

**G-770-033 Coreopsis**  
**G-770-034 Daisy**  
**G-770-035 Gaillardia**  
**G-770-036 Helianthus**  
**G-770-037 Hydrangea (3 stems)**  
**G-770-038 Liatris (3 stems)**

**G-770-042 Rudbeckia/Black-eyed Susan**  
**G-770-043 Sedum**  
**G-770-044 Statice**  
**G-770-045 Any Other Perennial** (Under 3 inches diameter-5 stems, 3 inches or more in diameter diameter-3 stems) (Do not duplicate entries in classes 30-44)

**G-770-046 4-H Flower Garden Collection of 5 different cut flowers.** Flowers are to be cut not potted. Each flower in the collection should be exhibited with the number specified for classes 1-45. Display in a box or other holder not more than 18 inches in any dimension. Boxes may not be returned from State Fair. At County Fair, containers will be returned. Do not duplicate entries in classes 1-45 with any in the group collection.

### **Educational Exhibits**

**G-770-050 Flower Notebook** - Exhibit a notebook containing pictures of flowers grown in Nebraska.

There must be at least 10 different species of annuals and/or biennials and 10 different species of perennials hardy to Nebraska. Bulbs may be included in a separate section. 4-H'ers may show more than one cultivar of the same species, but they will only count as one species. The notebook must be the result of the current year's work. Pictures from garden catalogs, hand drawn pictures, or photographs may be used. Each species/cultivar must be labeled with the correct common name and scientific name; the height and spread of the plant and the growing conditions (for example: needs full sun and dry sandy soil) the species prefers. In addition to this information, bulbs should also be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H member's name, age, county and years in the project(s) must be on the back of the notebook. Scoresheet SF100

**G-770-051 Flower Garden Promotion Poster** - Individual poster promoting flower gardening, size 14 x 22 inches either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayon, etc. as long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be paper clipped to the upper right hand corner. The 4-H member's name, age, county, and years in the project(s) must be on the back of the poster. Scoresheet SF103

**G-770-052 Educational Flower Garden Poster** - Prepare a poster 14 x 22 x 2 inches (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project you have done or learned about in a 4-H flowers or houseplant project. One might show a special technique used or equipment incorporated in the garden. Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be paper clipped to the upper right hand corner. The 4-H member's name, age, county and years in the project(s) must be on the back of the poster. Scoresheet SF104

**G-770-053 Flower Gardening History Interview** - Neatly handwritten or typed account of a gardening history interview whose flower garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their flower garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, county, and years in the project(s) must be on the back of the report cover. Scoresheet SF105

### **HOUSEPLANTS**

Youth must be enrolled in the Growing Great Houseplants project to exhibit in classes 50-66. Youth may enter a maximum of three entries in classes 50-53 (educational exhibits) and 60-66 (houseplants), but each entry must have received a purple ribbon at the county fair to advance to the State Fair. The entries must be the result of the current year's work.

**Container Grown Houseplants:** The choice of container and soil quality will be considered in judging. Each houseplant must be identified by listing the names on the entry tag or on a card attached to the container. Identify each plant individually if more than one cultivar or variety. Houseplants should be grown in display container for a minimum of six weeks. Plants grown as houseplants must be used. NebGuide G2205 "Guide to Growing Houseplants" (<http://extensionpublications.unl.edu/assets/htmlg2205/build/g2205.htm>) and NebGuide G837 "Guide to Selecting Houseplants" (<http://extensionpublications.unl.edu/assets/html/g837/build/g837.htm>) includes a listing of common houseplants. Containers of annual flowers or annual plants (i.e. petunias, geraniums, impatiens) will be dropped one ribbon placing. Not eligible for State Fair when receives a blue ribbon.

Entries in Classes 60-66 must have been designed and planted by the 4-H member.

Any container plant, (flowering or foliage potted houseplants, dish gardens, fairy or miniature gardens, desert gardens, or terrariums) shall be in containers no larger than 12 inches (use inside opening measurement) in any dimension of length or width. No combination of pots may be used. All

potted plants are to be in one pot container. Any container grown plant in Classes 60-66 that does not follow these guidelines will be dropped one ribbon placing.

