DEPARTMENT G - **HORTICULTURE**

The purpose of Horticulture is to encourage 4-H'ers 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.

Entries **MUST** be the work of the 4-H'er.

FLORICULTURE – DIVISION 770

4-H'ers **MUST** be enrolled in the World of Flowers and/or Annual Flowers projects to exhibit in classes 1-46 (cut flowers) and 50-53 (educational exhibits).

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

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

The cultivar or variety name MUST be included on a card attached to the exhibit. Failure to identify the cultivar or variety will drop entry one ribbon placing. Proper identification is the responsibility of the exhibitor, **NOT** the Extension staff or office personnel.

Exhibits entered in an incorrect class 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 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 clear **GLASS** containers that won't tip over and are of adequate size to display blooms. Any exhibit not in a clear glass container will be dropped a ribbon placing.

Limited to one exhibit per class but may enter unlimited classes. Follow the guidelines in **4-H Preparing Cut Flowers for Exhibits 4H227** (revised 2016) (Free Download at https://unl.box.com/s/2f3a785c67p7qhqasevp6gu6adf3ugon) when preparing entries for fair.

DIVISION 770

***Cut Flowers - Annuals and Biennials** - 5 stems from a single variety (cultivar) unless otherwise noted in parenthesis.

Class

*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)

***Cut Flower – Perennials** - 5 stems from a single variety (cultivar) unless otherwise noted in parenthesis

Class

*30. **Achillea/Yarrow**
*31. **Chrysanthemum**
*32. **Coneflower**
*33. **Coreopsis**
*34. **Daisy**
*35. **Gaillardia**
*36. **Helianthaus**
*37. **Hydrangea** (3 stems)
*38. **Liatris** (3 stems)
*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. Do **NOT** duplicate entries in Classes 1-45 with any in the group collection.

Educational Exhibits

*50. **Flower Notebook** - Exhibit a notebook containing pictures of flowers grown in Nebraska. There **MUST** be at least 10 different species of annuals and/or biennials and 10 different species of perennials hardy to Nebraska. Bulbs may be included in a separate section. 4-H'ers may show more than one cultivar of the same species, but they will only count as one species. The notebook **MUST** be the result of the current year's work. Pictures from garden catalogs, hand drawn pictures, or photographs may be used. Each species/cultivar **MUST** be labeled with the correct common name and scientific name; the height and spread of the plant and the growing conditions (for example: needs full sun and dry sandy soil) the species prefers. In addition to this information, bulbs should be labeled as spring or summer flowering. Give proper credit by listing the sources of pictures and information used. The 4-H'er's name, age, full address, county, and years in the project(s) **MUST** be on the back of the notebook.

*51. **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. The
4-H'er's name, age, full address, county, and years in the project(s) **MUST** be on the back of the poster.

*52. **Educational 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. The 4-H'er's name, age, full address, county and years in the project(s) **MUST** be on the back of the poster.

*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'er's name, age, full address, county, and years in the project(s) **MUST** be on the back of the report cover.

901. **Fresh Floral and/or Plant Arrangement**

HOUSEPLANTS – DIVISION 770

4-H'er **MUST** be enrolled in the **Growing Great Houseplants** project 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 (6) weeks. Plants grown as houseplants **MUST** be used. **NebGuide G2205 "Guide to Growing Houseplants"** (http://extensionpubs.unl.edu/publication/9000016368872/guide-to-growing-houseplants) and **NebGuide G837 "Guide to Selecting Houseplants"** (http://extensionpubs.unl.edu/publication/9000016361731/guide-to-selecting-houseplants) include a list 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'er.

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.

Classes 60-65 4-H'ers **MUST** have and provide a saucer to catch drainage water. The 4-H'ers name, age, full address, county, and years in the project(s) **MUST** be on the bottom or back of the container and saucer.

Class

*60. **Flowering Potted Houseplant(s)** - that are blooming for exhibition. Non-blooming plants **WILL** be disqualified.
*61. **Foliage Potted Houseplant(s)** of all the same variety.
*62. **Hanging Basket of Flowering and/or Foliage Houseplants**
*63. **Dish Garden** - an open/shallow container featuring a variety of houseplants excluding cacti and succulents.
*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 bathtub, etc.
*65. **Desert Garden -** an open/shallow container featuring cacti and/or succulents grown as houseplants.
*66. **Terrarium -** transparent container, partially or completely enclosed; sealed or unsealed.

VEGETABLES, HERBS & FRUITS & EDUCATIONAL EXHIBITS - DIVISION 773

4-H'ers **MUST** be enrolled in the Everyone is a Gardener project and/or Gardening Unit 1 – Unit 4 projects to exhibit in classes 201-286 (vegetables, herbs, and fruits) and 290-294 (educational exhibits). Entries must be the work of the 4-H'er.

The cultivar or variety name MUST be included on all entry cards. Failure to identify the cultivar or variety will drop entry one ribbon placing. Proper identification is the responsibility of the exhibitor **NOT** the Extension staff or office personnel. Exhibits entered in an incorrect class or containing an incorrect number of vegetables **WILL** be dropped one ribbon placing. In Classes 252, 255, 268, 269, 285 & 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. Follow the guidelines in **Selecting and Preparing Vegetables, Herbs, and Fruits For Exhibit 4H226** (revised June 2013) when preparing entries for the fair.

