

## DEPT G - HORTICULTURE

Judge: Kent Bearnes

Purple award \$3.00; blue award \$2.50; red award \$2.00; white award \$1.00.

**Exhibitors are required to keep their plants and cut flowers watered and wilted plants replaced.**

### DIVISION 770 – FLORICULTURE

THE VALID CULTIVAR or VARIETY NAME MUST BE INCLUDED ON ALL ENTRY CARDS. Proper identification is the responsibility of the exhibitor, not the Extension staff or office personnel. Failure to include variety name will drop entry one ribbon placing. Follow the guidelines in the 4-H Preparing Cut Flowers for Exhibits (4H 227) when preparing entries for the fair.

County Fair exhibitors who are selected to advance to State Fair are eligible to bring different vegetables and/or flowers to State Fair. They may enter as many classes as are allowed in the State Fair premium list.

An exhibitor may enter a maximum of 5 exhibits in classes 770-1-46 (cut flowers) thru 770-50-53 (educational exhibits) inclusive, one entry per class per person. Exhibits entered under an incorrect class number or containing an incorrect number of stems will be dropped one ribbon placing. In classes 23, 45, and 46, do not duplicate entries within the class listed by using other cultivars or varieties, or entry will be dropped a ribbon placing. 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 & overwinters as a crown, blooms the following year and dies. Foliage will be considered when exhibit is judged. Use plan jars or bottles for cut flower entries.

Follow the guidelines in 4-H Preparing Cut Flowers for Exhibits 4H227 (revised in 2016). There is a free download available – <http://unl.box.com/s/2f3a785c67p7qhqasevp6gu6adf3ugon>

#### Growing Great Houseplants:

An exhibitor may enter a maximum of 4 exhibits in classes 770-50 thru 65.

**Cut Flower Annuals & Biennials:** 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis.

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 and of adequate size to display blooms.

G-770- Annuals and biennials – 5 stems of a single variety (cultivar) unless otherwise noted in parenthesis. 1) Aster, 2) Bachelor Buttons, 3) Bells of Ireland, 4) Browallia, 5) Calendula, 6) Celosia (crested or plume) (3 stems), 7) Cosmos, 8) Dahlia, 9) Dianthus, 10) Foxglove, 11) Gladiolus (3 stems), 12) Gomphrena, 13) Hollyhock (3 stems), 14) Marigold, 15) Pansy, 16) Petunia, 17) Salvia, 18) Snapdragon, 19) Statice, 20) Sunflower (under 3" diameter – 5 stems, 3" or more in diameter – 3 stems), 21) Vinca, 22) Zinnia, 23) 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).

G-770- Cut Flower Perennials – 5 stems from a single variety (cultivar) unless otherwise noted in parenthesis. 30) Achillea/Yarrow, 31) Chrysanthemum, 32) Coneflower, 33) Coreopsis, 34) Daisy, 35) Gaillardia, 36) Helianthus, 37) Hydrangea (3 stem), 38) Liatris (3 stem), 39) Lilies (3 stems)

(not daylilies), 40) Platycodon, 41) Rose (3 stems), 42) Rudbeckia/Black-eyed Susan, 43) Sedum, 44) Statice, 45) Any other perennial (under 3" diameter – 5 stems, 3" or more in diameter – 3 stems) (do not duplicate entries in classes 30-44) 46) 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 State Fair. Do not duplicate entries in classes 1-45 with any in the group collection.

### **Educational Exhibits**

- G-770-050 Flower Notebook – Exhibit a notebook containing pictures of flowers. There must be at least 10 different species of annual and/or biennials and 10 different species of perennials. The notebook must be the result of the current year's work. 4-h'ers may show more than one cultivar of the same species, but they will only count as one species. Pictures from garden catalogs, hand drawn pictures, or photographs may be used. Each 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. Bulbs may be included in a separate section. In addition to the above information, bulbs should also be labeled as spring or summer flowering. The 4-H member's name, age, full address, county, and years in the project(s) must be on the back of the notebook.
- G-770-051 Flower Garden Promotion Poster – Individual poster promoting flower gardening, size 14"x22" 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.
- G-770-052 Education Flower Garden Poster – prepare a poster 14"x22"x2" (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 project(s) must be on the back of the poster.
- G-770-053 Flower Gardening History Interview – neatly handwritten or typed account of a gardening history interview whose flower garden has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their flower garden if the individual is still gardening. Protect with a clear report cover. The 4-H member's name, age, full address, county and years in the project(s) must be on the back of the report cover. Score Sheet SF105.

### **Houseplants**

Youth must be enrolled in the Growing Great Houseplants projects to exhibit in classes 60-66. Youth may enter a maximum of 3 entries in classes 50-66, but each entry must have received a purple ribbon at the county Fair to advance to the State Fair.