Classes 60-65 exhibitors must have and provide a saucer to catch drainage water. The 4-H member's name, age, county and years in project(s) must be on the bottom or back of the container and saucer.

**G-770-060 Flowering potted houseplant(s)** that are blooming for exhibition. Container may have one or more houseplants in container. Label with name for each plant. Non-blooming plants will be disqualified. Scoresheet SF107

**G-770-061 Foliage potted houseplant** one variety of tropical or cacti or succulent plant. Label with name of plant. Scoresheet SF107

**G-770-062 Hanging baskets** of flowering and/or foliage houseplants. Container may have one or more houseplants in container. Label with name for each plant. Scoresheet SF107

**G-770-063 Dish garden** - an open/shallow container featuring a variety of houseplants excluding cacti and succulents. Label with name for each plant. Scoresheet SF107

**G-770-064 Fairy or Miniature garden** - A miniature "scene" contained in an open container and featuring miniature or small, slow growing houseplants. The garden needs to have an imaginative theme and miniature accessories, i.e. bench, fence made from tiny twigs, small shell for a bath tub, etc. Label with name for each plant. Scoresheet SF107

**G-770-065 Desert garden** - an open/shallow container featuring a variety of cacti and/or succulents grown as houseplants. Label with name for each plant. Scoresheet SF107

**G-770-066 Terrariums** - a transparent container, partially or completely enclosed; sealed or unsealed. Label with name for each plant. Scoresheet SF107

**Division 773 – VEGETABLES, HERBS, FRUITS, & EDUCATIONAL EXHIBITS**

Classes 201-252, 260-268, 280-286: Purple \$2.50, Blue \$2.50, Red \$2.00, White \$1.50

Classes 290-294, 001: Purple \$2.50, Blue \$2.50, Red \$2.00, White \$1.50

Classes 255, 256, 269: Purple \$6.00, Blue \$6.00, Red \$5.50, White \$5.00

Classes 401-408: Purple \$3.00, Blue \$3.00, red \$2.50, White \$2.00

Youth must be enrolled in the Everyone A Gardener Project and/or Gardening Unit 1 - Unit 4 projects to exhibit. An exhibitor may enter a maximum of FOUR (4) entries per person in classes 201-286 (vegetables, herbs, fruits) and 290-294 (educational exhibits). Exhibits are limited to ONE EXHIBIT PER EXHIBIT CLASS NUMBER. Entries must be the work of the 4-H member. Notebooks and posters must have received a purple ribbon at the county fair to advance to the State Fair. Since vegetables, herbs, and fruits are seasonal, youth may substitute and exhibit in any class, however, youth are still limited to four exhibits at State Fair.

**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. Proper identification is the responsibility of the exhibitor not the Extension staff or office personnel. Exhibits entered under an incorrect class number or containing an incorrect number of vegetables will be dropped one ribbon placing. In classes 252, 255, 268, 269, 285 and 286 do not duplicate entries from any of the other classes or entry will be dropped one ribbon placing. For example: 4-H'ers with two cultivars or varieties of red tomatoes can only enter the red tomatoes class and cannot enter the other cultivar or variety in any other vegetable class. Scoresheet SF108.

Follow the guidelines in "Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit" 4H226 (Free download on Nebraska 4-H Website at the <http://4h.unl.edu> or Nebraska State Fair Fairbook under Horticulture.) when preparing entries for the fair.