Class	Vegetable	#'s to Exhibit	Class	Vegetable	#'s to Exhibit
*201.	**Lima Beans**	12	*232.	**Rhubarb**	5
*202.	**Snap Beans**	12	*233.	**Rutabaga**	2
*203.	**Wax Beans**	12	*234.	**Green Summer Squash**	2
*204.	**Beets**	5	*235.	**Yellow Summer Squash**	2

*205.	**Broccoli**	2
*206.	**Brussels Sprouts**	12
*207.	**Green Cabbage**	2
*208.	**Red Cabbage**	2
*209.	**Carrots**	5
*210.	**Cauliflower**	2
*211.	**Slicing Cucumbers**	2
*212.	**Pickling Cucumbers**	5
*213.	**Eggplant**	2
*214.	**Kohlrabi**	5
*215.	**Muskmelon/Cantaloupe**	2
*216.	**Okra**	5
*217.	**Yellow Onions**	5
*218.	**Red Onions**	5
*219.	**White Onions**	5
*220.	**Parsnips**	5
*221.	**Bell Peppers**	5
*222.	**Sweet (Non-Bell) Peppers**	5
*223.	**Jalapeño Peppers**	5
*224.	**Hot (Non-Jalapeño) Peppers**	5
*225.	**White Potatoes**	5
*226.	**Red Potatoes**	5
*227.	**Russet Potatoes**	5
*228.	**Other Potatoes**	5
*229.	**Pumpkin**	2
*230.	**Miniature Pumpkins (Jack Be Little type)**	5
*231.	**Radish**	5
*236.	**White Summer Squash**	2
*237.	**Acorn Squash**	2
*238.	**Butternut Squash**	2
*239.	**Buttercup Squash**	2
*240.	**Other Winter Squash**	2
*241.	**Sweet Corn (in husks)**	5
*242.	**Swiss Chard**	5
*243.	**Red Tomatoes** (2" or more in diameter)	5
*244.	**Roma or Sauce type Tomatoes**	5
*245.	**Salad Tomatoes** (under 2" diameter)	12
*246.	**Yellow Tomatoes** (2" or more in diameter)	5
*247.	**Turnips**	5
*248.	**Watermelon**	2
*249.	**Dry Edible Beans**	1 pint
*250.	**Gourds, mixed types**	5
*251.	**Gourds, single variety**	5

*252. **Any Other Vegetable** 2, 5 or 12 (do **NOT** duplicate entries in Classes 201-251) that doesn't fit in any other class

*255. **4-H Vegetable Garden Collection** of five kinds of vegetables. Display Garden Collection in a box **NOT** more than 24" in any dimension. Showmanship will be considered in judging, but plastic grass, cotton, figurines, etc. should **NOT** be used in exhibit boxes. Each vegetable in the collection should be exhibited with the number specified for individual Class (201-252). Do **NOT** duplicate entries in Classes 201-252 with any in the group collection.

*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. 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 - DIVISION 773

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. Score Sheet SF108.

Class	Herbs	#'s to Exhibit
*260.	**Basil**	5
*261.	**Dill (dry)**	5
*262.	**Garlic (bulbs)**	5
*263.	**Mint**	5
*264.	**Oregano**	5
*265.	**Parsley**	5
*266.	**Sage**	5
*267.	**Thyme**	5
*268.	**Any Other Herb**	5 (do **NOT** duplicate entries in Classes 260-267)

*269. **4-H Herb Garden Display** of 5 different herbs. Displayed in a box or other holder **NOT** more than 18" in any dimension. Each herb in the collection should be exhibited with the number specified for Classes 260-268. Do **NOT** duplicate entries in Classes 260-268 with any in the group collection.

FRUITS – DIVISION 773

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.

Class	Fruits	#'s to Exhibit
*280.	**Strawberries (everbearers)**	1 pint
*281.	**Grapes**	2 bunches
*282.	**Apples**	5
*283.	**Pears**	5
*284.	**Wild Plums**	1 pint
*285.	**Other Small Fruit Or Berries**	1 pint (do **NOT** duplicate entries in Classes 280-284)
*286.	**Other Fruits Or Nuts**	5 (do **NOT** duplicate entries in Classes 280-284)

EDUCATIONAL EXHIBITS

*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 so long as it is **NOT** 3-dimensional. Posters using copyrighted material will **NOT** be accepted. The 4-Her's name, age, full address, county, and years in the project(s) **MUST** be on the back of the poster.

*291. **Educational Vegetable or Herb Garden Poster** - Prepare a poster 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal arrangement illustrating a skill or project the 4-H'er has done or learned about in a 4-H vegetable gardening project. One might show a special technique used or equipment incorporated in the garden (e.g., drip irrigation system, composting, or special techniques learned). Refer to 4-H horticulture project manuals; but use your own creativity. The 4-Her's name, age, full address, county, and years in the project(s) **MUST** be on the back of the poster.

*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 still gardening. Protect with a clear report cover. The 4-Her's name, age, full address, county, and years in the project(s) **MUST** be on the back of the report cover.

*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 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 cite references on where the scientific name information was found. The 4-Her'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.

*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 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-Her's name, age, full address, county, and years in the project(s) **MUST** be on the back of the report cover or notebook.

SPECIAL GARDEN PROJECT - DIVISION 775

4-H'er **MUST** be enrolled in the current year's Special Garden Project to exhibit.

Class

*1. **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 4-H'ers name, age, full address, and county **MUST** be on the back of the poster or report cover.

*2. **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 1-45 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.