

AGRONOMY

RANGE MANAGEMENT

Purple \$ 3.00 Blue \$ 2.00 Red \$ 1.00 White \$.50

Individuals in the Crop Production, Field Crops project may exhibit grain or plants to prepare an educational display representing their project. The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, weed, range and soil sciences to solving problems in management, conservation, sustainability, and environmental protections. For guidelines on specific projects, refer to appropriate project manuals.

The purpose of this category is to help 4-H'ers identify and collect range plants. In addition, participants will learn the basics of range management, and Nebraska's range. Through the creation of range boards 4-H'ers will become more proficient in knowledge of Nebraska's range.

Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hrange>

1. Each exhibit must be properly identified with Unit and Class.
2. All plant displays and display covers must be the result of the current year's work.
 - a. Plant identification and lists of appropriate plants in each category (grasses, forbs, shrubs, introduced seeded pasture and hay plants, and grass-like plants) can be found in the Range Judging Handbook and Contest Guide (EC150 Revised July 2016), Common Grasses of Nebraska EC170) and Common Forbs and Shrubs of Nebraska (EC118).
 - b. The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, weed, range and soil sciences to solving problems in management, conservation, sustainability, and environmental protection.
 - c. For guidelines on specific projects, refer to appropriate project manuals. Premiere 4-H Science Award is available in this area.

Books – Classes 1-6

1. 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.
2. Exhibits will be judged based on completeness of plant mount, accuracy of identification, labeling, neatness, and conformation to project requirements. Refer to Scoresheet SF260.
3. Each completed mount must have the following information in the lower right corner of the mounting sheet. This information should be typed or printed neatly.

Displays - Class 7: 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" x 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.

Boards – Classes 8-9

Boards should be no larger than 30" wide by 36" tall. Boards should be adequately labeled. Refer to Scoresheet SF260.

RANGE MANAGEMENT INFORMATION

Scientific Name: *Schizachyrium scoparium* (Michx.) Nash

Common Name: Little bluestem

County of Collection: Cheyenne County

Collection Date: 6 August 2015

Collector's Name: Joe Smith

Personal Collection Number, (indicating order that plants were collected in your personal collection): 37

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.

***D330001 Value & Importance for Livestock Forage & Wildlife Habitat & Food Book-** A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, & 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 Appendix Table 1 (EC 150, Revised July 2016) starting on page 42.

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. (SF260)

- *D330002 **Life Span Book** – A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs. (SF260)
- *D330003 **Growth Season Book**- A collection of 6 cool-season grass mounts and 6 warm-season grass mounts. (SF260)
- *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. (SF260)
- *D330005 **Major Types of Range Plants Book** – A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs. (SF260)
- *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. (SF259)
- *D330007 **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, including the scientific and common name of the plant. Put your name and 4-H county on the back of the poster. (SF260)
- *D330008 **Special Study Board** – A display of the results of a clipping study, a degree of use study, range site study, etc. A short essay must accompany the display to explain the reason for the study, what was learned and study results and should be placed in a sheet cover attached to the board.
- *D330010 **Junior Rancher Board** – This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management. A short essay must accompany the display to explain the purpose of the rancher board, what was learned, etc. (SF260)

FIELD CROPS

GENERAL INFORMATION:

- A. Individuals in the Crop Production & Field Crops projects may exhibit grain or plants or prepare an educational display representing their project.
- B. **IMPORTANT:** A two-page (maximum) essay must accompany grain and plant exhibits. The essay must include the exhibitor's name and address, county, plant hybrid or variety, plant population, whether crop production irrigated or dryland, and general information including farm cropping history, soil type and weather effect. **The essay also must include an economic analysis of the project, listing individual expenses and income, on a per acre basis acre.** Other topics to discuss are the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.) any observations made during the growing season, and what you learned from your crops project.
- C. The essay counts as 50% of the total when judged. The essay must be the original work of the individual exhibitor. Attach the essay to the entry in a clear plastic cover such that it can be read without removing it from the cover. In addition to the essay, grain and plant exhibits will be judged on condition, appearance (i.e., disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit.
- D. Grain exhibits must be one gallon per sample. Grain exhibits harvested in the fall (e.g., corn or soybeans) may be from the previous year's project.
- E. Plant exhibits except for ears of corn, must be the result of the current year's project. Corn 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together); Grain Sorghum – 4 stalks (cut at ground level and bound together); Soybeans- 6 stalks (cut at ground level and bound together); Small grains (oats, barley, wheat, triticale) – sheaf of heads 2 inches in diameter at top tie with stems about 24" long. Other crops (alfalfa, millet, etc.) – sheaf of stems 3 inches in diameter at top tied with stems cut at ground level or half size small square bale.
- F. Premier 4-H Science Award is available in this area.