Class 201-256 Scoresheet SF108

Class	Vegetable	No. to Exhibit
G-773-201	Lima Beans	12
G-773-202	Snap Beans	12
G-773-203	Wax Beans	12
G-773-204	Beets	5
G-773-205	Broccoli	2
G-773-206	Brussel Sprouts	12
G-773-207	Green Cabbage	2
G-773-208	Red Cabbage	2
G-773-209	Carrots	5
G-773-210	Cauliflower	2
G-773-211	Slicing Cucumbers	2

G-773-212 Pickling Cucumbers	5
G-773-213 Eggplant	2
G-773-214 Kohlrabi	5
G-773-215 Muskmelon/Cantaloupe	2
G-773-216 Okra	5
G-773-217 Yellow Onions	5
G-773-218 Red Onions	5
G-773-219 White Onions	5
G-773-220 Parsnips	5
G-773-221 Bell Peppers	5
G-773-222 Sweet Non-Bell Peppers	5
G-773-223 Jalapeno Peppers	5
G-773-224 Hot (Non-Jalapeno) Peppers	5
G-773-225 White Potatoes	5
G-773-226 Red Potatoes	5
G-773-227 Russet Potatoes	5
G-773-228 Other Potatoes	5
G-773-229 Pumpkin	2
G-773-230 Miniature Pumpkins (Jack Be Little type)	5
G-773-231 Radish	5
G-773-232 Rhubarb	5
G-773-233 Rutabaga	2
G-773-234 Green Summer Squash	2
G-773-235 Yellow Summer Squash	2
G-773-236 White Summer Squash	2
G-773-237 Acorn Squash	2
G-773-238 Butternut Squash	2
G-773-239 Buttercup Squash	2
G-773-240 Other Winter Squash	2
G-773-241 Sweet Corn (in husks)	5
G-773-242 Swiss Chard	5
G-773-243 Red Tomatoes (2 inches or more in diameter)	5
G-773-244 Roma or Sauce-type Tomatoes	5
G-773-245 Salad Tomatoes (under 2 inches in diameter)	12
G-773-246 Yellow Tomatoes (2 inches or more in diameter)	5
G-773-247 Turnips	5
G-773-248 Watermelon	2
G-773-249 Dry Edible Beans	1 pint
G-773-250 Gourds, mixed types	5
G-773-251 Gourds, single variety	5
G-773-252 Any other vegetable	2, 5 or 12 - doesn't fit in any other class (Do not duplicate entries in classes 201-251)

**G-773-255 4-H Vegetable Garden Collection of Five (5) Kinds of Vegetables.** Display Garden Collection in a box not more than 24 inches in any dimension. Boxes may not be returned from State Fair. Showmanship will be considered in judging, but plastic grass, cotton, figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for class 201-252. Do not duplicate entries in classes 201-252 with any in the group collection.

**G-773-256 4-H Cultivar Vegetable Collection.** Vegetables entered in the collection are 5 cultivars from a single exhibit; for example, 5 cultivars of all types of peppers or squash or onions or tomatoes, etc. Display in a box not more than 24 inches in any dimension. Boxes may not be returned from State Fair. Showmanship will be considered in judging; but plastic grass, cotton, figurines, etc. should not be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual class (201-252).

#### **Herbs (Classes 60-69)**

Herbs will be judged using the same general criteria used for vegetables. Those grown mainly for their seed, such as dill and caraway should be exhibited on a plate. Those grown for their leaves such as basil, parsley, etc. should be exhibited in a CLEAR GLASS CONTAINER of water (no plastic

containers at State Fair). Any exhibit not in a clear glass container will be dropped one ribbon placing. NO SCREW LIDS OR SCREW ON RINGS AND FLATS MAY BE USED. To hold herb leaves in place it is suggested to use tin foil or a type of plastic wrap with holes poked into it or frog lids. Containers may not be returned from State Fair. At County Fair, containers will be returned. Potted herb plants will be disqualified and will not be judged. Classes 260-269 Scoresheet SF108.

<b>G-773-260 Basil</b>	5	<b>G-773-265 Parsley</b>	5
<b>G-773-261 Dill (dry)</b>	5	<b>G-773-266 Sage</b>	5
<b>G-773-262 Garlic (bulbs)</b>	5	<b>G-773-267 Thyme</b>	5
<b>G-773-263 Mint</b>	5	<b>G-773-268 Any Other Herb</b>	5 (Do not duplicate entries in classes 260-267)
<b>G-773-264 Oregano</b>	5		

**G-773-269 4-H Herb Garden Display of 5 different cut herbs.** Herbs are to be cut, not potted. Displayed in a box or other holder not more than 18 inches in any dimension. Boxes may not be returned from State Fair. Each herb in the collection should be exhibited with the number specified for classes 260-268. Do not duplicate entries in classes 260-268 with any in the group collection.

