

**DEPARTMENT G  
PLANT SCIENCE  
Superintendent: TBA**

**Agronomy  
FIELD CROPS**

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 protection. For guidelines on specific projects, refer to appropriate project manuals. Please see General Rules for more details. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

**FIELD CROPS (SF264)**

**G750-001 Corn** (includes yellow, white, pop, waxy, or any other type)

**G750-002 Soybeans**

**G750-003 Oats**

**G750-004 Wheat**

**G750-005 Any other crop** (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

**G750-006 Crop Production Display (SF259)** 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.

**G750-007 Crop Technology Display (SF259)** Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.

**G750-008 Crop End Use Display (SF259)** Display information about the uses for a Crop, such as food, feed, fuel or other products. This should not be about the process of crop production but focus on an end product(s).

**G750-009 Water or Soil Display (SF259)** 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 sources.

**G750-010 Career Interview Display (SF259)** 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.

**G750-011 - Special Agronomy Project - Educational Exhibit (SF259)** 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.

**G750-012 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.

**G750-013 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

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

- A completed Crop Production Worksheet (available at ...) must accompany grain and plant exhibits or it will automatically be deducted one ribbon placing. The worksheet must include the exhibitor's 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, 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.

### 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 the exhibitor's name, address, and county on the 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.

### 3. NEW: Special Agronomy Project -Classes 11-13 Youth experience a crop that is grown, was grown or has the potential to be grown in Nebraska by growing it, researching traits of that crop and determining 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. Offices will distribute to youth on a first, come – first 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.

Youth will be eligible to enter an exhibit at both the county and/or state fair in the agronomy project area

## WEED SCIENCE

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

**F751-001 Weed Identification Book (SF261)** A collection of a minimum of 15 plant mounts including at least two of the following prohibited noxious weeds (Canada thistle, musk thistle, plumeless thistle, saltcedar, leafy spurge, purple loosestrife, diffuse knapweed, spotted knapweed, Japanese knotweed, Bohemian knotweed, or phragmites), and at least three weeds that are a problem primarily in lawns.

**F751-002 Life Span Book (SF259)** A collection of 7 perennials, 1 biennial, and 7 annual weeds.

**F751-003 Weed Display (SF259)** 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.

### Rules

1. 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 of the specimens must represent this year's work. For assistance identifying plants, participants can use the Nebraska Department of Agriculture's Weeds of Nebraska and the Great Plains (1994) or Weeds of the Great Plains (2003).
2. 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 (see example below) in the lower right corner of the mounting sheet: - Scientific name (in italic or underlined), with authority, - Common name, - County of collection, - Collection date, - Collector's name, - Personal collection number, indicating the order that plants were collected in your personal collection, - Other information depending on class selected, i.e., noxious, life form. This information should be typed or printed neatly.
3. 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 the display with the exhibitor's name, address, and county on the back side. Explain pictures and graphs clearly and concisely. Refer to Scoresheet SF259.
  - 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.

### RANGE MANAGEMENT

**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 INFORMATION:

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.
3. 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).
4. 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.
5. For guidelines on specific projects, refer to appropriate project manuals.

### Rules

1. 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. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet: Scientific name (in italic or underlined), with authority - Common name. - County of collection. - Collection date. - Collector's name. - Personal collection number, indicating order that plants were collected in your personal collection, - 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.
2. 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 the display with the exhibitor's name, address, and county on the back side.
3. Boards (Classes 8-910): Boards should be no larger than 30" wide by 36" tall or if hinged in the middle a maximum of 60" wide by 36" tall. Boards should be adequately labeled.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

## **BOOKS**

**D330-001 Value and Importance for Livestock Forage and Wildlife Habitat and Food Book (SF260)** A collection of 12 different plant mounts, with 4 classified as high value, 4 as medium value, and 4 as low value for livestock forage, wildlife habitat, or wildlife food. Value and importance classifications can be found in the Range Judging Handbook and Contest Guide (EC150, Revised July 2009) on pages 3 through 6. Plants can consist of any combination of grasses, grass-like plants, forbs, or shrubs. Assemble plant mounts in order of high, medium, and low value and importance. Label each plant mount with its value and importance classifications for each of the three areas; Livestock Forage, Wildlife Habitat, Wildlife Food.

**D330-002 Life Span Book (SF260)** A collection of 6 perennial plant mounts and 6 annual plant mounts selected from grasses or forbs.

