of age	
<b>CLASS 908</b>	<b>Senior Plus Division</b>	16 years of age and older	

#### **SHOTGUN EVENT RULES**

1. **GENERAL RULES** – See GENERAL RULES – SHOOTING SPORTS
2. **EQUIPMENT** – Participants must provide their own gun, ammunition, safety glasses, and earplugs. Participants are required to wear eye protection.
3. **HUNTER EDUCATION** – All participants must have a copy of their Firearm Hunter Education certification card on file with the Johnson County Extension Office prior to participating.
4. **DISCIPLINES** – Male and female 4-H members will compete together in all disciplines.
  - **Trapshooting** – 50 shots, 16 yards and 25 rocks, handicap
5. **AWARDS** – All participants will receive ribbons. Additionally, the participants with the top three scores in each class will receive special recognition.

<b>DEPARTMENT F</b>		<b>DIVISION 504</b>	<b>TRAPSHOOTING</b>
<b>CLASS 907</b>	<b>Senior Division</b>	15 to 18 years of age	
<b>CLASS 908</b>	<b>Intermediate Division</b>	12 to 14 years of age	

## **ENTOMOLOGY**

#### **GENERAL RULES – ENTOMOLOGY**

1. **GENERAL RULES** – See GENERAL RULES
2. **ENTOMOLOGY DISPLAY GENERAL RULES** –
  - Specimens to be mounted properly and labeled with the date and location of collection, name of collector, and order name.
  - Follow mounting and labeling instructions in the Nebraska 4-H Entomology Manual
  - Purchased insects and other insects not collected by the participant can be included but must have accurate labels and will not be counted in meeting minimum requirements for the exhibit.
  - Boxes to be not more than 12" high X 18" wide X 3" deep.
3. **TOP EXHIBIT** – A top exhibit will be selected from those exhibits receiving purple ribbons in the Entomology division.
4. **MANUALS** – Printed materials are available from the Johnson County Extension Office for all currently enrolled 4-H members in Johnson County.

<b>DEPARTMENT H</b>		<b>DIVISION 800</b>	<b>ENTOMOLOGY</b>
<b>PREMIUM</b>	<b>Purple \$2.50</b>	<b>Blue \$2.00</b>	<b>Red \$1.50</b>
<b>CLASS 1</b>	<b>Entomology Display – First Year Project</b> - Collection to consist of 25 or more different kinds (species) of insects representing at least 6 orders. Limit of one box.		
<b>CLASS 2</b>	<b>Entomology Display – Second Year Project</b> - Collection to consist of 50 or more different kinds (species) of insects representing at least 8 orders. Replace damaged or poorly mounted specimens. At least 25 species must be from after July 1 of previous year. Limit of 2 boxes.		
<b>CLASS 3</b>	<b>Entomology Display – Third Year or More Project</b> - Collection to consist of 75 or more different kinds (species) of insects representing at least 10 orders. Replace damaged or poorly mounted specimens. At least 25 species must be from after July 1 of previous year. Limit of 3 boxes		
<b>CLASS 4</b>	<b>Special Interest or Advanced Insect Display</b> - Educational display developed according to personal interests and/or advanced identification capability. This is also an opportunity to highlight favorite insects in a creative arrangement. Insects should conform to the same pinning and mounting standards of Classes 1-3 and be protected in an insect box. Each specialty display should include names of the insects, interesting information about them, and why the display was made. Advanced identification collections should have insects grouped with labels that correspond with identification level (e.g. family, genus, species). A specialty collection may		

consist of insects by taxonomic group (e.g. butterflies, grasshoppers, dragonflies, scarab beetles) or by host subject or habitat (e.g. insect pests of corn, aquatic insects, insect mimicry, insect galls, insects from goldenrod, insect pollinators, etc.

- CLASS 5** **Insect Habitats** – Habitats consist of any hand-crafted objects, made of natural or artificial material which are placed outdoors and which promote or conserve insects in the environment. Insects may include bee pollinators, butterflies, beneficial insects, etc. A one-page report describing activities must accompany the exhibit.
- CLASS 6** **Macrophotography** – Subjects should be insects, spiders, or other arthropods, or any nests, webs, or constructions they make. All exhibit prints should be 8" x 10" or 8 ½" x 11" and mounted on rigid, black 11" x 14" poster or black mat board. Either orientation is acceptable. No frames or mat board framing is allowed. A short caption of a few sentences should explain the subject, printed on white paper, and glued below the print.
- CLASS 7** **Insect Poster/Display Exhibits** – Exhibits can be posters or three-dimensional displays, and artistic creativity is encouraged. Posters should be no larger than 22" x 28". They should be instructional and can be attractive and have pictures, drawings, charts, or graphs. Posters and displays may show any aspect of insect life, habitat, or related conservation or management. Examples include: life history and other facts about an insect; insect anatomy; how to manage insects in a farm, home, lawn, or garden setting; experiences rearing one kind of insect; survey of an important insect; insect behavior (e.g. nesting, finding food, mobility, defenses, etc.); habitats (e.g. forests, grasslands, wetlands, rivers, or lakes) and what insects are found there, etc. Three-dimensional displays, such as dioramas, sculptures, models or decorative boxes should have a page of explanatory information accompanying them and fit within a 22" x 28" area.
- CLASS 8** **Reports or Journals** – Reports and journals should be in a three-ring binder. A report may be informational; that is, an original article about a favorite insect, a history or insect outbreaks, diseases caused by insects, insects as food, etc. Or, it may be a research report about an investigation or experiment done in a scientific manner. It then should have a basic introduction of the insect studied, methods used, observations, and results of the project. Tables, graphs, and images are helpful to include. A journal is an observational study over a period of time with personal impressions. It may cover watching changes of kinds of butterflies over the summer, rearing a specific insect from egg to adult, managing a bee hive, observations of insects in a specific habitat, or accounts of insect behavior in a forest or flower garden, etc.
- CLASS 901** **Other Exhibit** - A different exhibit made demonstrating the knowledge gained in the entomology project.