**Fruits (Classes 80-86)**

Fruit will be judged using the same general criteria used for vegetables. Fruit will be judged for the stage of maturity normal for that season and growing location. Emphasis will be placed on how well fruit approaches market quality. Classes 280-286 Scoresheet SF108

<b>G-773-280 Strawberries (everbearers)</b>	1 pint
<b>G-773-281 Grapes</b>	2 bunches
<b>G-773-282 Apples</b>	5
<b>G-773-283 Pears</b>	5
<b>G-773-284 Wild Plums</b>	1 pint
<b>G-773-285 Other small fruit or berries</b>	1 pint (Do not duplicate entries in classes 280-284)
<b>G-773-286 Other fruit or nuts</b>	5 (Do not duplicate entries in classes 280-284)

**Educational Exhibits**

**G-773-290 Garden Promotion Poster**

Individual poster promoting vegetable and/or herb gardening, size 14 x 22 inches either vertical or horizontal arrangement. Poster may be in any medium so long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be paper clipped to the upper right hand corner. The 4-H member's name, age, county, and years in project(s) must be on the back of the poster. Scoresheet SF103

**G-773-291 Educational Vegetable or Herb Garden Poster**

Prepare a poster 14 x 22 x 2 inches (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-H'er has done or learned about in a 4-H vegetable gardening project. One might show a special technique used or equipment incorporated in your garden (e.g. drip irrigation system, composting, or special techniques learned). Refer to 4-H horticulture project manuals, but use your own creativity. Entry card must be paper clipped to the upper right hand corner. The 4-H member's name, age, county, and years in project(s) must be on the back of the poster. Scoresheet SF104

**G-773-292 Vegetable and/or Herb Gardening History Interview** - Neatly handwritten or typed account of a gardening history interview of someone whose vegetable or herb garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, county, and years in project(s) must be on the back of the report cover. Scoresheet SF105

**G-773-293 Vegetable Seed Display** - Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous (nightshade), and Legume (pea) families, plus representatives from 5 other families. Group the seeds by family and type. Glue seeds or otherwise fasten clear containers of seeds to a board or poster mat board no larger than 22 x 24 inches. Label each group and each individual vegetable type with the common and scientific names. Use only one variety or cultivar of each vegetable, except for beans where several examples of beans may be shown. Attach a card to the back of the display explaining why and how it is important to know which vegetables are related, and cite references on where the scientific name information was found. The 4-H'ers member's name, age, county, and years in the project(s) must be on the back of the display. Information on vegetable family members can be obtained from your Extension office. Scoresheet SF101

**G-773-294 World of Vegetables Notebook** - Choose a favorite foreign cuisine and learn what vegetables and/or herbs are common to it (e.g. Mexican, African, Chinese, Italian, etc.) Include a report telling about a minimum of 5 vegetables and/or herbs from each country chosen. Include the scientific and common names; pictures of the plants from your garden or seed catalogs; tell how they are grown; and how the foods are used. Also list a source for buying the seed or plants. Favorite recipes using some or all of the vegetables described may be included. Give proper credit by listing the source of pictures and information used. Protect in a clear report cover or 3-ring notebook. The 4-H member's name, age, county, and years in the project(s) must be on the back of the report cover or notebook. Scoresheet SF102

#### **Division 775 - Special Garden Project**

Purple \$2.50, Blue \$2.50, Red \$2.00, White \$1.50

Youth must be enrolled in the 2024 Special Gardening Project to exhibit. This year it is focused on Princess India Nasurtium.