**D330-003 Growth Season Book (SF260)** A collection of 6 cool-season grass mounts and 6 warm-season grass mounts.

**D330-004 Origin Book (SF260)** 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.

**D330-005 Major Types of Range Plants Book (SF260)** A collection of plant mounts of 3 grasses, 3 forbs, 3 grass-like, and 3 shrubs.

**D330-006 Range Plant Collection Book (SF260)** 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.

**D330-007 Parts of a Range Plant Poster (SF259)** 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.

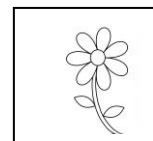
**D330-008 Special Study Board (SF260)** A display of the results of a clipping study, a degree of use study or a range site study, etc.

**D330-09 Junior Rancher Board (SF260)** This exhibit should include a ranch map with a record book or an appropriate educational display on some phase of rangeland or livestock management.

## **HORTICULTURE**

**The purpose of Horticulture is to encourage participants to start and maintain vegetable gardens. In addition, 4-H'ers can participate in planting, growing, and caring for flowers. There is also a special gardening project in this category that 4-H'ers can participate in.**

### **FLORICULTURE, EDUCATIONAL EXHIBITS AND HOUSEPLANTS**



#### **Rules**

##### **FLORICULTURE (CLASSES 1-46)**

1. Classes 1-23: Cut Flower Annuals and Biennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.
2. Classes 30-46: Cut Flower Perennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.
3. 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. For Floriculture, punch hole in the top center of the entry tag, use a rubber band to securely attach the entry tag to containers.
4. 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 with the classes listed by using other cultivars or varieties, 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 the exhibit is judged.
5. 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; however, they should be clear glass containers that won't tip over (No plastic containers at State Fair) and of adequate size to display blooms. Any exhibit not in a clear glass container will be dropped one ribbon placing. Containers will not be returned at the State Fair.
6. Follow the guidelines in 4-H Preparing Cut Flowers for Exhibits 4H227 (revised 2016) [unl.box.com/s/2f3a785c67p7qhqasevp6gu6adf3ugon](http://unl.box.com/s/2f3a785c67p7qhqasevp6gu6adf3ugon) when preparing entries for the fair.
7. All static exhibits must have received a purple ribbon at the county fair to advance to the State Fair.

PREMIUM   Purple   Blue   Red   White

\$4.00 \$3.00 \$2.50 \$2.00

## **FLORICULTURE**

Cut Flower - annuals and biennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

Classes 1-23 (**SF106**)

**G770-001 Aster**

**G770-002 Bachelor Buttons**

**G770-003 Bells of Ireland**

**G770-004 Browallia**

**G770-005 Calendula**

**G770-006 Celosia** (crested or plume) (3 stems)

**G770-007 Cosmos**

**G770-008 Dahlia**

**G770-009 Dianthus**

**G770-010 Foxglove**

**G770-011 Gladiolus** (3 stems)

**G770-012 Gomphrena**

**G770-013 Hollyhock** (3 stems)

**G770-014 Marigold**

**G770-015 Pansy**

**G770-016 Petunia**

**G770-017 Salvia**

**G770-018 Snapdragon**

**G770-019 Statice**

**G770-020 Sunflower** (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems)

**G770-021 Vinca**

**G770-022 Zinnia**

**G770-023 Any Other Annual or Biennial** (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems)

Cut Flower - perennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

Classes 30-46 (**SF106**)

**G770-030 Achillea/Yarrow**

**G770-031 Chrysanthemum**

**G770-032 Coneflower**

**G770-033 Coreopsis**

**G770-034 Daisy**

**G770-035 Gaillardia**

**G770-036 Helianthus**

**G770-037 Hydrangea** (3 stems)

**G770-038-Liatris** (3 stems)

**G770-039 Lilies** (3 stems) (Not Daylilies)

**G770-040 Platycodon**

**G770-041 Rose** (3 stems)

**G770-042 Rudbeckia/Black-eyed Susan**

**G770-043 Sedum**

**G770-044 Statice**

**G770-045 Any Other Perennial** (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems) (do not duplicate entries in classes 30-43)

**G770-046 4-H Flower Garden Collection of 5 different flowers.** 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" in any dimension.

Boxes will not be returned at the State Fair. Do not duplicate entries in classes 1-45 with any in the group collection.

