

DEPARTMENT G - PLANT SCIENCE

HORTICULTURE

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0 .50

FLORICULTURE

GENERAL INFORMATION

- A. 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 office personnel. Horticulture does not need to be listed out on the fair entry sheets. Entry tags available at: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/> **One entry per class number per exhibitor.** Exhibits entered under an incorrect class number or containing an incorrect number of flowers will be lowered one ribbon placing. In classes 23, 44 & 45 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 classes 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. Use plain jars or bottles for cut flower entries. At State Fair containers will not be returned.
- B. **CUT FLOWERS:** 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. NO SCREW ON LIDS OR SCREW ON RINGS AND FLATS MAY BE USED. To hold flowers in place it is suggested to use tin foil or a type of plastic wrap with holes poked into it or frog lids. Containers may not be returned from State Fair.
- C. **FLORICULTURE, EDUCATIONAL EXHIBITS & HOUSEPLANTS:** Can exhibit up to 10 total classes, however, can only show a maximum of 4 classes for State Fair. Scoresheets, forms, contest study materials, and additional resources can be found at <https://go.unl.edu/ne4hhorticulture>. **ANNUALS & BIENNIALS** - FIVE stems of a single variety (cultivar) unless otherwise noted in parenthesis.

CLASSES

- 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)**

PERENNIALS - FIVE stems of a single variety (cultivar) unless otherwise noted in parentheses.

CLASSES

- G770030 Achillea/Yarrow**
- G770031 Chrysanthemum**
- G770032 Coneflower**
- G770033 Coreopsis**
- G770034 Daisy**
- G770035 Gaillardia**
- G770036 Helianthus**
- G770037 Hydrangea (3 Stems)**
- G770038 Liatris (3 stems)**
- G770039 Lilies (3 stems, not Daylilies)**
- 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 30-43)
- G770046** **4-H Flower Garden Collection of 5 different cut flowers.** Flowers are to be cut, not potted. Each flower in the collection should be exhibited with the number 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.

CLASSES - EDUCATIONAL EXHIBITS

- G770050** **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. The notebook must be the result of the current year's work. You 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 species/cultivar must be labeled with the correct common name and scientific name; the height and spread of the plant and the growing conditions (example needs full sun and dry sandy soil) the species prefers. Bulbs may be included in a separate section. 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'er's name, age, county, and years in the project(s) must be on the back of the notebook.
- G770051** **Flower Garden Promotion Poster** - individual poster promoting vegetable and/or flower gardening, size 14" x 22" either vertical or horizontal arrangement. Poster may be in any medium: watercolor, ink, crayons, 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, and county must be on the back of the poster.
- G770052** **Educational Flower Garden Poster** - prepare a poster no larger than 24" x 24" x 2" (3-dimensional if needed) either vertical or horizontal illustrating a skill or project you have done or learned about in a 4-H flowers or houseplant project. You might show a special technique you use or equipment you have incorporated in your 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, years in the flower project(s) and county must be on the back of the poster.
- G770053** **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, and county must be on the back of the report cover.

HOUSEPLANTS:

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 the display container for a minimum of six weeks. Plants grown as houseplants must be used. Neb Guide G1853 (<http://extensionpublications.unl.edu/assets/pdf/g1853.pdf>) includes a listing of

common houseplants found in Nebraska. NebGuide G2205G1853 "Guide to Growing Houseplants" (<http://extensionpublications.unl.edu/assets/html/g2205/build/g2205.htm>) and NebGuide G837 "Guide to Selecting Houseplants" (<http://extensionpublications.unl.edu/assets/html/g837/build/g837.htm>) 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.**

- A. Entries in Classes 60-66 must have been designed and planted by the 4-H member.
- B. Any container plant, (flowering or foliage potted houseplants, dish gardens, fairy or miniature gardens, desert gardens, or terrariums) shall be in containers no larger than 12 inches (use inside opening measurement) in any dimension of length or width. No combination of pots may be used. All potted plants are to be in a one pot container. Any container grown plant in Classes 60-66 that does not follow these guidelines will be dropped one ribbon placing.
- C. Classes 60-65 exhibitors must have and provide a saucer to catch drainage water. The 4-H members name, age, county, and years in the project(s) must be on the bottom or back of the container and saucer.