**G-775-001 Special Garden Project Educational Exhibit** - Educational exhibit based on what was learned from the project. Present information on a poster 14 x 22 inches either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age and county must be on the back of the poster or report cover. Scoresheet SF109

**G-775-002 Special Garden Project Fresh Cut Flowers, Herbs or Harvested Vegetables** - The current years' Special Garden Project fresh cut flowers, herbs or harvested vegetables should be entered in this class. Refer to classes 001-045 for quantity to exhibit if special garden project is a fresh cut flowers. Score Sheet SF106. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable. Scoresheet SF108. Flowers and herbs must be cut, not potted.

### **DEPARTMENT D – FORESTRY**

This category provides 4-H'ers an opportunity to prepare displays that show their expertise in many aspects of forestry. Involvement in this category will lead to expansion of seed, twig, wood, leaf, and tree knowledge for 4-H'ers. In addition, participants will learn more about common Nebraskan trees. For more information about tree classification visit this website [https://4hcurriculum.unl.edu/index.php/main/program\\_project/65](https://4hcurriculum.unl.edu/index.php/main/program_project/65).

Purple \$2.50, Blue \$2.50, Red \$2.00, White \$1.50

#### **Division 320 – Forestry**

The official reference for all forestry projects is "Tree Identification Manual" (4-H 332 revised) which was recently revised and is available for purchase from UNL Marketplace. <http://marketplace.unl.edu/ne4h/4h332.html>. Other helpful forestry references include Trees of Nebraska (EC 92-1774-X), Leafing Out (4-H 431) <https://marketplace.unl.edu/ne4h/leafing-out.html>, and Plant a Tree (EC 17-11-80).

Display "boards" must be made from wood or wood composite, e.g., plywood, fiberboard or masonite, 1/4 inch to 1/2 inch thick and no larger than 24 x 24 inches. 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 more than 24 x 24 inches.

Display "books" must measure no more than 16 x 16 inches.

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.

Due to emerald ash borer infestation, no true ash species (Green Ash, White Ash, Black Ash, or Blue Ash) may be included in any collections. Inclusion of a true ash species will result of the project being disqualified.

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 lowercase. 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. Scoresheets,

forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hforestry>.

**D-320-001 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, wildfire, forest products, forest wildlife, or forest pests. The only requirement is that the display must be no larger than 24 x 24 x 24 inches. 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.

**D-320-002 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 each of simple leaves and compound leaves, and conifer leaves. Leaves should be pressed, dried and mounted.

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, 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. All collection must be done by the exhibitor.

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) collector'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 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 its educational value.

**D-320-003 Twig Display** - The twig display must include twig samples from at least 10 different trees 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. All collection must be done by the exhibitor.

Mounting: Twigs must be mounted on a display board. Any method, e.g. wire, glue, tape, staples, plastic bags, 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) collector'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 its educational value.

**D-320-004 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. All collection must be done by the exhibitor.

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.

Labeling: The label 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) collector'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.

**D-320-005 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 sample shape, e.g. all wood cylinders or all sections of a board. Each example can be no larger than 4 x 4 x 4 inches. Cut surfaces should be sanded to show the grain. Treating samples with a clear finish (no stain) is optional. All collection must be done by the exhibitor.

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) collector'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.

**D-320-006 Cross Section Display**- A disc cut from a tree species listed in 4-H 332. The sample must be collected, by the exhibitor, within one year of the State Fair judging day. The disc must measure 6 to 12 inches in diameter, and 1 to 3 inches 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.

- 1) pith
- 2) heartwood
- 3) sapwood
- 4) one growth ring (beginning and end)
- 5) cambium
- 6) bark

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

- 7) common name
- 8) scientific name
- 9) tree classification (softwood or hardwood)
- 10) age (of the cross section)
- 11) collector's name
- 12) collection date
- 13) collection location (be specific, state and county at a minimum)

**D-320-007 Parts of a Tree** - This project is only for ages 8-11. Prepare a poster, no larger than 24 x 24 inches 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.

**D-320-008 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 4-H 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: The 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.