Rules

1. Grain or Plant Exhibits - Classes 1-5:

- A completed Crop Production Worksheet (available at <https://cropwatch.unl.edu/Youth/Documents/Crop%20Production%20Project%20Worksheet%20Final.pdf>) must accompany grain and plant exhibits or it will automatically be deducted one ribbon placing. The

worksheet must include the exhibitors name and address, county, plant hybrid or variety, plant population, whether crop production was irrigated or dryland, and general information including farm cropping history, soil type and weather effects.

- The worksheet also must include an economic analysis of the project, listing individual expenses and income, on a per acre basis. Other topics to discuss are the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.), any observations made during the growing season and what you learned from your crops project. The worksheet counts as 50% of the total when judged.
- Worksheet must be the original work of the individual exhibitor, or it will be deducted one ribbon placing.
- Attach the worksheet to the entry in a clear plastic cover such that it can be read without removing it from the cover. In addition to the worksheet, grain and plant exhibits will be judged on condition, appearance (i.e., disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit. Refer to Scoresheet SF264. Grain exhibits must be one gallon per sample. Grain exhibits harvested in the fall (e.g., corn or soybeans) may be from the previous year's project. Display containers will be furnished.
- Plant exhibits, except for ears of corn, must be the result of the current year's project. - Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
- Grain Sorghum - 4 stalks (cut at ground level and bound together)
- Soybeans - 6 stalks (cut at ground level and bound together)
- Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.
- Other crops (alfalfa, millet, etc.) - sheaf of stems 3 inches in diameter at top tied with stems cut at ground level or half size small square bale.

2. Displays - Classes 6-10:

- 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" wide by 28" tall on plywood or poster board.
- The display should be neatly titled. Make sure to label the display with exhibitor's name, address, and county on back side. Explain pictures and graphs clearly and concisely.
- Consider creativity and neatness. Refer to Scoresheet SF259 Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used.
- The essay should be in a clear plastic cover with the exhibitor's name outside.
- If a display does not have an essay, it will automatically be deducted one ribbon placing.

4. **NEW: Special Agronomy Project** – Youth experience a crop that s grown, was grown or has the potential to be grown in Nebraska by growing it, researching traits of that crop and determine viability of that crop in the part of the state they live.

Each year seeds will be mailed to extension offices or ag ed classrooms across the state, as ordered by that location. Office will distribute to youth on a first, come0fiust serve basis. A different seed will be selected every year. Youth will grow seeds in their garden or pots. Written resources materials will be available for youth, in addition to virtual, live, or recorded videos/field trips. You will be eligible to enter an exhibit to enter an exhibit at both the county and/or state fair in the agronomy project area.

GRAIN OR PLANT EXHIBITS

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- *G750001 **Corn** (includes yellow, white, pop, waxy, or any other type) (SF264)
- *G750002 **Soybeans** (SF264)
- *G750003 **Oats** (SF264)
- *G750004 **Wheat** (SF264)

- *G750005 Any other crop** (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.) (SF264)

Displays

- A. 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" wide by 28" tall on plywood or poster board. The display should be neatly titled. Make sure to label the display with exhibitor's name, address, and county on the back side. Explain pictures and graphs clearly and concisely. Consider creativity and neatness.
- B. Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. The essay should be in a clear plastic cover with the exhibitor's name on the outside.
- *D750006 Crop Production Display** – The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, etc. (SF259)
- *D750007 Crop Technology Display** – Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc. (SF259)
- *D750008 Crop End Use Display** – Display information about the uses for a crop such as food, feed, fuel, or other products. (SF259)
- *D750009 Water or Soil Display** – Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil resources.
- *D750010 Career Interview Display** – The purpose of this class is to allow youth to investigate a career in agronomy. Youth should interview one person that works with crops about such topics as what parts of their job do, they enjoy or dislike, why did they choose that career, what was their education, etc. Include a picture of the person interviewed. (SF259)
- *G750011 Special Agronomy Project - Educational Exhibit** - Educational exhibit based on what was learned from the project. Present information on a poster 14" X 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, full address, and county must be on the back of the poster or report cover. Refer to Scoresheet SF259 Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. (SF259)
- *G750012 Special Agronomy Project -Video Presentation** - 4-H exhibitor designs a multimedia presentation related to the crop. This could include narration of the growing process, presenting facts about the crop or any other innovative multimedia practices. The presentation should be at least 2 minutes in length and no more than 5 minutes in length, appropriate graphics, sound and either a video clip, animation, or voice over and/or original video clip. Any of the following file formats will be accepted: mp4, .mov, .ppt, or .avi.
- *G750013 Special Agronomy Project** (Freshly Harvested Crop) plant exhibits must be the result of the current year's project. Depending on the type of crop selected for the current year:
- Corn - 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
 - Grain Sorghum - 4 stalks (cut at ground level and bound together)
 - Soybeans - 6 stalks (cut at ground level and bound together)
 - Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.
 - Other crops (alfalfa, millet, etc.) - sheaf of stems 3 inches in diameter at top tied with stems cut at ground level.

