

DIVISION 261 - PORTFOLIO PATHWAYS

PREMIUMS: Purple-\$4.50; Blue-\$4.00; Red-\$3.50; White-\$2.50

●**Use techniques from manual or comparable techniques.** Attach information to explain steps taken. Information must also include element or principle of design used. (pgs. 8-9)

Classes:

C261001 - *Original acrylic painting - based on techniques learned in Unit I, framed and ready to hang. (pgs. 12-13)

C261002 - *Original oil painting - based on techniques learned in Unit I, framed and ready to hang. (pgs. 26-33)

C261003 - *Original watercolor - based on techniques learned in Unit I, framed and ready to hang. (pgs. 14-17)

C261004 - *Original sand painting - based on techniques learned in Unit I, framed and ready to hang. (pgs. 20-21)

C261005 - *Original encaustic painting - based on techniques learned in Unit I, framed and ready to hang. (pgs. 34-35)

C261006 - *Home accessory - made with any printing technique in Unit II. (pgs. 36-56)

ENVIRONMENTAL ED & EARTH SCIENCES

DEPARTMENT CONSERVATION & WILDLIFE

PREMIUMS: Purple-\$3.50, Blue-\$3.00, Red-\$2.50, White-\$1.50

●**GENERAL INFORMATION**

- SHOW WHAT YOU DID & LEARNED** - All exhibitors are encouraged to show evidence of their personal field experiences, study, or observations that relate to their exhibit. This helps judges understand what the 4-H'er did and learned in the process that led to the exhibit.
- PROPER CREDIT** - Show proper credit by listing the sources of plans or other supporting information used in exhibits.
- WHOSE EXHIBIT?** - The exhibitor's name, county, age must be on the back or bottom of all displays so that the owner can be identified even if the entry tag becomes separated from the exhibit.
- WILDLIFE & WILDLIFE LAWS** - "Animal" or "wildlife" in the following instructions includes wild fish, amphibians, reptiles, birds, or mammals. Follow wildlife laws; example: wildlife laws do not allow collection of bird nests, eggs, or any of their parts.
- ENTRIES PER INDIVIDUAL** - Each individual is limited to a total of four (4) exhibits, each in a different class. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.
- PROJECT MATERIALS** - Related project booklets include Exploring Your Environment Series, 4-H Shooting Sports, Amphibians, Bird Behavior (EC 5-93-81), Fishing for Adventure Project Manuals, Wildlife Conservation (4-H 125), Outdoor Skills: Learning Science in the Outdoors series (Science Signature Outcome Program), and Wildlife Habitat Evaluation Handbook, Participants Manual (NE 4H4300).
- BOARD AND POSTER EXHIBITS** - These are displays that show educational information about a topic of interest. Board exhibits can hold objects such as fishing equipment or casts of animal tracks. Mount all board exhibits on ¼" plywood, masonite, or similar panel no larger than 24" high by 24" wide. Poster exhibits should be on regular poster sheets, no larger than standard size (22" x 28") but half size, 22" x 14", is recommended.
- Sample score sheets** are available on the UNL 4-H web page (<http://4h.unl.edu>).
- Premier 4-H Science Award** is available in this area. Please see General Rules for more details.

DIVISION 340 - WILDLIFE AND HOW THEY LIVE

•Classes 1-4 are board or poster exhibits. Display may show any aspect of wildlife, wildlife habitat, or related conservation, restoration, or management. Examples: life history or other facts about one type of wildlife; how to manage wildlife on a farm or in town; managing habitat for one kind of wildlife; life requirements for one kind of wildlife during one season or through the year; wildlife study methods; wildlife behavior (example: when nesting, finding food, moving, etc.); habitats (example: grasslands, wetlands, river or stream corridors) and what wildlife is found there; habitat needs for a specific kind of wildlife. For more ideas, refer to project booklets.

Classes:

D340001 - *Mammal Display

D340002 - *Bird Display

D340003 - *Fish Display

D340004 - *Reptile or Amphibian Display

D340005 - *Wildlife Connections - Board or Poster Exhibit. The purpose of this display is to show interconnections and related aspects among animals, plants, and other habitat components. All displays should show two or more interactions (connections) that occur between/among animals or between animals and their habitat. Displays might show how animals interact with other animals, with people, or with their habitat.