**D-320-009 Forest Product Display** - Prepare a visual display and/or collection tracing the origin of one non-lumber product that comes from trees and/or forests. The display must be no larger than 24 x 22 x 28 inches. Photographs, drawing, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 22 x 28 inches and may be either vertical or horizontal. The contestant must identify what species of tree the product is derived from and where the product is harvested, grown, or otherwise collected. The product listed must be partially or fully derived from trees; if partial the approximate percentage should be articulated in the display.

- The goal of this exhibit is for students to learn that many products come from trees and forests and to explore one of these products through in-depth study.
- Information about the tree or forest product: e.g. information about harvesting, processing, industry information, and environmental or other benefits may be included to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.
- Personal interviews with industry professionals are encouraged as a source of information.

**D-320-010 Forest Health Display** - Prepare a visual display outlining a specific forest health issue such as a tree disease, insect pest, animal-or human-caused damage, or an abiotic issue such as weather damage. The display must be no larger than 24 x 24 x 24 inches. Original photographs, drawings, samples, charts, posters, etc. can be used. Actual specimens are strongly encouraged but must be properly preserved, i.e. insects pinned or placed in vials of alcohol, leaves pressed and dried. Posters submitted may be no larger than 24 x 24 inches.

- Explain through the display what species of trees the health issue affects, diagnostic features of the issue (symptoms in trees, identifying features of the pest, etc.), and management options.
- Include common and scientific names of trees and pests.
- Supplemental information about the tree or forest health issue: e.g. origin, proliferation in Nebraska/United States, and physiological effects on the tree maybe included to enhance educational value.
- Attach a separate label on the back of the display that includes the exhibitor's name and age.

**D-320-011 Wildfire Prevention Poster** - Prepare a poster, no larger than 24 x 24 inches that promotes wildfire prevention strategies. Strategies articulated in the poster can include personal and/or land management actions. Attach a separate label on the back of the poster that includes the exhibitor's name and age.

- Supplemental information about wildfire prevention should be attached to poster: e.g. frequency of wildfires in Nebraska/United States, financial costs of wildfires, environmental factors that contribute to wildfires, etc. to enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

**D-320-012 Sustainable Landscape Diorama** - Box must be no larger than 24 x 24 inches. The exhibit must show a Nebraska landscape that includes elements such as windbreaks, fields, pastureland, CRP, public lands, community/municipal landscapes. The goal of this exhibit is for students to articulate conservation and sustainability best-practices that can be implemented on a landscape, while addressing landowner and other stakeholder interests.

- Label point/nonpoint sources of pollution, carbon sequestration, water-wise practices, wildfire prevention strategies, renewable energy sources, and other conservation practices as well as at least 10 species of plants included in the diorama.
- Attach to the exhibit a brief report including supplemental information describing the diorama, defining conservation practices, and outlining opportunities for landscape improvements to



enhance educational value. Supplemental information will be an important factor in judging but should not exceed three printed pages of text. Cite sources of information.

**D-320-013 Tree Planting Project Display** - Plant a tree in your community. Prepare a visual display where the student articulates proper tree planting techniques, why the individual tree species was chosen, as well as steps taken to continue care for the tree after initial planting. The display must be no larger than 24 x 24 x 24 inches. Photographs, drawings, samples, charts, posters, etc. can be used. Posters submitted may be no larger than 24 x 24 inches. The tree must have been planted 60 days to 1 year before State Fair judging day. Students must obtain permission from necessary authorities and property owners before planting any trees.

- Labeling: the following information about the tree must be included in the display: 1. common name 2. scientific name 3. planting location 4. planting date 5. tree source 6. planter's name 7. proper tree planting steps 8. tree care (after planting)

- Supplemental information about the tree: e.g. why the species was chosen, 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 but should not exceed three printed pages of text. Cite sources of information.