Supporting documentation (½ to 1-page in length) should include the following:

- Economic Analysis and/or research that supports feasibility of this crop in Nebraska or how the crop has evolved over time.
- Other topics to discuss are past/current commercial production of this crop. This includes: the selection of variety or hybrid, impacts of tillage and conservation practices, inputs (fuel, fertilizer, irrigation, labor, pesticides, etc.), any observations made during the growing season about this crop and what you learned from your crops project. This ½ to 1-page summary counts as 50% of the total when judged.

- In addition to the summary, grain and plant exhibits will be judged on condition, appearance (i.e., disease and insect damage, grain fill), uniformity (size, shape, color, maturity), and quality of exhibit.

RULES

The crop of the year for 2023 is Tepary Beans

WEED SCIENCE

WEEDS

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RULES

Any individual in the Conservation, Environment 1, 2 or 3, Range, Reading the Range 1 or Using Nebraska Range 2 or Crop Production, Field Crops projects may exhibit a weed book or weed display. At least 15 the specimens must represent this year's work. For assistance identifying plants participants can use, *Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains (1994)* or *Weeds of the Great Plains (2003)*.

Books

- Plants must be mounted on sheets that are no larger 14" wide by 14" high. Proper plant mount should include root as well as stem and leaf tissue. Plants should be glued rather than taped and the mounts should be protected with a clear cover.
- Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness, and conformity to exhibit requirements.
- Each completed mount must have the following information in the lower right corner of the mounting sheet. This information should be typed or printed neatly.

WEED SCIENCE INFORMATION

Scientific Name: *Abutilon theophrasti* Medik.

Common Name: Velvetleaf

County of Collection: Cheyenne County

Collection Date: 6 August 2014

Collector's Name: Dan D. Lion

Collection Number: 3

Life Cycle: Annual

***G751001 Weed Identification Book** – A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, musk thistle, plume less thistle, salt cedar, leafy spurge, purple loosestrife, diffuse knapweed, spotted knapweed, Japanese knotweed, Bohemian knotweed giant knotweed, sericea lespedeza or phragmites), and at least three weeds that are a problem primarily in lawns. (SF261)

***G751002 Life Span Book**- A collection of 7 perennials, 1 biennial and 7 annual weeds. (SF261)

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. Explain pictures and graphs clearly and concisely. Each display must have a one-page essay explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. The essay should be in a clear plastic cover with the exhibitor's name on outside.

***G751003 Weed Display** – The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as interesting information about a weed species, the effects of weed control, herbicide resistant weeds, what makes a weed a weed, or uses for weeds. (SF259)

HORTICULTURE AND FLORICULTURE

The cultivar or variety name must be included on all entry cards. If potted container with several cultivar or varieties

identify each individually within the pot. Failure to identify the cultivar or variety will drop the entry one ribbon placing. For Floriculture, punch hole in the top center of entry tag, use a rubber band to securely attach entry tag to containers.

Exhibits entered under an incorrect class number or containing an incorrect number of stems will be dropped one ribbon placing. In classes 23, 45 & 46, do not duplicate entries from the already listed classes. For example 4-H'ers with two cultivars or varieties of marigolds can only enter the marigold class and cannot enter the cultivar or variety in any other class. A perennial is defined as a plant of which the crown overwinters. An annual is a plant that grows from seed each season whether self-seeded or planted by the gardener. A biennial is a plant that germinates, grows, and overwinters as a crown, blooms the following year and dies. Foliage will be considered when exhibit is judged.