Examples:

◆Food chain display. Use pictures, drawings, or other items to illustrate the source of food energy and where it goes - who eats whom or what. Use arrows to show the direction of the energy (food) flow.

◆Show the role of predators, scavengers, insect eaters, or others in nature.

◆Show how wildlife numbers (populations) change through the year or with their habitat.

◆Show predation, competition, or other behavior interactions of wildlife.

◆Choose one kind of wildlife and make observations through a season or year, keep notes of interactions, then make a display of what you saw.

◆For more ideas, refer to project booklets.

D340006 - *Wildlife Tracks - Board or Diorama-type Box Exhibit. Make a display of animal tracks using plaster-of-paris casts. There are two options. For both options, include a brief description of your experiences in making the tracks so the judges better understand, what you did and learned. Positive casts (impressions as they would be in nature) are preferred.

1) Option 1 should show plaster-of-paris tracks of five or more kinds of wildlife along with a picture or illustration of each kind of animal. (OR)

2) Option 2 should show two or more plaster-of-paris tracks of one specific kind of wildlife and should include a picture or illustration of the animal, what the animal may eat, and what may eat the animal. (OR)

3) Option 3 should show two tracks and include the animal's habitat needs including preferred food, shelter, water, and space in addition to picture or illustration of the animal.

D340007 - *Wildlife Knowledge Check - Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife related knowledge. Plan size and shape to fit transportation and display; maximum size 24" x 24". Example: prepare a list of animals and questions about where each would most likely live. Rabbits-brushy areas along field borders; ducks-marshes, etc.

D340008 - *Wildlife Diorama - Box must be no larger than 24"x 24". The exhibit might show a grassland, prairie, agricultural woodland, riparian (stream or river corridor), wetland, and/or other area with wildlife habitat. Example: show a large unbroken grassland or prairie for area-sensitive species such as meadowlarks, greater prairie-chicken, lark bunting, grasshopper sparrows, Ferruginous hawk, burrowing owl, horned lark, upland sandpiper, or pronghorn; AND/OR show an area interspersed with several habitats such as windbreaks, farm fields, woods, waste areas, ditches, and pastures for edge-adapted species such as white-tailed deer, Northern bobwhite, ring-necked pheasants, mourning doves, cottontail rabbits, fox squirrels, Northern cardinals, or blue jays. Label the habitats displayed and show at least five kinds of wildlife in their proper habitats.

(CONTINUED →)

D340009 - *Wildlife Essay - Learn how to share educational information by writing. Choose a conservation or wildlife topic that interests you and write an essay about it. For example, write about a particular species of wildlife that you have observed or about the values of wildlife. You might write about wildlife on a farm, in town, in a backyard, at a backyard feeder, or at other places. You might write about hunting, fishing, or ethics and proper behavior for hunting or fishing. For other ideas, refer to project booklets. The essay should be between 100 and 1000 words long and should be typed, double spaced, or written so that it can be easily read. Standard size paper (8-1/2" x 11") format is preferred. You might use books, magazines, or personal interviews as resources, but you must give credit to all sources by listing them.

D340010 - *Wildlife Values Scrapbook - Make a scrapbook about the various values of wildlife following guidelines in the Wildlife Conservation project booklet (4-H 125).

D340011 - *Wildlife Arts - The purpose of this class is to allow artistic exhibits that contain educational information about conservation and wildlife. Examples might include paintings, photographs, wood carvings, painted duck decoys, or songs or poems written by the exhibitor. Entries must be appropriate for fair display and no larger than 24" x 24". For example, paintings or photographs should be displayed in notebook format or mounted on a sturdy display panel.

•All entries must include a title and brief explanation of the purpose or message (what is the exhibit meant to show).

DIVISION 341 - BIRD BEHAVIOR

Classes:

D341001 - Wooden Bird House - built by member and constructed for a specific bird. Include card with name of bird and birdhouse requirements.

D341002 - Wooden Bird Feeder or Feeding Station

D341003 - Scrapbook or Essay - Show pictures of birds, stories of unusual birds and news of game birds in Nebraska.

DIVISION 342 - WILDLIFE HABITAT

Classes:

D342001 - *Houses - Make a house for wildlife. Examples: bird house (bluebird, purple martin, wood duck, kestrel, barn owl, etc.) or bat house; no insect houses. Make the house functional so that dimensions, hole size, etc. are appropriate to fit the intended species' needs. Include the following information: 1) the kinds of animal(s) for which the house is intended, 2) where and how the house should be located for best use, and 3) any seasonal maintenance needed. Tips: check NebGuide on bird houses and shelves.