## DEPARTMENT D – CONSERVATION & WILDLIFE

Purple \$2.50, Blue \$2.50, Red \$2.00, White \$1.50

Participants have the opportunity to create a variety of exhibits in the many different divisions. Conservation Wildlife and Shooting Sports gives 4-H'ers the opportunity to share their knowledge and field experience about conservation, wildlife, and shooting sports. When creating an exhibit make sure to pay close attention to the rules while taking into account the different laws that surround those areas.

### Division 340 – Conservation & Wildlife

#### GENERAL RULES:

- A. Show What You Did and Learned - All exhibitors must 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.
- B. Proper Credit - Show proper credit by listing the sources of plans or other supporting information used in exhibits.

Example to attach to your exhibit
<p><b>Name:</b> Chris Clover <b>County:</b> Clover County <b>Age:</b> 10</p> <p><b>Field Experience, Study, or Observations:</b></p> <p>I attended a 4-H workshop where we put out a food plot, and then made turkey calls. We played a game about attracting turkeys. Sometimes we acted like a female to draw in a tom turkey. Sometimes we acted like a lost baby turkey to call in a whole flock. I was able to use my turkey call and play the game successfully. While I never turkey hunted in person, I went on-line to research more turkey calls. I hope to turkey hunt someday, and I want to use a box call to hunt fall turkeys.</p> <p><b>Credits/Source:</b> Information was obtained from Nebraska Game &amp; Parks website</p>

- C. 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.
- D. Wildlife and Wildlife Laws - "Animal" or "wildlife" in the following classes includes wild fish, amphibians, reptiles, birds or mammals. Please make sure you are following all wildlife laws; example: wildlife laws do not allow collection of bird nests, eggs or any of their parts. Domestic animal (i.e. domestic livestock or house pets) and insect exhibits are not appropriate for this area.
- E. Entries Per Individual - Each individual is limited to one exhibit per exhibit number.
- F. 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), Geology and Outdoor Adventure. Other resources include: Outdoor Skills: Learning Science in the Outdoors Series (Science Signature Outcome Program) [outdoornebraska.gov/afterschool/](http://outdoornebraska.gov/afterschool/) and [www.whep.org](http://www.whep.org).
- G. Board and Poster Exhibits - Mount all board exhibits on 1/4 inch plywood, masonite, or similar

panel no larger than 24 inches high x 24 inches wide. Poster exhibits should be on regular poster sheets, no larger than standard size (22 x 28 inches) but half size, 22 x 14 inches, is recommended.

- H. Exhibit Size: Exhibits other than poster/display board should not exceed 48 x 48 inches and be able to be moved by two people.
- I. Scoresheets forms contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hconservation-wildlife-shooting>.

## **Division 340 - Wildlife and How They Live (Classes 1-4)**

### **D-340-001 Mammal Display**

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 behavior and habitats. Scoresheet SF154

### **D-340-002 Bird Display**

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 behavior and habitats. Scoresheet SF154

### **D-340-003 Fish Display**

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 behavior and habitats. Scoresheet SF154

### **D-340-004 Reptile or Amphibian Display**

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 behavior habitats. Scoresheet SF156

### **D-340-005 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: 1) 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. 2) Show the role of predators, scavengers, insect eaters, or others in nature. 3) Show how wildlife numbers (populations) change through the year. 4) Show predation, competition, or other behavioral interactions of wildlife. 5) 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. Scoresheet SF157

### **D-340-006 Wildlife Tracks**

Board or diorama-type box exhibit. Make a display of animal tracks using plaster-of-paris casts. There are three options. For all 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. 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) 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) 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. Scoresheet SF158

### **D-340-007 Wildlife Knowledge Check**

Use electrical circuits, pictures, or other methods of teaching wildlife identification or other wildlife conservation or shooting sports related knowledge. Plan size and shape to fit transportation and display; maximum size 24 x 24 inches. Scoresheet SF159

### **D-340-008 Wildlife Diorama**

Exhibit must be no larger than 24 x 24 inches. The exhibit might show a grassland, prairie, agricultural, woodland, riparian (stream or river corridor), wetland, and/or other area with wildlife habitat. Example: 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, 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. Scoresheet SF160