Cut Flowers: All 3 or 5 stems of cut flowers should be the same cultivar and color, do not mix cultivars and colors. Containers will not be judged; they should be in CLEAR GLASS CONTAINERS that will not tip over (No plastic containers) and of adequate size to display blooms. Any exhibit not in a clear glass container will be dropped one ribbon placing.

Follow the guidelines in 4-H "Preparing Cut Flowers for Exhibits" 4-H227 (revised 2016) (Free Download – <https://unl.box.com/s/2f3a785c67p7qhqasevp6gu6adf3ugon>) preparing entries for the Fair.

Follow the guidelines in "Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit" 4-H 226 (revised 1994) when preparing entries for the fair.

Scoresheets, forms, contest study materials, and additional resources can be found at

<https://go.unl.edu/ne4hhorticulture>.

Premier 4-H Science Award is available in this area.

ANNUALS/BIENNIALS/PERENNIALS

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Classes 1-23: Cut Flower Annuals and Biennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis. (SF106)

ANNUALS/BIENNIALS

- G770001 Aster**
- G770002 Bachelor Buttons**
- G770003 Bells of Ireland**
- G770004 Browallia**
- G770005 Calendula**
- G770006 Celosia (crested or plume) (3 stems)**
- G770007 Cosmos**
- G770008 Dahlia**
- G770009 Dianthus**
- G770010 Foxglove**
- G770011 Gladiolus (3 stems)**
- G770012 Gomphrena**
- G770013 Hollyhock (3 Stems)**
- G770014 Marigold**
- G770015 Pansy**
- G770016 Petunia**
- G770017 Salvia**
- G770018 Snapdragon**
- G770019 Statice**
- G770020 Sunflower (Under 3" diameter-5 stems; 3" or more 3 stems)**
- G770021 Vinca**
- G770022 Zinnia**
- G770023 Any Other Annuals/Biennials (under 3" diameter - 5 stems, 3" or more - 3 stems)**

CUT FLOWER PERENNIALS

Classes 30-46. Cut Flower Perennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis. (SF106)

- G770030** **Achillea/Yarrow**
- G770031** **Chrysanthemum**
- G770032** **Coneflower**
- G770033** **Coreopsis**
- G770034** **Daisy**
- G770035** **Gaillardia**
- G770036** **Helianthus**
- G770037** **Hydrangea** (3 stems)
- G770038** **Liatris** (3 stems)
- G770039** **Lillies** (Not Day Lilies) (3 stems)
- G770040** **Platycodon**
- G770041** **Rose** (3 stems)
- G770042** **Rudbeckia/Black-eyed Susan**
- G770043** **Sedum**
- G770044** **Statice**
- G770045** **Any other perennial** (under 3" diameter - 5 stems, 3" or more - 3 stems)
- G770046** **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 number specified for classes 1-45. Display in a box or other older not more than 18" in dimension. Do not duplicate entries in classes 1-45 with any in the group collection.

EDUCATIONAL EXHIBITS

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- *G77050** **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. (SF 100)
- *G77051** **Flower Garden Promotion Poster** - Individual poster promoting flower gardening, size 14" x 22", either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayons, etc. if it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry cards must be stapled 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. (SF 103)
- *G77052** **Educational Flower Garden Poster** - Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project you have done or learned about in a 4-H flower 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 cards must be stapled 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. (SF104)
- *G77053** **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. (SF105)

HOUSEPLANTS

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Youth must be enrolled in Growing Great Houseplants project to exhibit in classes 60-66.

Container Grown Houseplants:

1. 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. 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 there is more than one cultivar or variety. Houseplants should be grown in the display container for a minimum of six weeks. Plants grown as house plants must be used. NebGuide G2205 "Guide to Growing Houseplants" and NebGuide G837 "Guide to Selecting Houseplants" includes a listing of common houseplants. Containers of annual flowers or annual plants (i.e., petunias, geraniums, impatiens) will be disqualified and will not be judged.
2. Entries in Classes 60-66 must have been designed and planted by the 4-H member.
3. Container grown houseplants shall be in post no greater than 12" in diameter (inside opening measurement). Dish gardens, fairy or miniature gardens, desert gardens and terrariums may be up to 12" in diameter (inside opening measurement). Any container grown plant in classes 60-66 that is greater than 12" in diameter (inside opening measurement) will be dropped one ribbon placing.
4. Classes 60-65 exhibitors must have and provide a saucer to catch drainage water. The 4-H members' name, age, full address, county, and years in the project(s) must be on the bottom or back of the container and saucer.