D342002 - *Feeders/Waterers - Make a bird feeder or bird bath. Examples: seed, suet, or nectar feeders. Squirrel feeder okay; no insect feeders. Indicate the kinds of animal(s) for which the feeder or waterer is intended. Make the feeder or waterer functional so that it fits wildlife needs. Include the following information: 1) where and how the feeder or waterer should be located for best use and 2) how it should be maintained. Tips: check NebGuide on feeding birds.

D342003 - *Wildlife Habitat Design - Board or poster exhibit. Choose a backyard, acreage, or farm, and design a habitat plan to meet the food, water, shelter, and space needs of at least three kinds of animals you would like to attract. Draw an outline of the area and show what plants or other habitat will be provided. Indicate how the various parts of your plan provide the desired habitat needs. You might include an aerial photo of the area if you have one. For ideas, check the Wildlife Habitat Evaluation Handbook, Participant's Manual (NE 4H4300).

DIVISION 343 - HARVESTING EQUIPMENT

Classes:

- D343001 - *Fish Harvesting Equipment** - Board exhibit. Display of equipment used in fish harvesting. Examples: fishing knots, hooks (with corks over ends for safety), lures. Label all items displayed. Include in your exhibit the following information: 1) the purpose of each item, 2) when or where each item is used in relation to other equipment, and 3) any personal experiences you've had with the item(s).
- D343002 - *Build A Fishing Rod** - Build your own fishing rod for exhibit and for fishing use. Rod building blanks and kits with instructions are available for this purpose. A fishing rod educational exhibit may not exceed 96 inches length. Exhibit must be mounted on a board and labeled with the member's name, county, and class number.
- Include with the exhibit the following items as a brief attachment:
 - ◆ Explanation of cost of materials/components, where materials/components were purchased, how made, and number of hours required for construction.
 - Identify all parts.
 - ◆ Necessary components which must be included are grip, line guides, (based on manufacturers specifications), guide wraps, and hook keeper. Reel seat needs to be aligned with guides, and guides aligned accurately down rod. Guide wraps of size A to D, nylon or silk thread.
 - Exhibit will be judged on: workmanship, labeling of parts (guides, etc.), correct information, and neatness.
- D343003 - *Casting Target** - Make a casting target for exhibit and use, following guidelines in the project booklet, Fishing For Adventure Manuals.
- D343004 - *Wildlife Harvesting Equipment** - Board exhibit. Display of equipment used in harvesting wildlife. Examples: expended ammunition casings (no live ammunition permitted), steep traps, hide stretchers, fleshers, etc. For displays of shotguns, rifles, or bows, use drawings or pictures. Label all items displayed.
- Include in your exhibit the following information:
 - ◆ the purpose of each item,
 - ◆ when or where it is used in relation to other equipment, and
 - ◆ any personal experiences you've had with the item(s).
- D343005 - *Inventing Wildlife/Fish Harvesting Equipment, Aid or Accessory** - Use engineering principles to invent or adapt equipment that helps you harvest fish or wildlife. This could include wildlife calls, adapted fishing pole for shallow water, a blind, decoys, etc.... Share your drawing (or adapted plans), how the equipment works, how you tested it, and the results of testing your prototype and any adjustments you made.
- D343006 - Exhibit a tackle box**
- D343007 - Exhibit a poster of different baits (22" x 24")**

DIVISION 346 - TAXIDERMY

Classes:

- D346001 - *Tanned Hides or Taxidermy** - Any legal fish, bird, or other wild animal properly processed by the member. No requirement as to size or mounting. Include the following information:
- ◆ the animal's name and information about the exhibitor's personal field experiences, study, or observations that relate to the exhibit.

DIVISION 361 - OTHER NATURAL RESOURCES

Class:

D361001 - *Design Your Own Exhibit in Natural Resources, Conservation, or Ecology - This class is for educational exhibits about natural resources, conservation, wildlife, or ecology that do not fit into other categories. Entries must be appropriate for fair display and no larger than 24" x 24". All entries must include a title and should be clear (a brief explanation or other method) about the intended purpose or message-what the exhibit is meant to show. Think about accuracy, creativity, educational value for viewers, and evidence of exhibitor's personal experiences and learning.