**G770-901 Flowering Outdoor Potted Plants** – must be blooming or will be disqualified. Identify by listing names of plants on the entry tag or card attached to the container. Must be planted a minimum of 6 weeks in the display container. Container size is up to individual, but entry must weigh under 20#. Must have and provide a saucer to catch drainage water.

**G770-902 Arrangement Fresh Floral Design Bouquet-** Display of flower and greenery must be from your own garden and arranged in an attractive way.

## **EDUCATIONAL EXHIBITS (CLASSES 50-53) & HOUSEPLANTS (CLASSES 60-66)**

### **RULES:**

1. 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. Houseplants should be grown in the display container for a minimum of six weeks. Plants grown as houseplants 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, and 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 pots 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.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

### **EDUCATIONAL EXHIBITS**

**G770-050 Flower Notebook (SF100)** 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 will 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, full address, county, and years in the project(s) must be on the back of the notebook.

**G770-051 Flower Garden Promotion Poster (SF103)** Individual poster promoting flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayon, etc. as long as they are not 3-dimensional. Posters using copyrighted material such as the cartoon "Garfield" will not be accepted. Entry card must be stapled to the upper right-hand corner. The 4-H member's name, age, full address and county must be on the back of the poster.

**G770-052 Educational Flower Garden Poster (SF104)** 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, full address, county, and years in the flower project(s) must be on the back of the poster.

**G770-053 Flower Gardening History Interview (SF105)** 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, full address, and county must be on the back of the report cover.

PREMIUM	Purple	Blue	Red	White
	\$5.00	\$4.00	\$3.50	\$3.00

### **Houseplants**

**G770-060 Flowering potted houseplant(s) (SF107)** that are blooming for exhibition. Container may have one or more houseplants in container. Label variety or cultivar for each plant. Non-blooming plants will be disqualified.

**G770-061 Foliage potted houseplant (SF107)** one variety of tropical or cacti or succulent plant.

**G770-062 Hanging basket (SF107)** of flowering and/or foliage houseplants. Container may have one or more houseplants in container. Label variety or cultivar for each plant.

**G770-063 Dish garden (SF 107)** an open/shallow container featuring a variety of houseplants excluding cacti and succulents. Label variety or cultivar for each plant.

**G770-064 Fairy or Miniature garden (SF107)** 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 variety or cultivar for each plant.

**G770-065 Desert garden (SF107)** an open/shallow container featuring a variety of cacti and/or succulents grown as houseplants. Label variety or cultivar for each plant.

**G770-066 Terrarium (SF107)** a transparent container, partially or completely enclosed; sealed or unsealed. Label variety or cultivar for each plant.

**G770-905 Lawn or Garden Accessory or Outdoor Planters (SF107)**

## VEGETABLES, HERBS & FRUITS & EDUCATIONAL EXHIBITS



1. 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. Score Sheet SF108.
2. Follow the guidelines in Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit 4H226 (revised June 2013) when preparing entries for the fair. At State Fair, plates will be provided for the exhibitor.
3. Vegetables (Classes 1-56) Class, Vegetable, Number's to Exhibit
4. 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 glass container of water. Containers may not be returned from the State Fair. Potted herb plants will be disqualified and will not be judged. Score Sheet SF108.
5. Fruits (Classes 80-86) 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. Score Sheet SF108.

PREMIUMS	Purple	Blue	Red	White
Classes 201-286	\$4.00	\$3.00	\$2.50	\$2.00

### Horticulture- Vegetables

Vegetable, #'s to Exhibit

Classes 1-56 (SF108)

- G773-201 Lima Beans, 12
- G773-202 Snap Beans, 12
- G773-203 Wax Beans, 12
- G773-204 Beets, 5
- G773-205 Broccoli, 2
- G773-206 Brussels Sprouts, 12
- G773-207 Green Cabbage, 2
- G773-208 Red Cabbage, 2
- G773-209 Carrots, 5
- G773-210 Cauliflower, 2
- G773-211 Slicing Cucumbers, 2
- G773-212 Pickling Cucumbers, 5
- G773-213 Eggplant, 2
- G773-214 Kohlrabi, 5
- G773-215 Muskmelon/Cantaloupe, 2
- G773-216 Okra, 5
- G773-217 Yellow Onions, 5
- G773-218 Red Onions, 5
- G773-219 White Onions, 5
- G773-220 Parsnips, 5
- G773-221 Bell Peppers, 5
- G773-222 Sweet (Non-Bell) Peppers, 5
- G773-223 Jalapeño Peppers, 5
- G773-224 Hot (Non-Jalapeno) Peppers, 5
- G773-225 White Potatoes, 5
- G773-226 Red Potatoes, 5
- G773-227 Russet Potatoes, 5
- G773-228 Other Potatoes, 5
- G773-229 Pumpkin, 2
- G773-230 Miniature Pumpkins (Jack Be Little Type), 5
- G773-231 Radish, 5
- G773-232 Rhubarb, 5
- G773-233 Rutabaga, 2
- G773-234 Green Summer Squash, 2
- G773-235 Yellow Summer Squash, 2
- G773-236 White Summer Squash, 2
- G773-237 Acorn Squash, 2