- *G770060 Flowering potted houseplant(s)** that are blooming for exhibition. Containers may have one or more houseplants in containers. Label with the name for each plant. Non-blooming plants will be disqualified. (SF 107)
- *G770061 Foliage potted house plant** – One variety of tropical or cacti or succulent plant. Label with name of plant (SF 107)
- *G770062 Hanging baskets** of flowering and/or foliage house plants. Containers may have one or more houseplants in containers. Label variety or cultivar for each plant. (SF 107)
- *G770063 Dish gardens** - An open/shallow container featuring a variety of house plants excluding cacti and succulents. Label with the name for each plant. (SF 107)
- *G770064 Fairy or Miniature Garden** - A miniature "scene" contained in an open container and featuring miniature or small, slow growing house plants. The garden needs to have an imaginative theme and miniature accessories, i.e., bench, fence made from tiny twigs, small shell for a bathtub, etc. Label with the name for each plant. (SF 107)
- *G770065 Desert gardens** - An open/shallow container featuring cacti and/or succulents grown as houseplants. Label with the name for each plant. (SF 107)
- *G770066 Terrariums** - Transparent container, partially or completely enclosed; sealed or unsealed. Label with the name for each plant. (SF 107)

VEGETABLES

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Exhibits are limited to ONE EXHIBIT PER EXHIBIT CLASS NUMBER. 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. (SF108)

Follow the guidelines in "Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit" 4-H226 (Free Download – <https://4h.unl.edu/4hcurriculum/preparingvegetabeshersandfruit> when preparing entries for the fair.

- *G773201 Beans**, lima (12)
- *G773202 Beans**, snap (12)
- *G773203 Beans**, wax (12)
- *G773204 Beets** (5)
- *G773205 Broccoli** (2)
- *G773206 Brussel Sprouts** (12)
- *G773207 Green Cabbage** (2)
- *G773208 Red Cabbage** (2)
- *G773209 Carrots** (5)
- *G773210 Cauliflower** (2)
- *G773211 Slicing Cucumbers** (2)
- *G773212 Pickling Cucumbers** (5)

- *G773213 **Eggplant** (2)
- *G773214 **Kohlrabi** (5)
- *G773215 **Muskmelon/Cantaloupe** (2)
- *G773216 **Okra** (5)
- *G773217 **Yellow Onion** (5)
- *G773218 **Red Onion** (5)
- *G773219 **White Onion** (5)
- *G773220 **Parsnips** (5)
- *G773221 **Bell Peppers** (2)
- *G773222 **Sweet Non-Bell Peppers** (5)
- *G773223 **Jalapeno Peppers** (5)
- *G773224 **Hot (Non-Jalapeno) Pepper** (5)
- *G773225 **White Potatoes** (5)
- *G773226 **Red Potatoes** (5)
- *G773227 **Russet Potatoes** (5)
- *G773228 **Other Potatoes** (5)
- *G773229 **Pumpkin** (2)
- *G773230 **Miniature Pumpkins** (Jack Be Little type) (5)
- *G773231 **Radish** (5)
- *G773232 **Rhubarb** (5)
- *G773233 **Rutabaga** (2)
- *G773234 **Green Summer Squash** (2)
- *G773235 **Yellow Summer Squash** (2)
- *G773236 **White Summer Squash** (2)
- *G773237 **Acorn Squash** (2)
- *G773238 **Butternut Squash** (2)
- *G773239 **Buttercup Squash** (2)
- *G773240 **Other Winter Squash** (2)
- *G773241 **Sweet Corn** (in husks) (5)
- *G773242 **Swiss Chard** (5)
- *G773243 **Red Tomatoes** (2" or more in diameter) (5)
- *G773244 **Roma or Sauce-type Tomatoes** (5)
- *G773245 **Salad Tomatoes** (under 2" diameter) (12)
- *G773246 **Yellow Tomatoes** (2" or more in diameter) (5)
- *G773247 **Turnips** (5)
- *G773248 **Watermelon** (2)
- *G773249 **Dry Edible Beans** (1 pint)
- *G773250 **Gourds, mixed types** (5)
- *G773251 **Gourds, single variety** (5)
- *G773252 **Any Other vegetable** 2, 5 or 12 (do not duplicate entries in classes 201-251) does not fit in any other class.
- *G773255 **Vegetable Garden Collection** of five kinds of vegetables - Display Garden Collection in a box not more than 24" in any dimension. 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). Do not duplicate entries in classes 201-252 with any in the group collection.
- *G773256 **Cultivar Vegetable Collection** - Vegetables entered in the collection are 5 cultivars from a single exhibit: for example, 5 cultivars of all types of peppers, squash, onions, tomatoes, etc. Display in a box not more than 24" in any dimension. Showmanship will be considered. Each vegetable in collection should be exhibited with the number specified in class (201-252).