DEPARTMENT FORESTRY

●GENERAL INFORMATION

- ◆ The official reference for all forestry projects is The Tree Identification Manual (4-H 332) which was recently revised and is available for purchase from UNL Marketplace (<http://marketplace.unl.edu/ne4h/tree-identification-manual-691.html>). Other helpful forestry references include Trees of Nebraska (EC1774), Leafing Out (4-H431) and Plant a Tree (EC 17-11-80).
- ◆ Display "boards" must be made from wood or wood composite, e.g. plywood, fiberboard, or masonite, ¼" to ½" 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 posterboard 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. Samples 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, i.e. *Acer platanoides*. All samples must be from trees, NO shrubs. If more than 10 samples are included in the display, only the first 10 samples from the current year will be judged.
- ◆ 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.
- ◆ How well the exhibitor follows written directions is an important factor in judging.
- ◆ All static exhibits must have received a purple ribbon at the county fair to advance to the state fair.
- ◆ Premier 4-H Science Award is available in this area. Please see General Rules for more details.

PREMIUMS: Purple-\$3.50, Blue-\$3.00, Red-\$2.50, White-\$1.50

DIVISION 320 - FORESTRY

Classes:

D320001 - *Design-Your-Own Exhibit - Prepare an educational exhibit about some aspect of trees, forests or forestry that is of special interest to you. Possible topics include paper recycling, wild 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". Photographs, drawings, samples, charts, posters, etc. can be used, but include enough information to adequately explain the topic. Your display should be substantially different from other display classes. Be as creative as you like.

D320002 - *Leaf Display - The leaf display must include samples of "complete leaves" from at least 10 different tree species. The display must include at least two samples of simple leaves, compound leaves, and conifer leaves. Leaves should be pressed, dried, and mounted. (CONTINUED →)

• **Collection:** Whenever possible, collect leaves from mature trees. Collect leaves any time after they have reached full size, usually beginning in early summer. Leaf samples should be in good condition and representative of the average leaves on the tree. Keep in mind that shaded leaves are often much larger than normal. Carefully remove leaves from the twig with the entire petiole or rachis intact. After 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.

• **Mounting:** 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.

• **Labeling:** The label for each sample must include:

1. common name
2. scientific name
3. leaf type
4. leaf arrangement (for broadleaf trees)
5. leaf composition (for broadleaf trees)
6. exhibitor's name
7. collection date
8. collection location -
(be specific, state and county at a minimum)

• If a twig is included with a sample, indicate "twig included" on the label. For example, the twig may be included with an eastern red cedar sample because the leaves are very small and difficult to remove from the twig.

• Supplemental information, e.g. general uses, common products, fall color, etc., may be included to enhance educational value.

D320003 - *Twig Display - The twig display must include twig samples from at least 10 different tree species. The display must include at least two samples of opposite and alternate leaf arrangements from broadleaf trees.

• **Collection:** Twig samples should be collected during the dormant season (November-April) when the buds are mature. Twig samples must be at least 6 inches long and exhibit buds. Leaves must be removed and side branches must be trimmed to less than 1 inch in length.

• **Mounting:** Twigs must be mounted on a display board. Any method, e.g. wire, glue, tape, staples, plastic bags, etc., may be used to mount twigs, but be sure all features can be clearly identified.

The non-terminal end must be cut at a slant so the pith can be seen.

• **Labeling:** The label for each sample must include:

1. common name
2. scientific name
3. leaf arrangement (for broadleaf trees)
4. exhibitor's name
5. collection date
6. collection location (be specific, state and county at a minimum)

• Supplemental information, e.g. general uses, tree characteristics, etc., may be included to enhance educational value.

D320004 - *Seed Display - The seed display must include seed samples from at least 10 different tree species.

• **Collection:** Tree seeds should be collected at the time of year when they mature, which varies widely depending upon tree species. For example, Silver maple seeds mature in May while red oak acorns do not mature until September. Seed samples should be free of insect or disease symptoms. Remember to display seeds, not fruit. For example, the seed of honey locust is enclosed in a pod. Remove and display the seed, not just the pod. It is acceptable to display the fruit with the seed, but clearly label each.

• **Mounting:** Seeds may be displayed in a variety of ways, e.g. mounted on a display board, displayed in jars in a rack, etc., but they must be securely mounted and easily viewed. Be as creative as you like.

