4-H PLANT SCIENCE

Superintendents
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Junior Superintendents
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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 2019 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.

AWARDS:

Overall Grand Champion Plant Science Trophy - Sponsored by KP AG Services - Macksville, KS

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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

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)

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, 2017 or 2018 project - variety must be named
423305 - Soybeans - bundle of 5 plants grown in 2018 - 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 - 3 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 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 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 passersby stopped, did the display give the observer additional facts a clear, concise way? For example, varietals 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.

Thanks to Pioneer Hi-Bred for donating the 4-H Exhibitor’s T-Shirts!!

Vance Wendleburg, Sales Rep.
Marvin Whipple, Sales Rep.
Shawn Collins, Area Manager

PIONEER®
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, and neatness, include record sheet of weeds.

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