HERBS

Purple \$3.00 Blue \$2.00 Red \$1.00 White \$.50

Herbs - 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 in a zip lock bag. Those grown for their leaves such as basil, parsley, etc. should be exhibited in a container of water. Potted herb plants will be disqualified and will not be judged.

- *G773260 **Basil** (5)

- *G773261 **Dill** (5 dry)
- *G773262 **Garlic** (5 bulbs)
- *G773263 **Mint** (5)
- *G773264 **Oregano** (5)
- *G773265 **Parsley** (5)
- *G773266 **Sage** (5)
- *G773267 **Thyme** (5)
- *G773268 **Any Other Herb**, (5) Do not duplicate entries in classes 260-267
- *G773269 **Herb Garden** - Collection of 5 different cut herbs. Herbs are to be cut not potted. Displayed in a box or other holder not more than 18" in any dimension. 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

Purple \$3.00 Blue \$2.00 Red \$1.00 White \$.50

Fruits 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.

- *G773280 **Strawberries** (ever bearers) 1 pint
- *G773281 **Grapes** (2 bunches)
- *G773282 **Apples** (5)
- *G773283 **Pears** (5)
- *G773284 **Wild plums** (1 pint)
- *G773285 **Other small fruit or berries** (1 pint) Do not duplicate entries in classes 280-284.
- *G773286 **Other fruits or nuts** (5) Do not duplicate entries in classes 280-284.

EDUCATIONAL EXHIBITS

Purple \$3.00 Blue \$2.00 Red \$1.00 White \$.50

- *G773290 **Garden Promotion Poster** - Individual poster promoting vegetable or herb gardening, size 14" x 22" 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 stapled 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. (SF104)
- *G773291 **Educational Vegetable or Herb Garden Poster** - Prepare a poster 14" x 22" x 2" (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 the 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 stapled 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. (SF104)
- *G773292 **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, full address, county, and years in the project(s) must be on the back of the report cover. (SF105)
- *G773293 **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". 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 site references on where the scientific name information was found. The 4-H member's name, age, full address, 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. (SF101)

- *G773294** **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 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, full address, county, and years in the project(s) must be on the back of the report cover or notebook. (SF102)
- G773295** **Other Garden Exhibit (County Only)**

SPECIAL GARDEN PROJECT EXHIBITS

Purple \$3.00 Blue \$2.00 Red \$1.00 White \$.50

- *G775001** **Special Garden Project Educational Exhibit** - Educational exhibit based on what was learned from the project. Present information on a poster 14" x 22" 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. (SF109) *Examples of projects that could fit in this class:*
- G775002** **Special Garden Project Fresh Cut Flowers or Harvested Vegetables** – The current year's Special Garden Project fresh cut flowers, herbs or harvested vegetables should be entered in this class. Refer to classes 1-45 for quantity to exhibit if special garden project is a fresh cut flower (SF106). Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable. (SF108)
- G775003** **Poem** - Write a poem about some aspects of Mrs. Burns' Lemon Basil growing, cutting blooms, insect it attracts, the choice is yours! Exhibit your poem in a clear plastic report cover.
- G775004** **Choice** - Your choice of a project but be sure it includes something about Mrs. Burns' Lemon Basil.
- G775005** **Picture/Photograph** - This class is up to you if it includes Mrs. Burns' Lemon Basil. Please include an 8" x 10" picture/photo mounted on 14" x 22" poster board with a caption.
- G775006** **Story** - Tell a story about your first experience with Mrs. Burns' Lemon Basil: growing, harvesting, or eating! Be sure to include a picture(s)/photograph(s).
- G775007** **Essay** - Write an essay about what you have learned about Mrs. Burns' Lemon Basil and growing them. Be sure to include things you would change next time and a picture(s)/photograph(s).