## Container Grown Houseplants

The choice of container and soil quality will be considered in judging. Each houseplant must be identified by listing the names on the entry tag or on a card attached to the container. Identify each plant individually if more than one cultivar or variety. Houseplants should be grown in display container for a minimum of six weeks. Plants grown as houseplants must be used. NebGuide G 2205 (Guide to Growing Houseplants) and NebGuide G837 (Guide to Selecting Houseplants) include 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 60-66 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 houseplant in classes 60-66 that is greater than 12" in diameter (inside opening measurement) will be dropped one ribbon placing. Classes 60-65 must have and provide a saucer to catch drainage water. The 4-H member's name, age, full address, county, and years in the project(s) must be on the bottom or back of the container and saucer.

- G-770-060 Flowering potted houseplant(s) that are blooming for exhibition. Container may have one or more houseplants in container. Label name for each plant. (Non-blooming plants will be disqualified).
- G-770-061 Foliage potted houseplant(s) – one variety of tropical or cacti or succulent plant
- G-770-062 Hanging baskets of flowering and/or foliage houseplants. Container may have one or more houseplants in container. Label name for each plant.
- G-770-063 Dish Garden – An open container featuring a variety of houseplants excluding cacti and succulents. Label name for each plant.
- G-770-064 Fairy or Miniature Garden – A miniature "scene" contained in an open container and featuring miniature or small, slow growing houseplants. The garden needs to have an imaginative theme and miniature accessories, i.e., bench, fence made from tiny twigs, small shell for a bathtub, etc. Label name for each plant.
- G-770-065 Desert Garden – An open or shallow container featuring a variety of cacti and/or succulents grown as houseplants. Label name for each plant.
- G-770-066 Terrariums – A transparent container, partially or completely enclosed; sealed or unsealed. Label name for each plant.
- \*G-770-901 Any other container grown houseplant (under 3" diameter). (Ex: succulent). Do not duplicate entries in classes 60-66. Not a State Fair eligible class.

## DIVISION 773 – VEGETABLES, HERBS, and FRUITS & EDUCATIONAL EXHIBITS

THE VALID CULTIVATOR OR VARIETY NAME MUST BE INCLUDED ON ALL ENTRY CARDS. Failure to include variety name will drop entry one ribbon placing. Proper identification is the responsibility of the exhibitor, not the Extension staff or fair volunteers. 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 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 SF 108.

Follow the guidelines in Selecting and Preparing Vegetables, Herbs and Fruits for Exhibit 4H226 (revised June of 2013). There is a free download available at: <http://4h.unl.edu/4hcurriculum/preparingvegetabesherbsandfruit>) when preparing entries for the fair.

County Fair exhibitors who are selected to advance to State Fair are eligible to bring different vegetables and/or flowers to State Fair. They may enter as many classes as are allowed in the State Fair premium list.

An exhibitor may enter a maximum of 5 different classes, one entry per person per class. Vegetables in the collection of 5 cannot be the same type as those entered in the single exhibits. Vegetables, herbs, and fruits should be exhibited and will be judged according to the current 4-H exhibiting guide, 4H 226 (Selecting & Preparing Vegetables, Herbs and Fruits for Exhibit) (revised 2013). Plates will be provided for the exhibitor.

**\*Indicates County Fair exhibit only. Exhibitors should try where possible to fit their exhibit into an area with a State Fair entry.**

Class	Vegetable	No. to Exhibit
G-773-201	Lima Beans	12
G-773-202	Snap Beans	12
G-773-203	Wax Beans	12
G-773-204	Beets	5
G-773-205	Broccoli	2
G-773-206	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	Eggplants	2
G-773-214	Kohlrabi	5
G-773-215	Muskmelon / Cantaloupe	2
G-773-216	Okra	5
G-773-217	Yellow Onions	5
G-773-218	Red Onions	5
G-773-219	White Onions	5
G-773-220	Parsnips	5
G-773-221	Bell Peppers	5
G-773-222	Sweet (non-Bell) Peppers	5
G-773-223	Jalapeno Peppers	5
G-773-224	Hot (non-Jalapeno) Peppers	5
G-773-225	White Potatoes	5
G-773-226	Red Potatoes	5
G-773-227	Russet Potatoes	5

G-773-228	Other Potatoes	5
G-773-229	Pumpkin	2
G-773-230	Miniature Pumpkins (Jack Be Little Type)	5
G-773-231	Radish	5
G-773-232	Rhubarb	5
G-773-233	Rutabaga	2
G-773-234	Green Summer Squash	2
G-773-235	Yellow Summer Squash	2
G-773-236	White Summer Squash	2
G-773-237	Acorn Squash	2
G-773-238	Butternut Squash	2
G-773-239	Buttercup Squash	2
G-773-240	Other Winter Squash	2
G-773-241	Sweet Corn (in husks)	5
G-773-242	Swiss Chard	5
G-773-243	Red Tomatoes (2" 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 types	5
G-773-251	Gourds, single variety	5
G-773-252	Any other vegetable that doesn't fit in Any other class (do not duplicate entries In classes 201-251)	2, 5 or 12
G-773-255	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 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 (201-251). Do not duplicate entries in classes 201-251 with any in the group collection.	
G-773-256	4-H Cultivar Vegetable Collection. Vegetables entered in the collection are 5 cultivars from a single exhibit. For example: 5 cultivars of all types of peppers or squash or onions or tomatoes, etc. Display in a box not more than 24" 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 (201-252).	

