

Horticulture

Floriculture, Educational Exhibits & Houseplants

Department G, Division 770

Superintendent – Kent Fritzler

Youth must be enrolled in the **World of Flowers** and/or **Annual Flowers** projects to exhibit in classes G770001-G7700046 (cut flowers) and G770050-G770053 (educational exhibits). Exhibits are limited to one exhibit per exhibit class number. **Entries must be the work of the 4-H member.** All exhibits must receive a purple ribbon at the county fair to advance to the State Fair.

The cultivar or variety name must be included on all entry cards. Failure to identify the cultivar or variety will drop the entry one ribbon placing. Proper identification is the responsibility of the exhibitor not the Extension staff or office personnel. 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 G770023, G770045 & G770046, 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-Hers 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.

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 in clear glass containers that won't tip over (NO PLASTIC CONTAINERS AT STATE FAIR. Any exhibit not in a clear glass container will be dropped one ribbon placing) and of adequate size to display blooms. Containers will not be returned at State Fair.

Follow the guidelines in 4-H "Preparing Cut Flowers for Exhibits" when preparing entries for the fair. <https://unl.app.box.com/s/2f3a785c67p7qhqasevp6gu6adf3ugon> Cut Flower Annuals and Biennials - 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

Division G770, Floriculture (SF103)

- 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 in diameter - 3 stems)
- G770021* Vinca
- G770022* Zinnia
- G770023* Any other annual or biennial (under 3" diameter - 5 stems, 3" or more in diameter - 3 stems) (do not duplicate entries in classes G770001-G770022)

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* Gaiollardia
- G770036* Helianthus
- G770037* Hydrangea (3 stems)
- G770038* Liatris (3 stems)
- G770039* Lillies (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 in diameter - 3 stems) (do not duplicate entries in classes G770030-G770044)
- G770046* **4-H Flower Garden Collection of 5 different Flowers** Display in a box or other holder not more than 18" in any dimension. Boxes will not be returned at State Fair. Each flower in the collection should be exhibited with the number specified for classes G770001-G770045. Do not duplicate entries in classes G770001-G770045 with any in the group collection.

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EDUCATIONAL EXHIBITS

- G770050* 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 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, full address, county, and years in the project(s) must be on the back of the notebook.

- G770051* 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 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, full address, county, and years in the project(s) must be on the back of the poster.
- G770052* 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 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 card must be stapled to the upper right hand corner. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the poster.
- G770053* 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, county, and years in the project(s) must be on the back of the report cover.

Box Butte County Blooming Bucket Exhibit (Annual or Perennial) – County Only

- G770054 Decorate and plant a bucket with flowers. Will be displayed during fair as a decoration. One exhibit per 4-H member. Will be judged on bucket decoration and flower quality.

HOUSEPLANTS (SF107)

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, impatiens) will be disqualified and will not be judged. Entries in Classes G770060-G770066 must have been designed and planted by the 4-H member. Container grown houseplants must have received a purple ribbon at the county fair to be exhibited at the State Fair. 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 G770060-G770066 that is greater than 12” in diameter (inside opening measurement) will be dropped one ribbon placing. Classes G770060-G770065 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. Non-blooming plants will be disqualified.

G770061* Foliage potted houseplant(s) of all the same variety.

G770062* Hanging basket of flowering and/or foliage houseplants.

G770063* Dish garden - an open/shallow container featuring a variety of houseplants excluding cacti and succulents.

G770064* 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.

G770065* Desert garden - an open/shallow container featuring cacti and/or succulents grown as housplants.

G770066* Terrarium - a transparent container, partially or completely enclosed; sealed or unsealed.

*State Fair eligible

Vegetables, Herbs and Fruit & Educational Exhibits

Department G, Division 773

Superintendent – Fran Bright

Exhibits are limited to ONE EXHIBIT PER EXHIBIT CLASS NUMBER. **Entries must be the work of the 4-H member.** Notebooks and posters must have received a purple ribbon at the county fair to advance to the State Fair.

