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# PLANT SCIENCE

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Only one entry per member per class (except where indicated). The entries must be products of the exhibitor's work.

## AGRONOMY

State Fair Eligible. Individuals in the Crop Production, Field Crops projects may exhibit grain or plants or 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 protection. For guidelines on specific projects, refer to an appropriate project manuals.

### **General Rules/Supporting Information:**

#### Grain or Plant Exhibits – Classes 1-5:

- A completed Crop Production Worksheet (available at <https://go.unl.edu/der2>) must accompany grain and plant exhibits or it will automatically be deducted one ribbon placing. The worksheet must include the exhibitors name, 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 and brought in an appropriate sized box/container for display. Place in a clear container so it can be viewed and displayed.
- Plant exhibits, with the exception of 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.

#### 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 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 SF 259. 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.

Premium: Purple \$4.00; Blue \$3.50; Red \$3.00; White \$2.50

### **Class No.**

**G 750 1** CORN (includes yellow, white, pop, waxy or any other type)

**G 750 2** SOYBEANS

**G 750 3** OATS

**G 750 4** WHEAT

**G 750 5** ANY OTHER CROP (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)

**G 750 6** CROP PRODUCTION DISPLAY - The purpose of this class is to allow original or creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, etc.

**G 750 7** CROP TECHNOLOGY DISPLAY - Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.

**G 750 8** CROP END USE DISPLAY - Display information about the final product or end uses for a crop, such as food, feed, fuel, or other products (i.e. corn can be processed into livestock feed, ethanol, plastics, etc. or soybeans can be processed into bio-diesel, pet bedding, crayons, oil, etc.) This should not be about the process of crop production, but focus on an end product(s).

**G 750 9** 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.

**G 750 10** CAREER INTERVIEW DISPLAY - The purpose of this class is to allow youth to investigate a career in agronomy. Youth should interview 1 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.

## **SPECIAL AGRONOMY PROJECT**

State Fair Eligible. Youth experience a crop that is grown, was grown or has the potential to be grown in Nebraska by growing it, researching it, researching traits of that crop and determine viability of that crop in the part of the state they live. Youth must have

notified and received seeds from Extension Office of current year to exhibit in the 2024 Sugar Beets Special Agronomy Project. A different seed will be selected every year. Youth will grow seeds in their garden or pots. Written resource materials will be available for youth, in addition to virtual, live or recorded videos/field trips.

Premium: Purple \$4.50; Blue \$4.00; Red \$3.50; White \$3.00

**G 750 11 EDUCATION EXHIBIT** - Educational exhibit based on what was learned from the project. Present information on a poster 14"x22" 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. Each display must have a one-page essay (minimum) explaining why the exhibitor chose the area of display and what they learned from the project. Include any references used.

**G 750 12 VIDEO PRESENTATION** - 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.

**G 750 13 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.

## **WEED SCIENCE**

State Fair Eligible. Any individual in the Conversation, Environment 1, 2 or 3, Range, Reading the Range1, Using Nebraska Range 2, Crop Production or Field Crop projects may exhibit a weed book or weed display. At least 15 of 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).

Premium: Purple \$4.00; Blue \$3.50; Red \$3.00; White \$2.50

### **Books – Classes 1-2:**

- Plants must be mounted on sheets that are no larger than 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. Refer to Scoresheet SF261.
- Each completed mount must have the following information: 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 the order that plants were collected in your personal collection, 7) Other information depending on class selected, i.e. noxious, life form, grazing response, value and importance, life span, major types of range plants, season of growth, origin. This information should be typed or printed neatly.

### **Class No.**

**G 751 1 WEED IDENTIFICATION BOOK** - A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, leafy spurge, musk thistle, plumeless thistle, 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.

**G 751 2 LIFE SPAN BOOK** - A collection of 7 perennials, 1 biennial and 7 annual weeds.

### **Displays – Class 3:**

- 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. Refer to Scoresheet 259.
- 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 outside.

**G 751 3 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.

## **RANGE MANAGEMENT**

State Fair Eligible. 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.

### **General Rules:**

- Individuals in the Reading Range Unit 1 project may exhibit in Classes 1-8, and 10. Individuals in the Using Nebraska Range Unit 2 project may exhibit in Classes 1-10.
- 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 2016), Common Grasses of Nebraska (EC170), and Common Forbs and Shrubs of Nebraska (EC118).
- 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.

**BOOKS – Classes 1-6:** 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 below) 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.

**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" 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.

**BOARDS – Classes 8-9:** Boards should be no longer than 30" wide by 36" tall. Boards should be adequately labeled.  
Premium: Purple \$4.00; Blue \$3.50; Red \$3.00; White \$2.50

### **Class No.**

**D 330 1 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, Appendix Table 1 (EC150, 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.