CLASSES

- G770060 Flowering potted houseplant(s)** that are blooming for exhibition. Container may have one or more houseplants in container. Label with name for each plant. Non-blooming plants will be disqualified.
- G770061 Foliage potted houseplant-** one variety of tropical or cacti or succulent plant.
- G770062 Hanging basket** of flowering and/or foliage houseplants. Container may have one or more houseplants in container. Label with name for each plant.
- G770063 Dish garden** - an open/shallow container featuring a variety of houseplants excluding cacti and succulents. Label with name for each plant.
- G770064 Fairy or Miniature Garden** consist of 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 with name for each plant.
- G770065 Desert garden** - an open/shallow container featuring cacti and/or succulents grown as houseplants. Label with name for each plant.
- G770066 Terrarium** - a transparent container, partially or completely enclosed; sealed or unsealed. Label with name for each plant.

VEGETABLES, HERBS & FRUITS

AWARDS	Purple	Blue	Red	White
	\$2.00	\$1.50	\$1.00	\$0.50

GENERAL INFORMATION

Youth enrolled in Everyone a Gardener, See Them Sprout, Let's Get Growing, Take Your Pick, or Growing Profits Projects can exhibit **up to 10 classes** but can only show in a maximum of 4 different classes for State Fair. One entry per person per class number.

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 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.

Entry Tags can be found at our website: <https://extension.unl.edu/statewide/centralsandhills/4-h/csa-fair-book/>

CLASSES – VEGETABLE, # TO EXHIBIT

- 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 Jalapeno Peppers, 5
G773224 Hot (Non-Jalapeno) Peppers, 5
G773225 White Potatoes, 5
G773226 Red Potatoes, 5
G773227 Russet Potatoes, 5
G773228 Other Potatoes, 5
G773229 Pumpkins, 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 that doesn't fit in any other class (2, 5 or 12)** G773255 4-H Vegetable Garden Collection of five kinds of vegetables. Displayed in a box not more than 24" in any dimension. At State Fair, boxes may not be returned. 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 Classes 201-251. Do not duplicate entries in Classes 201-251 with any in the group collection.

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 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 (201-252). Do not duplicate entries in classes 201-252 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 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).

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 a container of water. Containers will not be returned at State Fair. Potted herb plants will be disqualified and will not be judged.

CLASSES – HERB, # TO EXHIBIT

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 260-267)**

G773269 **4-H Herb Garden** - display of 5 different cut herbs. Herbs are to be cut, not potted. Displayed in a box or other holder not more than 18" in any dimension. Boxes may not be returned from 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: 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.

CLASSES HERB, # TO EXHIBIT

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

G773286 Other fruits or nuts, 5

CLASSES - EDUCATIONAL EXHIBITS

G773290 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 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, and county must be on the back of the poster.

G773291 Educational Vegetable or Herb Garden Poster - prepare a poster no larger than 14" x 22" x 2" (3-dimensional if needed) either vertical or horizontal illustrating a skill or project you have done or learned about in a 4-H vegetable gardening project. You might show a special technique you use or equipment you have incorporated in your 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, and county must be on the back of the poster.

G773292 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-H member's name, age, and county must be on the back of the report.

G773293 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 board no larger than 22" x 24". Label each group and each individual vegetable type with the 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 reference on where the scientific name information was found. On the back, label with the 4-H'ers name, age, years in the garden project, and county. Information on vegetable family members can be obtained from the Extension office.

G773294 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 talking 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 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 small 3-ring notebook. The 4-H member's name, age, years in the garden project, and county must be on the back cover of the report.

CLASSES - SPECIAL GARDEN PROJECT

The 2025 Special Gardening Project changes annually. More information may be found at:

<https://4h.unl.edu/statewide-events-opportunities/special-garden-project/>

- G775001 Special Garden Project Educational Exhibit** – Educational exhibit based on what was learned from the project. Present information on a poster 14" X 22" either vertical or horizontal arrangement or in a clear plastic report cover. The 4-H member's name, age, and county must be on the back of the poster or report cover.
- G775002 Special Garden Project fresh Cut Flowers, Herbs or Harvested Vegetables** - The current years' Special Garden Project 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. Flowers and herbs must be cut not potted.

AGRONOMY (Crops and Range)

AWARDS	Purple	Blue	Red	White
	\$3.00	\$2.50	\$2.00	\$1.50

The purpose of these exhibits is to demonstrate to the public the benefits from the study and application of crop, range and soil sciences to solving problems in management, conservation, sustainability and environmental protection. For guidelines on specific projects, refer to appropriate project manuals. Scoresheets, forms, contest study materials and additional resources can be found at <https://go.unl.edu/ne4hagronomy>.