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 G773252, G773255, G773268, G773269, G773285 and G773286 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 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.

Follow the guidelines in "Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit" https://4h.unl.edu/documents/SelectingPreparingVegHerbFruit_6-24-13.pdf when preparing entries for the fair. Plates will be provided for the exhibitor.

Vegetables

<u>Class</u>	<u>#'s to Exhibit</u>
G773201* Lima Beans	12
G773202* Snap Beans	12
G773203* Wax Beans	12
G773204* Beets	5
G773205* Broccoli	2
G773206* Brussels 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 Onions	5
G773218* Red Onions	5
G773219* White Onions	5
G773220* Parsnips	5
G773221* Bell Peppers	5
G773222* Sweet (Non-Bell) Peppers	5

G773223*	Jalapeño Peppers	5
G773224*	Hot (Non-Jalapeño) Peppers	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 G773201-G773251) doesn't fit in any other class	
G773255*	4-H Vegetable Garden Collection of five kinds of vegetables. Display Garden Collection in a box not more than 24" in any dimension. Boxes will not be returned at 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 (G773201-G773252). Do not duplicate entries in classes G773201-G773252 with any in the group collection.	
G773256*	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 will not be returned at 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 (G773201-G773252).	

HERBS (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. Containers will not be returned at State Fair. Potted herb plants will be disqualified and will not be judged. Score Sheet SF108.

G773260*	Basil	5
G773261*	Dill (dry)	5
G773262*	Garlic (bulbs)	5
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 G773260-G773267)

G773269* **4-H Herb Garden Display of 5 different herbs.** Displayed in a box or other holder not more than 18" in any dimension. Boxes will not be returned at State Fair. Each herb in the collection should be exhibited with the number specified for classes G773260-G773268. Do not duplicate entries in classes G773260-G773268 with any in the group collection.

FRUITS (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. Score Sheet SF108.

G773280*	Strawberries (everbearers)	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 G773280-G773284)		
G773286*	Other fruits OR nuts	5
(do not duplicate entries in classes G773280-G773284)		

EDUCATIONAL EXHIBITS

G773290* **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 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, full address, county, and years in the project(s) must be on the back of the poster.

G773291* **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-Her 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, county, and years in the project(s) must be on the back of the poster.

G773292* **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, county, and years in the project(s) must be on the back of the report cover.

G773293* **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.

G773294* **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 project(s) must be on the back of the report cover or notebook.

G773299 **Other Plant Science Exhibit.** Not eligible for State Fair or County Awards. Must meet guidelines in Project Manual.

SPECIAL GARDEN PROJECT

Youth must be enrolled in the current years' Special Garden Project to exhibit. Fresh cut flowers or harvested vegetables should be entered in the appropriate class.

NOTE: A completed evaluation must be submitted with your project at judging. Evaluation forms were distributed with your seeds or, can be downloaded from the Box Butte County Extension webpage. Projects submitted without an evaluation will be dropped a ribbon placing and are not eligible to compete for the Special Garden Project Award.

G775001* Special Garden Project (SF 109) **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. Fresh cut flowers or harvested vegetables should be entered in the appropriate class. The 4-H member's name, age, full address and county must be on the back of the poster or report cover.

G775002* Special Garden Project **Fresh Cut Flowers or Harvested Vegetables** – The current years' Special Garden Project fresh cut flowers (SF106) or harvested vegetables (SF108) should be entered in this class.

*State Fair eligible

DIVISION 777 – Landscape: Grow A Beautiful Space

Each county may select 10% of their youth enrolled in the **Landscape Professionals & Design Principles Unit 1, Landscape Plants & Materials Unit 2** and **Landscape Graphics & the Design Process Unit 3** to exhibit at State Fair.

G777401* **Grow a Beautiful Space Unit 1 Portfolio Notebook** - Create and complete 'Landscape Professionals & Design Principles' Unit 1 Portfolio, 4H6110P. Present portfolio information in a three ring binder. Give proper credit by listing the sources of photographs/images and information used. The 4H member's name, age, full address, county, and years in the project(s) must be on the back of the notebook. Score Sheet SF110

G777402* **Establish Landscape Analysis Poster** - Take multiple photographs of a landscape that has been established for 10 or more years. Critique the landscape based on each of the design principles (order, unity, rhythm, balance, scale or proportion, and emphasis). Describe the spatial definition of the landscape and what different areas of the landscape "feel like". Include photos taken to support your critique. Describe what changes need to be made in the landscape to improve its characteristics and sense of space. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner. The 4H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. Score Sheet SF110

G777403* **Grow a Beautiful Space Unit 2 Portfolio Notebook** - Create and complete 'Landscape Plants & Materials' Unit 2 Portfolio, 4H6120P. Present portfolio information in a three ring binder. Give proper credit by listing the sources of photographs/images and information used. The 4H member's name, age, full address, county, and years in the project(s) must be on the back of the notebook. Score Sheet SF111

G777404* **Landscape Renovation Poster** - Take multiple photographs of a landscape that doesn't quite look right because it doesn't reflect sound design principles. Select a landscape in which you can make at least three design recommendations. Identify how the design principles (order, unity, rhythm, balance, scale or proportion, and emphasis) could be better integrated into the landscape, and how plants or materials with specific features (size, form, color, or texture) could improve the space. Reduce the opacity of the images to 50-60 percent and sketch plants, structures, materials, and/or amenities that

could improve the overall design over the original images. The poster should include the original image(s) and improved image(s), and include a short explanation of how the landscape design was improved. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner. The 4H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. Score Sheet SF111

G777405* **Estimating Dreams Poster** - Select a dream landscape as if money is not a consideration. Develop a plan drawing of the landscape. Draw landscape to scale. Identify the types of plants, structures, and amenities used in the landscape. Research the cost of the plants and amenities and the installation. Include the general cost of grading (if needed) and labor that could be associated with installation. Create a list, noting the plants that are included in the space. The quantities of plants and the structures, materials, or amenities and their cost should be included. Calculate the final total estimate. The poster should include the scale drawing of the landscape, identification of plants, structures and amenities, and cost and labor. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner. The 4H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. Score Sheet SF111

G777406* **Site Inventory & Analysis Poster** - Make an unscaled drawing of the landscape you inventoried and analyzed. Develop two drawings: a site inventory and a site analysis. The site inventory and site analysis should be communicated through a combination of written notes, graphics symbols and photographs. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner. The 4H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. Score Sheet SF111

G777407* **Community Landscape Poster** - Identify a local community space (park, nursing home, school, county fairgrounds, etc.) that needs some landscape improvements. Work through the design process and develop a detailed plan of your improvements to the space. The plan should include design principles, functional and aesthetic factors, list of plants and materials and their costs, budget for materials, labor you have available for the project, and a timeline. Take photographs of the area and draw over the photos to illustrate your final ideas. Include photographs of the finished landscape if project ideas were carried out. Display on a poster mat board no larger than 22" x 28". Entry card must be stapled to the upper right hand corner. The 4H member's name, age, full address, county, and years in the project(s) must be on the back of the poster. Score Sheet SF111

G777408* **Renovate The Outdoors Portfolio** - Select a space that you would like to redesign. The space can be at your home, a family member's or friend's house, or somewhere in your community. Develop a scaled base map of the site and locate the existing plants and structures in the landscape. Take photographs of the landscape. Evaluate the physical properties of the site and conduct an interview with the people who live there or use the space. Think about how you would change the space and develop a plan that would implement design elements into the space. Create different drawings that will move you through the design process. You will draw concept diagrams, form compositions, preliminary drawings, and the final design. Once the final design drawing is complete, use overlays on the original photographs to show how the landscape will look compared

to how it looked in the photo you originally took of the landscape. Place photographs, interview notes, concept and program statements and drawings in a portfolio. The 4H member's name, age, full address, county, and years in the project(s) must be on the back of the portfolio. Score Sheet SF111

* State Fair Project