**D 330 2 LIFE SPAN BOOK** - A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses and forbs.

**D 330 3 GROWTH SEASON BOOK** - A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.

**D 330 4 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 see pastures.

**D 330 5 MAJOR TYPES OF RANGE PLANTS BOOK** - A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like and 3 shrubs.

**D 330 6 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.

**D 330 7 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 county on the back of the poster.

**D 330 8 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. This should be placed in a sheet cover attached to the board.

**D 330 9 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.

## **FLORICULTURE**

### **The World of Flowers, Annual Flowers**

State Fair Eligible. **Only one entry per member per class. The cultivar or variety name must be included on all entry cards.** If potted container has more than one plant, identify each individually within the pot. 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. 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 or entry will be dropped one ribbon placing. For example: 4-H'ers with two cultivars or varieties of marigolds can only enter the marigold class and cannot enter the other 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.

Premium: Purple \$3.50; Blue \$3.00; Red \$2.50; White \$2.00

CUT FLOWERS - Containers will not be judged. Flowers should be in CLEAR GLASS CONTAINERS that won't 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. NO SCREW ON LIDS OR SCREW ON RINGS AND FLATS MAY BE USED. To hold flowers in place it is suggested to use tin foil or a type of plastic wrap with holes poked into it or frog lids. Do not mix cultivars and colors. All 3 or 5 stems of cut flowers should be the same cultivar or color. Follow the guidelines in 4-H "Preparing Cut Flowers for Exhibits" 4H227 (revised 2022) at [4H227-2022.pdf](https://www.4-h.org/4H227-2022.pdf) when preparing entries for the fair.

**ANNUALS/BIENNIALS - Exhibit five (5) stems of a single variety (cultivar) unless otherwise noted in parenthesis. Exhibitors may only enter up to five (5) vases of cut flowers (classes 1 - 45).**

**Class No.**

- |   |   |
|---|---|
| <b>G 770 1</b> Aster                                | <b>G 770 14</b> Marigold  |
| <b>G 770 2</b> Bachelor Buttons                     | <b>G 770 15</b> Pansy   |
| <b>G 770 3</b> Bells of Ireland                     | <b>G 770 16</b> Petunia   |
| <b>G 770 4</b> Browallia                            | <b>G 770 17</b> Salvia  |
| <b>G 770 5</b> Calendula                            | <b>G 770 18</b> Snapdragon  |
| <b>G 770 6</b> Celosia (crested or plume) (3 stems) | <b>G 770 19</b> Statice   |
| <b>G 770 7</b> Cosmos                               | <b>G 770 20</b> Sunflower (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems)   |
| <b>G 770 8</b> Dahlia                               | <b>G 770 21</b> Vinca   |
| <b>G 770 9</b> Dianthus                             | <b>G 770 22</b> Zinnia  |
| <b>G 770 10</b> Foxglove                            | <b>G 770 23</b> Any other annual or biennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems) (Do not duplicate entries in classes 1-22) |
| <b>G 770 11</b> Gladiolus (3 stems)                 |   |
| <b>G 770 12</b> Gomphrena                           |   |
| <b>G 770 13</b> Hollyhock (3 stems)                 |   |

**PERENNIALS - Exhibit five (5) stems from a single variety (cultivar) unless otherwise noted in parenthesis**

**Class No.**

- |                                     |  |
|-------------------------------------|--|
| <b>G 770 30</b> Achillea/ Yarrow    | <b>G 770 39</b> Lilies (3 stems) (Not Daylilies)   |
| <b>G 770 31</b> Chrysanthemum       | <b>G 770 40</b> Platycodon   |
| <b>G 770 32</b> Coneflower          | <b>G 770 41</b> Rose (3 stems)   |
| <b>G 770 33</b> Coreopsis           | <b>G 770 42</b> Rudbeckia/Black-eyed Susan   |
| <b>G 770 34</b> Daisy               | <b>G 770 43</b> Sedum  |
| <b>G 770 35</b> Gaillardia          | <b>G 770 44</b> Statice  |
| <b>G 770 36</b> Helianthus          | <b>G 770 45</b> Any other perennial (under 3" in diameter - 5 stems, 3" or more in diameter - 3 stems) (Do not duplicate entries in classes 30-44) |
| <b>G 770 37</b> Hydrangea (3 stems) |  |
| <b>G 770 38</b> Liatris (3 stems)   |  |

**X 770 80** FLORAL ARRANGEMENT: SMALL - Cut flowers only. Diameter of overall exhibit must be less than 6". 4-H'ers do not have to grow plants used. COUNTY FAIR ONLY

**X 770 81** FLORAL ARRANGEMENT: LARGE - Cut flowers only. Diameter of overall exhibit must be greater than 6". 4-H'ers do not have to grow plants used. COUNTY FAIR ONLY

**X 770 82** HOMEMADE/RECYCLED CONTAINER - Container of annual flower(s), i.e. milk jug hanging basket. Container not to exceed 20" in any one dimension. COUNTY FAIR ONLY

Premium: Purple \$4.50; Blue \$4.00; Red \$3.50; White \$3.00

**G 770 46** 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 of specified for classes G 770 1 - G 770 45. Display in a box or other holder not more than 18" in any dimension. Do not duplicate entries in classes G 770 1 - G 770 45 with any in the group collection.