(CONTINUED →)

- **Labeling:** The labels for each sample must include:
 1. common name
 2. scientific name
 3. type of fruit, if known (e.g. samara, pod, nut, legume, etc.)
 4. exhibitor's name
 5. collection date
 6. collection location (be specific, state and county at a minimum)
- Supplemental information, e.g. maturity date, average number of seed in the fruit, etc., may be included to enhance educational value.

D320005 - *Wood Display - The wood display must include wood samples from at least 10 different tree species.

- **Preparation:** Samples may be of any shape, e.g. sections from a board, wood cylinders turned on a lathe, horizontal or vertical cross sections of a small log with bark attached, etc., but all samples should be the same shape, e.g. all wood cylinders or all sections of a board. Each sample can be no larger than 4" x 4" x 4". Cut surfaces should be sanded to show the grain. Treating samples with a clear finish (no stain) is optional.

- **Mounting:** Samples may be displayed in a variety of ways, e.g. mounted on a display board, displayed in a box or rack, etc., but they must be securely mounted and easily viewed. Be as creative as you like.

- **Labeling:** The label for each sample must include:

1. common name
2. scientific name
3. wood type (softwood or hardwood)
4. exhibitor's name
5. collection date
6. collection location (be specific, state and county at a minimum)

- Supplemental information, e.g. common products, wood density, etc., may be included to enhance educational value.

D320006 - *Cross Section

Display a disc cut from a tree species listed in 4H 332. The sample must be collected within one year of the state fair judging day. The disc must measure 6 to 12" in diameter and 1 to 3" thick. The bark should be firmly attached, which may be difficult if the tree was dead when the disc was cut. Sand at least one side of the disc so the grain can be easily seen. If the disc is treated with a clear finish, both sides must be treated to minimize warping. As the disc dries, some cracking or checking can be expected and is allowed.

- **Labeling:** The following parts must be clearly and accurately labeled on the cross section with pins, paper tags or some other form of identification:

- a. pith
- b. heartwood
- c. sapwood
- d. one growth ring (beginning and end)
- e. cambium
- f. bark

A separate label attached to the back of the disc must include:

1. common name
2. scientific name
3. tree classification (softwood or hardwood)
4. age (of the cross section)
5. exhibitor's name
6. collection date
7. collection location (be specific, state and county at a minimum)

(CONTINUED →)

D320007 - *Parts of a Tree - (This project is only for ages 8 – 11)

Prepare a poster, no larger than 24" x 24" that clearly identifies the main external parts of any tree:

- a. Trunk
- b. Crown
- c. Roots
- d. Leaves
- e. Flowers
- f. Fruit
- g. Buds
- h. Bark

• Identifying other internal parts, e.g. phloem, xylem, cambium, annual ring, pith, etc., is optional.

Attach a separate label on the back of the poster that includes the exhibitor's name and age.

D320008 - *Living Tree

Display a living tree seedling grown by the exhibitor from seed in the display container. The seed must be from a species listed in 4H 332. The seedling must be, 60 days to 1 year old (on State Fair judging day).

The display container must contain at least 8 inches of soil (potting mix or suitable natural soil), have drainage hole(s), and a drain pan to catch drainage water.

• **Labeling:** A waterproof label must be attached and include:

- 1. Common name
- 2. Scientific name
- 3. seed treatments (if any)
- 4. planting date
- 5. emergence date
- 6. exhibitor's name

• Supplemental information about the tree, e.g. where the seed was collected, growth measurements, uses for that species, etc. may be included in an attached notebook, poster, etc. to enhance educational value.

Supplemental information will be an important factor in judging.

DEPARTMENT RANGE MANAGEMENT

- Individuals in Reading the Range Unit 1 project may exhibit in Classes 1-5, and 8.
- Individuals in the Using Nebraska Range (Unit 2) project may exhibit in Classes 1-8.
- Each exhibit must be properly identified with Unit and Class.
- All plant displays and display covers must be the result of the current year's work.
- Plant identification and lists of appropriate plants in each category (grasses, forbs, shrubs, and grass-like plants) can be found in the Range Judging Handbook and Contest Guide (EC150, Revised July 2009), Common Grasses of Nebraska (EC170), and Common Forbs and Shrubs of Nebraska (EC118).

PREMIUMS: Purple-\$3.50, Blue-\$3.00, Red-\$2.50, White-\$1.50

DIVISION 330 – BOOKS

- 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.
- Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness and conformation to project requirements. Refer to Scoresheet SF260.
- Each completed mount must have the following information (see example on next page) 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., value and importance, life span, growth season, origin, major types of range plants. This information should be typed or printed neatly.

(CONTINUED →)

Scientific name: Schizachyrium scoparium (Michx.) Nash

Common name: Little bluestem

County of collection: Nance County

Collection date: 6 August 2016

Collector's name: Joe Smith

Personal collection number: 7

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:

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 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs.

D330003 - *Growth Season Book - A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.

D330004 - *Origin Book - A collection of plant mounts of 6 native range grasses and 6 introduced grasses. Introduced grasses are not from North America and often used to seed pastures.

D330005 - *Major Types of Range Plants Book - A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 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.

DIVISION 330 - DISPLAYS

- 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. Make sure to label display with exhibitor's name, address, and county on back side. Refer to Scoresheet SF259.

Classes:

D3309007 - *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.

(CONTINUED →)

DIVISION 330 - 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. Refer to Scoresheet SF260.

Classes:

D330008 - *Range Plant Board -Will include 25 range forage species important to a particular county.

D330009 - *Special Study Board - A display of the results of a clipping study, a degree of use study, range site study, etc.

D330010 - *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.

DEPARTMENT SHOOTING SPORTS

- To participate in these competitions, a 4-H'er MUST have been enrolled in the Nance County 4-H Shooting Sports Club during the current year and MUST have attended at least four meetings or practices in each discipline enrolled during the current year.
- To compete in:
 - ◆ **BB Gun & Archery** - Open to all youth age 8 and older before January 1.
 - ◆ **.22 Rifle** - 4-H'er must be age 10 & older before January 1 of the current calendar year, and be pre-approved by a leaders committee to have consistently demonstrated to the leaders that they are physically capable to properly and safely handle the firearm, and are willing to comply with safety rules.
 - ◆ **Shotgun & .22 Pistol** - 4-H'er must be age 12 & older before January 1 of the current year, and be pre-approved by a leaders committee to have consistently demonstrated to the leaders that they are physically able to properly and safely handle the firearm, and are willing to comply with safety rules.
- Members will be contacted at pre-registration time of the location, date, and time of each discipline for county competition.
- Dress Code: Participants are expected to dress appropriately for the events in which they participate. The 4-H'ers are required to wear the county 4-H t-shirt (gray) which may be purchased at the Extension Office. Both young people and adults should wear attire appropriate for the weather while remaining modest and socially acceptable. Clothing with sexually suggestive wording or graphics; and alcohol or tobacco advertisement is not appropriate.
- Footwear Policy: Any participant while on the shooting line or shooting in any outdoor shooting event is required to wear shoes that completely cover their feet. Examples of footwear that are not acceptable include, but not limited to: sandals, clogs, crocks, flip-flops, and bare feet.
- Please read carefully to assure entry in proper age division. All ages will be as of January 1 of the current calendar year.
- BB Guns are defined as: Any spring gun or air powered gun that shoots BB's. Must be smooth bore, weigh 6 pounds or under, will be shot at 5 meters (16'4 3/4"). No scopes allowed.
- Members are encouraged to use their own firearms at the fair. Club guns will be available to use if needed.

The following are rules for firearms brought to the fair:

- ◆ They meet the specific criteria mentioned in the definitions above.
- ◆ All firearms will be clean and in good working condition.
- ◆ A responsible adult must bring each firearm in a case or box straight from the vehicle to the range, check it in immediately, and following the competition, return it straight to the car.
- ◆ Each firearm will be marked with the member's name with tape on the stock.
- ◆ Shooters are responsible for and must wear ear protection for .22 Rifle and Trap Shooting Competition.
- ◆ Safety glasses will be provided and must be worn for all events.
- ◆ All ammunition must be separate from the gun.

(CONTINUED →)

PREMIUMS: Purple-\$4.00, Blue-\$3.50, Red-\$3.00, White-\$2.00

DIVISION 347 - EXHIBIT CLASSES

- 4-H Shooting Sports requires youth to be under the direct leadership of a certified 4-H Shooting Sports Leader in either shotgun, rifle (bb gun), archery, pistol, black powder/muzzleloader, and/or hunting skills.
- No firearms can be entered as an exhibit, however information can be shared through pictures.

CLASSES:

D347001 - *Shooting Aid or Accessory - Any item which helps the shooter/hunter better perform their sport. Examples: rifle sling, kneeling roll, arm guard, shotgun vest, target boxes, shooting stick, etc...Include your design, or plans you adapted, what the item is and used for.

D347002 - *Storage Case - an item with the purpose to safely hold a firearm, bow, ammunition, and/or arrows, examples: soft sided shotgun case, quivers, firearm safe. Include your design, or plans you adapted. Explain how the storage case is used.

D347003 - *Practice Game or Activity - Invent or adapt an activity to practice or teach a project skill. Include pictures of youth playing the game, testimonials for 4-H members who played the game, what skill is being worked on, and directions for the game. Explain how you came up with the game or adapted it to fit the needs of your group members.

D347004 - *Science, Engineering, Technology Advancements of Shooting Sports Essay or Display - Choose a specific area of shooting sports and share how it has advanced, include a timeline and photos or illustrations. Keep your topic narrow and manageable. Essays are limited to 1,000 words and should be on 8 1/2" x 11" paper.

D347005 - *Healthy Lifestyles Plan - Include a shooter's diet and exercise plan, and how the 4-H member will benefit or improve from following the plan. Ideally, the 4-H member would follow the plan and include some journal entries about adaptations or improvements made while following the plan.

D347006 - *Citizenship/Leadership Project - Share a display on a citizenship project or leadership project the 4-H member took on individually or with a group to improve some aspect related to 4-H Shooting Sports. Examples could be range development, conservation planting to attract wildlife, a camp, 4-H recruitment event. Include who benefitted from the project, what the 4-H member's role was, and any results.

D347008 - *Career Development/College Essay, Interview or Display - Research opportunities for careers related to this area or opportunities for college majors or college activities to help discover using project skills beyond a person's 4-H career. Essays are limited to 1,000 words and should be on 8 1/2" x 11" paper. Interviews need to include a picture of the interviewee in their work setting, questions asked, and a transcript of answers.

D347009 - *Community Vitality Display - Explore the difference shooting sports and hunting make in keeping Nebraska vibrant especially in rural areas. Present facts and research in an interesting way for the public to learn from.

D347010 - *Ag Literacy-Value Added Agriculture Interview or Research Project - Explore how traditional ag producers are adding value to their production agriculture operations through conservation efforts, hunting, raising pheasants, shooting sports related tourism, etc... Present finding in an interesting way for the public to learn from.

DIVISION 458 - ARCHERY

- **Freestyle** - Any bow, shot with a mechanical release - sights, stabilizers, and peep sights allowed
- **BareBow**- Compound, Recurve/Long Bow, or Genesis – must be shot with fingers, no sights or stabilizers allowed.

(CONTINUED →)

Classes:

- D458001 - Archery - Freestyle - 8-11 years old before January 1**
- D458002 - Archery - Freestyle - 12-14 years old before January 1**
- D458003 - Archery - Freestyle - 15-18 years old before January 1**
- D458004 - Archery - BareBow - 8-11 years old before January 1**
- D458005 - Archery - BareBow - 12-14 years old before January 1**
- D458006 - Archery - BareBow - 15-18 years old before January 1**

DIVISION 461 - BB GUN

- Course of Fire - 10 shots prone, 10 shots standing, 10 shots kneeling, 10 shots sitting (Total of 40 shots).

Class:

D461001 - BB Gun

DIVISION 463 - .22 RIFLE

- ▶ Only .22 long rifle ammunition can be used. Hot loads, such as “stinger” are not permitted.
- ▶ Any sights, telescopic or metallic may be used.
- ▶ Trigger guard must be present. Any trigger not subject to discharge. In event of accidental discharge, trigger shall be adjusted or gun replaced.
- ▶ The stock must be traditionally styled from conventional configurations such as factory rifle stocks or silhouette stocks.
- ▶ The barrel cannot exceed 30” from face of closed bolt to end of barrel.