### Herbs

Herbs will be judged using the same general criteria used for vegetables. Those grown mainly for their seed, such as dill and caraway, should be exhibited on a plate. Those grown for their leaves such as basil, parsley, etc. should be exhibited in glass container of water. Potted herb plants will be disqualified and will not be judged.

G-773-260	Basil	5
G-773-261	Dill (dry)	5

G-773-262	Garlic (bulbs)	5
G-773-263	Mint	5
G-773-264	Oregano	5
G-773-265	Parsley	5
G-773-266	Sage	5
G-773-267	Thyme	5
G-773-268	Any other herb (do not duplicate entries in classes 260-267)	2
G-773-269	4-H Herb Garden – Display of 5 different herbs. Displayed in a box or other holder not more than 18” in any dimension. Boxes will not be returned. Each herb in collection should be exhibited with the number specified for classes G-773-260 thru G-773-268. Do not duplicate entries in classes G-773-260 thru G-773-268 with any in the group collection.	

### Fruits

Fruit will be judged using the same general criteria used for vegetables. Fruit will be judged for the stage of maturity normal for that season. Emphasis will be placed on how well fruit approaches market quality.

G-773-280	Strawberries (everbearers)	1 pints
G-773-281	Grapes	2 bunches
G-773-282	Apples	5
G-773-283	Pears	5
G-773-284	Wild Plums	1 pint
G-773-285	Other small fruit or berries Do not duplicate entries in Classes 280-284	1 pint
G-773-286	Other fruits OR nuts Do not duplicate entries in Classes 280-284	5

### Educational Exhibits

- G-773-290 Garden Promotion Poster – Individual poster promoting vegetable or herb gardening, size 14”x22” either vertical or horizontal arrangement. Poster may be in any medium so long as they are 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 project(s) must be on the back of the poster.
- G-773-291 Educational Vegetable or Herb Garden Poster – Prepare a poster 14”x22”x2” (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-Hers has done or learned about in a 4-H vegetable garden project. You might show a special technique you use or equipment you have incorporated in your garden. One might show a special technique used or equipment incorporated in the garden (i.e., 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.

- G-773-292 Vegetable and/or Herb Gardening History Interview – Neatly handwritten or typed account of a gardening history interview of someone whose **vegetable or herb garden** has inspired you. Maximum of 4 pages of text and 2 pages of pictures (include 1 picture of the person you interviewed) of their garden if the individual is till gardening. Protect with a clear report cover. The 4-H member's name, age, full address, county, and years in project(s) must be on the back of the report cover.
- G-773-293 Vegetable Seed Display – Each display must include seeds representing the following families: Cucurbit, Brassica (cabbage), Solanaceous (nightshade), and Legume (pea) families plus representatives from 5 other families. Group the seeds by family and type. Glue seeds or otherwise fasten clear containers of seeds to a board or poster mat no larger than 22"x24". Label each group and each individual vegetable type with the common and scientific names. Use only one variety or cultivar of each vegetable, except for beans where several examples of beans may be shown. Attach a card to the back of the display explaining why and how it is important to know which vegetables are related and cite references on where the scientific name information was found. The 4-H member's name, age, full address, county, and years in the project(s) 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 (i.e., 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. Favorite recipes using some or all of the vegetables described may be included. Protect in a clear report cover or small 3-ring notebook. The 4-H member's name, age, full address, county, and years in project(s) must be on the back cover of the report.

#### **Division 775**

**Special Garden Project** – youth must be enrolled in the current year's Garden Project to exhibit. Fresh cut flowers or harvested vegetables should be entered in the appropriate class listed above.

- G-775-001 Special Garden Project – 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 member's name, age, full address, and county must be on the back of the poster or report cover. Score Sheet SF 109.
- G-775-002 Special Garden Project Fresh Cut Flowers or Harvested Vegetables – The current year's 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. Refer to classes 201-252 for quantity to exhibit if special garden project is a vegetable.

#### **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.

- G-777-401 Grow a Beautiful Space Unit 1 Portfolio Notebook – Create and complete 'Landscape Professionals & Design Principles' Unit 1 Portfolio, 4H 6110P. Present portfolio information in a 3-ring binder. Give proper credit by listing the sources of photographs/images 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.

- G-777-402      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”x28”. 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.
- G-777-403      Grow a Beautiful Space Unit 2 Portfolio Notebook – Create and complete ‘Landscape Plants & Materials’ Unit 2 Portfolio, 4-H 6120P. Present portfolio information in a 3-ring binder. Give proper credit by listing the sources of photographs/images 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.
- G-777-404      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 opaqueness 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 improve image(s) and include a short explanation of how the landscape design was improved. Display on a poster mat board no larger than 22”x28”. 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.
- G-777-405      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”x28”. 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.
- G-777-406      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”x28”.  
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.



- G-777-407 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”x28”. 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.
- G-777-408 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 4-H member’s name, age, full address, county, and years in the project(s) must be on the back of the portfolio.