- G773-238 Butternut Squash, 2**
- G773-239 Buttercup Squash, 2**
- G773-240 Other Winter Squash, 2**
- G773-241 Sweet Corn (in husks), 5**
- G773-242 Swiss Chard, 5**
- G773-243 Red Tomatoes (2" or more in diameter), 5**
- G773-244 Roma or Sauce-type Tomatoes, 5**
- G773-245 Salad Tomatoes (under 2" diameter), 12**
- G773-246 Yellow Tomatoes (2" or more in diameter), 5**
- G773-247 Turnips, 5**
- G773-248 Watermelon, 2**
- G773-249 Dry Edible Beans, 1 pint**
- G773-250 Gourds, mixed types, 5**
- G773-251 Gourds, single variety, 5**
- G773-252 Any other vegetable, 2, 5 or 12 (do not duplicate entries in classes 201-250) that doesn't fit in any other class**
- G773-255 4-H Vegetable Garden Collection** of five kinds of vegetables. Display Garden Collection in a box not more than 24" in any dimension. Boxes may not be returned from the 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). Do not duplicate entries in classes 201-252 with any in the group collection.
- G773-256 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" in any dimension. Boxes may not be returned from the 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).
- G773-906 Largest Onion, 1**
- G773-907 Largest Squash, 1**
- G773-908 Painted Gourd, 1**

**HERBS**

**Classes 60-69 (SF108)**

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 glass container of water. Potted herb plants will be disqualified and will not be judged.

- G773-260 Basil, 5**
- G773-261 Dill (dry), 5**
- G773-262 Garlic (bulbs), 5**
- G773-263 Mint, 5**
- G773-264 Oregano, 5**
- G773-265 Parsley, 5**
- G773-266 Sage, 5**
- G773-267 Thyme, 5**
- G773-268 Any other herb, 5 (do not duplicate entries in classes 260-267)**

**G773-269 4-H Herb Garden** display of 5 different herbs. Displayed in a box or other holder not more than 18" in any dimension. Boxes may not be returned from the 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 Scoresheet: (SF108)**

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.

- G773-280 Strawberries (everbearers), 1 pint**
- G773-281 Grapes, 2 bunches**
- G773-282 Apples, 5**
- G773-283 Pears, 5**
- G773-284 Wild Plums, 1 pint**
- G773-285 Other Small Fruit or Berries, 1 pint**
- G773-286 Other Fruits OR Nuts, 5**

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00



### **Educational Exhibits**

**G773-290 Garden Promotion Poster (SF103)** 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 they are not 3-dimensional. Posters using copyrighted material such as the "Peanuts" cartoon will not be accepted. Entry card must be stapled to the upper right-hand corner. The 4-H member's name, age, full address, and county must be on the back of the poster.

**G773-291 Educational Vegetable or Herb Garden Poster (SF104)** 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, full address, and years in the project(s) must be on the back of the poster.

**G773-292 Vegetable and/or Herb Gardening History Interview (SF105)** 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, and county must be on the back of the report cover.

**G773-293 Vegetable Seed Display (SF101)** 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.

**G773-294 World of Vegetables Notebook (SF102)** 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, full address, county, and years in the garden project must be on the back of the report cover or notebook.

PREMIUM	Purple	Blue	Red	White
	\$4.00	\$3.00	\$2.50	\$2.00

### **SPECIAL HORTICULTURE PROJECT**

**G775-001 Special Garden Project Educational Exhibit (SF109)** 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.

**G775-002. Special Garden Project Fresh Cut Flowers or Harvested Vegetables (SF109)** The current years' Special Garden Project fresh cut flowers or harvested vegetables should be entered in this class. Refer to classes 001-044 for quantity to exhibit if special garden project is a fresh cut flower. Score Sheet SF106. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable.