

4-H PLANT SCIENCE



GARDEN EXHIBITS

- 423101—Plate of 5 standard tomatoes
- 423102—Plate of 5 cherry tomatoes
- 423103—Plate of 5 onions, any variety
- 423104—Plate of 12 green or yellow wax beans, any variety
- 423105—Plate of 5 cucumbers, any variety
- 423106—Plate of 5 table beets
- 423107—Plate of 5 carrots
- 423108—1 Eggplant
- 423109—1 Squash - any variety
- 423110—Plate of 5 peppers
- 423111—Plate of 5 okra
- 423112—1 Watermelon
- 423113—1 Pumpkin
- 423114—Other vegetables not listed
- 423115—5 Red Potatoes (Variety should be named)
- 423116—5 White Potatoes (Variety should be named)
- 423117—5 Sweet Potatoes (Variety should be named)

1. Information about exhibiting produce is available online in the publication "Exhibiting Fruits and Vegetables" available in the Extension Office or online at: <http://www.bookstore.ksre.ksu.edu/pubs/c405.pdf>.
2. All products must be grown in 2020 by the club member.
3. Only **one** exhibit per class will be accepted.
4. Exhibitors are to use a sturdy plate, bowl or container that will support the weight of the produce. Superintendents will secure entry tag to plate or container with string or tape.
5. Shelled vegetables should not be exhibited.
6. Quality and condition of exhibit will be considered. Exhibits in this division need not be mature. Efforts should be made, however, to select as mature entries as possible.
7. *****NEW in 2020*** All Plant Science will be judged at the Stafford Rec Annex building, Stafford, Ks., Wednesday, July 15 at 9:00 am. A judging schedule will be sent out with additional instructions.**

AWARDS:

Overall Grand Champion Plant Science Trophy
Overall Res Grand Champion Plant Science Trophy

GARDEN DISPLAYS

Each exhibitor in this class will be limited to four square feet of space. The Garden Display must be exhibited in a tray, basket or container that can be easily moved by the fair staff. Exhibit consists of 5 different types of fresh vegetables or fruits. Canned products and shelled vegetables are not acceptable. Only one variety of each type of vegetable or fruit may be exhibited. The numbers of the 5 types of vegetables or fruits to be exhibited are as follows:

Large vegetables (1 each): Cabbage, Cantaloupe, Eggplant, Large Pumpkin, Squash, Watermelon

Medium Vegetables (5 each): Beets, Carrots, Cucumbers, Decorative Gourds, Potatoes, Miniature Pumpkins, Okra, Onions, Peppers, Radishes, Sweet Potatoes, Tomatoes, radishes, or other similar sized vegetable.

Small Vegetables (12 each): Green snap beans, wax beans, English peas, or other sized vegetables.

Small Fruits (one 1/2 pint box): Strawberries, blackberries, raspberries, or other similar sized fruits.

Tree Fruits (plate of 5): Apples, pears, peaches, or similar sized fruit.

Grapes (2 bunches)

CLASS:

423001—Junior Garden Display

423002—Intermediate Garden Display

423003—Senior Garden Display

FLOWERS

1. Information about exhibiting flowers can be found online in the publication "Preparing Cut Flowers for Exhibit," available at <http://www.bookstore.ksre.ksu.edu/pubs/4H826.pdf>.
2. Each exhibitor is limited to 2 entries per class.
3. All exhibits in the Flower division must be grown in the current year. Plants must have been in possession of the exhibitor for at least 60 days, with exception of plant material for floral arrangements.
4. All specimens **MUST** be entered in clear glass containers, bottles, bud vases or fruit jars of appropriate size.
5. All entries must be freestanding, easily moved, and not require any special equipment to display.

CLASS:*

423201—Annual Garden Flower: Single stem

423202—Perennial Garden Flower: Single stem

423203—Fresh Flower Arrangement: Any size & color vase may be used for this class to accentuate the arrangement.

423204—Dried Flower Arrangement: Dried plant material, no fabric or plastic material.

423205—Holiday or Themed Flower Arrangement: Seasonal/holiday themed

423206—Potted Container: Up to 10 varieties; planted by exhibitor in container of choice. Please submit notecard listing varieties used and why. (No pre-planted purchased containers may be exhibited/entered.)

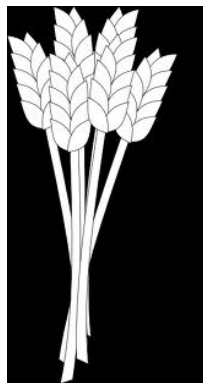
423207—Most Unusual Potted Container: Creative use of an object as a potted container. May include but not limited to farm implements, discarded kitchen bowls, old boots, hollowed out tree stump, etc., planted by exhibitor. Please submit notecard listing plant varieties and why they were selected.

423208—Houseplant, foliage or flowering

423209—Fairy Garden

*NOTE: Some classes in the flower division may not be State Fair eligible. Please check State Fair Book (at Extension Office or online) for division & class information.

FIELD CROPS



1. Products exhibited in this division must have been grown by the 4-H Member in the current year, with the exception of soybean seed and edible field bean seed.
2. Exhibits should be as mature as possible.
3. Only **one** exhibit per class will be accepted.
4. Every entry must be identified by hybrid or variety name.
5. All classes calling for a gallon sample may have a 2 1/2 – 3 inch diameter cylinder placed in a glass gallon container to reduce the amount of grain to about three quarters.

CLASS:

423301—Wheat: 1 Gallon, any variety

423302—Barley: 1 Gallon, any variety

423303—Oats: 1 Gallon, any variety

423304—Soybeans: 1 Gallon any variety - Exhibit to consist of one gallon sample of seed, 2018 or 2019 project - variety must be named

423305—Soybeans: Bundle of 5 plants grown in 2019 - variety must be named

423306—Hybrid Forage Sorghum: Exhibit consist of the entire plant; no roots, 10 plants

423307—Hybrid Grain Sorghum: Ten head exhibit, hybrids

423308—Other Forage Sorghums: Exhibit to consist of the entire plant: no roots, 10 plants

423309—Alfalfa Seed: 1 Gallon, any sample

423310—Alfalfa Hay: Exhibit to consist of one flake or slice from a rectangular bale, or a 10 inch section cut from a round bale. The flake or slice should be approximately 6 inches in thickness and tied in two directions.

423311—Native Grass Hay: 10 in flake or slice, 6 inches thick, and tied in two directions

423312—Cool Season Grass Hay: 10 in flake or slice, 6 inches thick, and tied in two directions

423313—Brome Grass: 1 Gallon sample of seed

423314—Other Tame Grasses: 1 Gallon sample of seed

423315—Corn: Ten ears exhibit, white

423316—Corn: Ten ears exhibit, yellow (Corn to be shown at a special date.)

423317—Corn: White, 1 Gallon any variety (Exhibit to consist of one gallon sample of seed from most recent harvest.)

423318—Corn: Yellow, 1 Gallon any variety (Exhibit to consist of one gallon sample of seed from most recent harvest.)

423319—Sunflowers: Confectionery heads (Three heads must be submitted.)

423320—Sunflowers: Confectionery seeds in jar (1 gallon jar must be submitted.)

423321—Sunflowers: Oil seed heads (3 heads must be submitted.)

423322—Sunflowers: Oil seeds in jar (1 gallon jar must be submitted.)

423323—Edible Field Beans: 1 Gallon Sample

423324—Edible Field Beans: Bundle of 5 plants (with roots intact) from most recent harvest.

423325—Miscellaneous Crops: Exhibit to consist of 1 Gallon Sample of Seed, or 10 heads produced from the current year.

423326—Cotton: Provide 10 open bolls, not plants. Place bolls in a bag that can breath (not sealed plastic bag), so mold doesn't develop.

WHEAT VARIETY PLOT DISPLAYS

423401—Wheat Variety Plot Displays

The freestanding displays must not exceed the overall dimensions of 36" wide x 36" high x 18" deep (measured on the outside). Care should be taken to select durable materials that will withstand fair conditions. Displays must not require the use of electricity. If booth exceeds overall dimensions, ribbon placing will be dropped one place.

1. Any display receiving a blue or a purple ribbon at the county level is eligible to enter the Kansas State Fair. The entry must be made via the 4-H KS Fair online entry system by August 15.
2. These displays will have been planned and prepared by 4-H members enrolled in the wheat variety plot project.
3. Members must include the varieties provided in the display, but may include more varieties, if desired.
4. Wheat Variety plot displays must set up and be in place by 12:00 pm on Wednesday of the County Fair.

Basis for Awards:

I. Educational Value—70%

Is the main idea of the display specific? Was the title or theme emphasized? Is the idea presented so clearly, so simply, so forcefully, that it will stop the casual observer? If the passerby stopped, did the display give the observer additional facts in a clear, concise way? For example, varieties difference in wheat, economic gains from adoption of desirable practices, etc.

II. Quality of Display Material—30%

Size, style and neatness of lettering, proportion of models and lettering balanced, workmanship, including handouts, if used, charts, models and lettering used effectively to teach ideas, colorful, artistic, neat and well balanced.

WEED CONTROL EXHIBITS

423501—Weed Control Exhibit (Consists of the 4 items below)

1. Collect, identify, press, mount, and label a minimum of 15 weeds. Try to include their roots, stems, leaves and flowers. Three of the weeds must be noxious weeds preferably found in your home county. A standard 9"x12" scrapbook may be obtained in which to permanently mount your weed specimens. Identify the scrapbook with your name and county on the inside front cover.
2. Prepare a list of the weeds mounted, showing common name, scientific name, and where it was found. Place the list in a specially identified section of the scrapbook.
3. Collect and identify weed seeds found in crop seeds. Mount them for display purposes. Place them in a specially identified section of the scrapbook.
4. Write a story on "How We Control Weeds on Our Farm" if you live on a farm. Other members write "How We Control Weeds at Home." The story should be about 300 words in length. It must show definite methods used to control weeds. Place the story in a specially identified section of the scrapbook.

Basis for Awards:

Mounted Weed Collection: Number of mounted specimens, completeness of individual mounts, correctness of identification and information, neatness, and including record sheet of weeds.

- I. Records.....50%
- II. Weed Seed collection and exhibit.....30%
- III. Story: "How We Control Weeds".....20%