An explanation of projects and curriculum resources can be found at <https://4h.unl.edu/resources/projects/>.

CROP PRODUCTION - GENERAL INFORMATION

- A. Individuals in the Crop Production, Field Crop Projects (4-H 46) may exhibit grain or plants or prepare an educational display representing their project. The essay counts as 50% of the total when judged. Essay must be the original work of the individual exhibitor. Attach the essay to the entry in a clear plastic cover such that it can be read without removing it from the cover. In addition to the essay, 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.
- B. **IMPORTANT:** A two-page (maximum) essay must accompany grain and plant exhibits. The essay must include the exhibitors name and, 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 essay 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.

- C. 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.
- D. Plant exhibits, except for ears of corn, must be the result of the current year's project.
 - 1. Corn 10 ears or 3 stalks (cut at ground level with no roots or soil and bound together)
 - 2. Grain Sorghum - 4 stalks (cut at ground level and bound together)
 - 3. Soybeans - 6 stalks (cut at ground level and bound together)
 - 4. Small grains (oats, barley, wheat, triticale) - sheaf of heads 2 inches in diameter at top tie with stems about 24" long.
 - 5. 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.

CLASSES

G750001 Corn (includes yellow, white, pop, waxy, or any other type)

G750002 Soybeans

G750003 Oats

G750004 Wheat

G750005 Any other crop (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc.)

CROP PRODUCTION DISPLAYS

- A. 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 24" wide by 24" tall on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, and county on back side. Explain pictures and graphs clearly and concisely. Consider creativity and neatness.
- B. 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.

CLASSES

G750006 Crop Production Display - 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, pest management.

G750007 Crop Technology Display - Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc.

G750008 Crop End Use Display - Display information about the final product or end uses for a crop, such as food, feed, fuel, or other products. (i.e., corn can be processed into livestock feed, ethanol, plastics, etc. or soybeans can be processed into biodiesel, pet bedding, crayons, oil, etc.)

- G750009 Water or Soil Display** – Display information about water or soils, such as how soils are being used for crop production, range, conservation, wildlife, or wetland use, or ways to protect or conserve water and soil resources,
- G750010 Career Interview Display** – The purpose of this class is to allow youth to investigate a Career in agronomy. Youth should interview 1 person that works with crops about such topics as, what parts of their job do they enjoy or dislike, why did they choose that career, what was their education, etc. Include a picture of the person interviewed.
- G750011 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, 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.
- G750012 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 .viai. Email a link of the video to the superintendents to anygren2@unl.edu or brandy.vandewalle@unl.edu by August 10th.
- G750013 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.
 - The crop of the year for 2025 is Sunflowers.

WEED SCIENCE - GENERAL RULES

- A. Any 4-H'er in the *Conservation, Environment 1,2, or 3; Range, Reading the Range 1; Using Nebraska Range 2; or Crop Production, Field Crops* projects may exhibit a weed book or weed display. The book cover and 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).
- B. Exhibits will be judged based on completeness of plant mount, accuracy of identification, label, neatness and conformity to exhibit requirements.
- C. Display one plant on the book cover (no label required on cover specimen). 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. Each completed mount must have the following information (see example below) in the lower right corner of the mounting sheet:
 1. Scientific name (in italic or underlined), with authority
 2. Common name
 3. County of collection
 4. Collection date
 5. Collector's name
 6. Personal collection number, indicating the order that plants were collected, in your personal collection.
 7. Other information depending on class selected, i.e., noxious, life form. This information should be typed or printed very neatly.

CLASSES

- G751001 Weed Identification Book** – A collection of a minimum of 15 plant mounts and including at least two of the following prohibited noxious weeds (Canada thistle, leafy spurge, musk thistle, plume less thistle, salt cedar, purple loosestrife, diffuse knapweed, spotted knapweed Japanese knotweed, giant knotweed, sericea lespedeza, bohemian knotweed or phragmites), and at least five weeds that are a problem primarily in lawns.
- G751002 Life Span Book** - A collection of 7 perennial, 1 biennial and 7 annual weeds.
- G751003 Weeds Display** - The purpose of this class is to allow original and creative exhibits that contain educational information about weeds, such as the effects of weed control, herbicide-resistant weeds, what makes a weed a weed, or uses for weeds. 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 24" by 24" on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor's name, and county on back side. Explain pictures and graphs clearly and concisely. 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.