**G 770 50** FLOWER NOTEBOOK - Exhibit a notebook containing pictures of flowers grown in Nebraska. There must be at least 10 species of annuals/biennials and 10 species of perennials handy 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 cultivar must be labeled with the correct common name/s and scientific name; the height and spread of the plant and the growing conditions (for example, needs full sun) the flower prefers. Bulbs may be included in a separate section. In addition to the above 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'ers name, age, years in the project/s, and county must be on the back of the notebook.

**G 770 51** FLOWER GARDEN PROMOTION POSTER - Individual poster promoting flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium as 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.

**G 770 52** 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 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 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.

**G 770 53** 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.

## HOUSEPLANTS

State Fair Eligible. Youth must be enrolled in Growing Great Houseplants to exhibit in Classes 60 - 66. 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 a card attached to the container. Houseplants should be grown in the display container for a minimum of six weeks. Plants grown as houseplants must be used. NebGuides G837 and G2205 at <http://extensionpubs.unl.edu> will offer tips on selecting and growing houseplants. Containers of annual flowers or annual plants will be disqualified and not judged. Entries must have been designed and planted by the 4-H member. Container grown houseplants shall be in pots no greater than 12" in diameter (inside opening measurement). Dish, Desert, and Fairy or miniature Gardens and Terrariums may be up to 12" in diameter (inside opening measurement) in any dimension of length or width. All potted plants are to be in a one pot container. Any container grown plant in Classes 60-66 that does not follow these guidelines will be dropped one ribbon placing. Containers must have saucer to catch drainage water. The 4-H members name, age, county, and years in project/s must be on the bottom or back of the container and saucer.

Premium: Purple \$4.50; Blue \$4.00; Red \$3.50; White \$3.00

### **Class No.**

**G 770 60 FLOWERING POTTED HOUSEPLANT** that is blooming for exhibition. Non-blooming plants will be disqualified. Container may have one or more houseplants in container. Label with name of each plant. Pots no greater than 12" in diameter.

**G 770 61 FOLIAGE POTTED HOUSEPLANT** - One variety of tropical or cacti or succulent plant. Label with name of plant.

**G 770 62 HANGING BASKET** - Of flowering and/or foliage potted houseplants Container may have one or more houseplants in container. Label with name of each plant.

**G 770 63 DISH GARDEN** - An open container featuring a variety of houseplants excluding cacti and succulents. Must have been designed and planted by the 4-H'er. Label with name of each plant.

**G 770 64 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 of each plant.

**G 770 65 DESERT GARDEN** - An open shallow container featuring cacti and/or succulents. Must have been designed and planted by the 4-H'er. Label with name of each plant.

**G 770 66 TERRARIUM** - Transparent container, partially or completely enclosed; sealed or unsealed, up to 12" in diameter. Label with name of each plant.

## VEGETABLES

### **Everyone A Gardener, Gardening: Units 1-4**

State Fair Eligible. **Only one entry per member per class.** 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 classes listed 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. Follow the guidelines in "Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit" 4-H 226 (revised June 2013) available at <http://4h.unl.edu/4hcurriculum/PreparingVegetablesHerbsandFruit>. Plates will be provided for the exhibitor. In all classes, exhibit the number of vegetables specified below.

Premium: Purple \$3.50; Blue \$3.00; Red \$2.50; White \$2.00

**INDIVIDUAL VEGETABLE** - Exhibitor may enter up to 5 different plates of vegetables from Classes 201-252.

### **Class No.**

**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** Brussels 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 773 227** Russet Potatoes - 5

**G 773 228** Other Potatoes - 5

**G 773 229** Pumpkin - 2

**G 773 230** Miniature Pumpkins - 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" or more in diameter) - 5

**G 773 244** Roma or Sauce-type tomatoes - 5

**G 773 245** Salad Tomatoes (under 2" diameter) - 12

**G 773 246** Yellow Tomatoes (2" 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 typed - 5

**G 773 225** White Potatoes - 5  
**G 773 226** Red Potatoes - 5

**G 773 251** Gourds, single variety - 5  
**G 773 252** Any other vegetables 2, 5 or 12 that doesn't fit in any other class. (do not duplicate entries in classes 201-252)

Premium: Purple \$5.00; Blue \$4.50; Red, \$4.00; White \$3.50

**G 773 255** VEGETABLE GARDEN COLLECTION - 5 kinds of fresh vegetables displayed in a box not to exceed 24" in any dimension. Showmanship will be considered in judging. Do not use plastic, grass, cotton, figurines, etc. in exhibit box. 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.