## FORESTRY

### GENERAL RULES – FORESTRY

- GENERAL RULES** -- See GENERAL RULES
- OFFICIAL REFERENCE** – The official reference for all forestry projects is *The Tree Identification Manual* (4-H 332). Other helpful forestry references include *Trees of Nebraska* (EC 92-1774-X), *Leafing Out* (4-H431) and *Plant a Tree* (EC 17-11-80). Printed materials are available from the Johnson County Extension Office for all currently enrolled 4-H members in Johnson County.
- DISPLAY GUIDELINES** –
  - Display "boards" must be made from wood or wood composite, e.g. plywood, fiberboard, or masonite, 1/4" to 1/2" thick and no larger than 24" x 24". Display boards may be coated, e.g., painted or varnished, on both sides to prevent warping.
  - Display "posters" must be made from a material, e.g. foam board or poster board, that will stand upright without buckling, and be no larger than 24" x 24".
  - Display "books" must measure no more than 16" x 16".
  - At least 5 of the 10 samples in Class 2, 3, 4, and 5 must be from the list of 60 species described in 4-H 332.
  - If more than 10 samples are included in a display, only the first 10 samples of the current year will be judged.
  - All samples must be from trees, NO shrubs.
  - The 10 samples to be judged must be from 10 different tree species. For example, Emerald Queen Maple and Crimson King Maple are both varieties of the same species (Norway Maple), and thus have the same genus and species name.
  - Remember that other general labeling standards apply. For example, scientific names are always italicized or underlined. Also, the first letter of a Genus name is always capitalized. The first letter of a species name is always lower case.
  - When required, always indicate complete scientific names (Genus and species) and common names, (e.g. Norway maple) even when "variety names" are included. For example, the scientific name of Emerald Queen Maple is *Acer platanoides* and the common name is Norway maple. "Emerald Queen" may be included as the variety name, but variety names are not required.
- TOP EXHIBIT** – A top exhibit will be selected from those exhibits receiving purple ribbons in the Forestry division.

DEPARTMENT D	DIVISION 320			FORESTRY								
PREMIUM	Purple \$2.50	Blue \$2.00	Red \$1.50	White \$1.00								
<b>CLASS 1</b>	<b>Design-Your-Own-Exhibit</b> - Prepare an educational exhibit about some aspect of trees, forests, or forestry that is of special interest to you. Possible topics include paper recycling, forest fire, forest products, forest wildlife, or forest pests. The only requirement is that the display must be no larger than 24" x 24" x 24". You can use photographs, drawings, samples, charts, posters, etc. Include enough information to adequately explain the topic. Your display should be substantially different from other display classes. Be as creative as you like. See GENERAL RULES – FORESTRY for further guidelines.											
<b>CLASS 2</b>	<b>Leaf Display</b> - The leaf display must include samples of "complete leaves" from at least 10 different tree species. The display must include at least two samples each of simple leaves, compound leaves, and conifer leaves. Leaves should be pressed, dried, and mounted. <ul style="list-style-type: none"> <li><b>Collection:</b> Whenever possible, collect leaves from mature trees. The leaf samples should also be mature, representative of the average leaves on the tree, and in good condition. Keep in mind that shaded leaves often are much larger than normal. Carefully remove leaves from the twig with the entire petiole or rachis (if compound) intact. Collect leaves any time after they have reached full size, usually beginning in early summer. During collection, fresh leaf samples can be temporarily stored within the pages of an old magazine, but they should be properly pressed and dried for display. Be sure to record pertinent information during collection. All collection must be done by the exhibitor.</li> <li><b>Mounting:</b> Leaves may be displayed in a notebook or on a display board. Any method may be used to mount leaves, e.g. wire, glue, tape, staples, plastic bags, but be sure all their features can be clearly identified.</li> <li><b>Labeling:</b> Refer to 4-H 332 for labeling specifications. The label for each sample must include:               <table border="0"> <tr> <td>- Common name</td> <td>- Leaf composition (for broadleaf trees)</td> </tr> <tr> <td>- Scientific name</td> <td>- Collector's name</td> </tr> <tr> <td>- Leaf type</td> <td>- Collection Date</td> </tr> <tr> <td>- Leaf arrangement (for broadleaf trees)</td> <td>- Collection location (be specific, county, etc.)</td> </tr> </table> </li> <li>Supplemental information, e.g. general uses, common products, fall color, etc., may be included with the display to enhance its educational value.</li> </ul>				- Common name	- Leaf composition (for broadleaf trees)	- Scientific name	- Collector's name	- Leaf type	- Collection Date	- Leaf arrangement (for broadleaf trees)	- Collection location (be specific, county, etc.)
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