Classes:

- D463001 - .22 Rifle - Open Sites**
- D463002 - .22 Rifle - Scope**

DIVISION 464 - TRAP SHOOTING

Classes:

- D463001 - Trap Shooting - 12-14 years old before January 1 – Course of Fire – 50 – 16 Yards**
- D463002 - Trap Shooting - 15 & older before January 1 – Course of Fire – 25 – 16 Yards; 25 – 20 yards**

DIVISION 466 - .22 SPORT PISTOL

●GENERAL INFORMATION:

Forty (40) shots will be fired from 50 feet in the standing position. The program is divided into two stages of 20 shots each:

- A. Precision Stage - Each contestant will be allowed 6 minutes for each 5 record shots. One target will be posted to fire 10 shots. A 6 minute period for 5 sighting shots will be allowed prior to the shots fired for score.
- B. Rapid Fire State - Each contestant will fire one shot during a 3 second active cycle, the targets will be inactive for 7 seconds between active cycles. A series of 5 sighting shots will be fired prior to the shots fired for score. Shooters will assume the ready position between shots.

(CONTINUED →)

Once the first record shot has been fired, no further sighting shots are allowed, except at the discretion of the range officer. Any sighting shots fired after the first record shot will be scored as a miss. .22 caliber pistols and ammunition only, no ultra high velocity or magnum ammunition allowed. Ear protection must be worn by everyone on the range. An adult (coach/leader/parent) is required to supervise each shooter during the match. Each shooter must have their own adult supervisor. It is strongly suggested that all youth complete the State of Nebraska Hunter Education Program sponsored by the Nebraska Game and Parks Commission.

Classes:

D466001 - .22 Sport Pistol - 12-14 years old before January 1

D466002 - .22 Sport Pistol - 15 years old and over before January 1

HEALTHY LIFESTYLES EDUCATION

DEPARTMENT NUTRITION, FOODS & PRESERVATION

PREMIUMS: Purple-\$3.50, Blue-\$3.00, Red-\$2.50, White-\$1.50

All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

- GENERAL-Baked products entered in county fairs cannot be entered at State Fair. Products should be baked at least the day before entry day. Premier 4-H Science Award is available in this area. Please see General Rules for more details.
- LABELS FOR ALL FOOD PRODUCTS - Each exhibit must include the recipe. Recipe may be handwritten, photocopied or typed. Place the food on the appropriate size plate. Put exhibit in a self-sealing bag. Attach recipe at the corner of the bag on the outside.
- GENERAL LABELING INFORMATION-All additional information pieces (recipes, special items) must be labeled with exhibitor's name and county.
- CRITERIA FOR JUDGING-Exhibits will be judged according to score sheets available at your local extension office or at <http://4h.unl.edu/statefair4h>. Make sure to follow all entry instructions required for your exhibit. Incomplete exhibits will be lowered a ribbon placing. **Commercially prepared mixes are allowed in the Six Easy Bites Brownie Cents (Class 4) exhibit, Tasty Tidbits Creative Mixes (Class 2) exhibit, and the Fast Foods Baked Product (Class 6) exhibit ONLY.** Prepared baking mixes, biscuit mixes, or other pre-made mixes entered in other classes will be lowered a ribbon placing.
- ENTER FOOD PROJECTS in disposable materials, i.e., paper plate and plastic self-sealing bag. Extension Staff and the Fair Board is not responsible for lost bread boards, china or glassware.
- Ingredients that the 4-H member cannot legally purchase, such as beer, whiskey, rum, etc. may not be used in any recipe or foods exhibit. Exhibits that include alcohol in the recipe will be disqualified. This includes menu and recipe file exhibits.
- EXHIBITS ARE ON DISPLAY FOR SEVERAL DAYS. Please limit exhibits to products which hold up well. Items that require refrigeration will not be accepted, judged or displayed. Food products must be unquestionably safe to eat when they are entered, whether tasted or not. Egg glazes on yeast products before baking are allowed. Glazes, frostings, and other sugar based toppings are also considered safe due to the high sugar content. Eggs incorporated into baked goods or crusts and cheeses mixed into bread doughs are considered safe. Uncooked fruit is not allowed in any exhibit due to spoilage (i.e. fresh fruit tart). All fruit fillings must be cooked. Uncooked fruit is not allowed in any exhibit due to spoilage (i.e. fresh fruit tart). Cream cheese fillings and/or frostings are not allowed. Meat, dried meat, meat substitute pieces (bacon bits, pepperoni, etc.) or melted cheese toppings are not allowed in food exhibits. They may result in an unsafe food product by the time the items is judged due to unpredictable heat/and or weather conditions and will be disqualified.

(CONTINUED →)