**G 773 256** CULTIVAR VEGETABLE COLLECTION - 5 cultivars of one kind of vegetable i.e. 5 cultivars of peppers or squash or onions or tomatoes, etc. Display in a box not more than 24" in any dimension. Showmanship will be considered, but plastic grass, figurines, etc. should not be used. Each cultivar should be exhibited with the number specified for the vegetable in class 201-252.

## **HERBS**

Premium: Purple \$3.50; Blue \$3.00; Red \$2.50; White \$2.00

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). NO SCREW ON 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. Exhibit the bulbs of garlic. Exhibit 5 of each herb entered. Exhibitors may enter up to five different herbs. Potted herbs will be disqualified.

### **Class No.**

**G 773 260** Basil - 5

**G 773 265** Parsley - 5

**G 773 261** Dill (dry/not in water) - 5

**G 773 266** Sage - 5

**G 773 262** Garlic (bulbs) - 5

**G 773 267** Thyme - 5

**G 773 263** Mint - 5

**G 773 268** Any Other Herb - 5 (do not duplicate entries in classes 260-267)

**G 773 264** Oregano - 5

Premium: Purple \$5.00; Blue \$4.50; Red, \$4.00; White \$3.50

**G 773 269** HERB GARDEN DISPLAY - 5 different herbs. To be 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 and method specified in Classes G773260 - G773268.

**G 773 290** 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 as long as it is not 3-dimensional. Posters using copyrighted material will not be accepted. Entry card must be attached to 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.

**G 773 291** EDUCATIONAL VEGETABLE OR HERB GARDEN POSTER - Prepare a 14" x 22" x 2" poster (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project you have done or learned in a 4-H horticulture project. You might show a special technique used or equipment incorporated in the garden. Refer to 4-H horticulture project manuals, but use your own creativity. The 4-H member's name, age, county and years in project/s must be on the back of the poster. Entry card must be attached to the upper right hand corner.

**G 773 292** VEGETABLE AND/OR HERB HISTORY INTERVIEW - Neatly handwritten or typed account of a gardening history interview of someone whose 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 (flower and/or vegetables) 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.

**G 773 293** VEGETABLE SEED DISPLAY - Each display must include seeds representing the following families: Cucurbita, Brassica (cabbage), Solanaceous (nightshade) and Legume (Pea) families plus representatives from 5 other families. Group the seeds by family or type. Glue seeds or otherwise fasten clear containers of seeds to a board or poster matt 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 scientific name information was found. The 4-H'ers name, age, years in the garden project, and county must be on the back of the display.

**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 handwritten 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. Give proper credit by listing the source of pictures and information used. Favorite recipes using some or all of the vegetable described may be included. Protect in a clear report cover. The 4-H member's name, age, years in the project, and county must be on the back cover of the report.

## **FRUIT**

Premium: Purple \$3.50; Blue \$3.00; Red \$2.50; White \$2.00

Fruit will be judged using the same general criteria used for vegetables (as specified in 4-H 226, page 8). Fruit will be judged for the stage of maturity normal for that season. Emphasis will be placed on how well fruit approaches market quality. Exhibitors may enter up to five different plates of fruit.

### **Class No.**

**G 773 280** Strawberries (everbearers) - 1 cup

**G 773 281** Grapes - 2 bunches

**G 773 282** Apples - 5

**G 773 283** Pears - 5

**G 773 284** Wild Plums - 5

**G 773 285** Other small fruit or berries - 1 cup (do not duplicate entries in classes 280-284)

**G 773 286** Other fruits or nuts - 5 (do not duplicate entries in classes 280-284)

### **SPECIAL GARDEN PROJECT**

State Fair Eligible. Youth must be enrolled in and received seeds from Extension office to exhibit in Special Garden Project. The project changes annually. Information found at <https://4h.unl.edu/social-garden-project>.

Premium: Purple \$4.50; Blue \$4.00; Red \$3.50; White \$3.00

**G 775 1** SPECIAL GARDEN 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, and county must be on the back of the poster or report cover.

**G 775 2** SPECIAL GARDEN PROJECT FRESH CUT FLOWERS, HERBS 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 G 770 1 – G 770 45 for quantity to exhibit if Special Garden Project is a fresh cut flower. Refer to classes G 773 201 – G 773 252 for quantity to exhibit if Special Garden Project is a vegetable. Flowers and herbs must be cut not potted.