

4-H Fair Guide

DIVISION 6015
4-H HORTICULTURE & PLANT SCIENCE

1. Examples of acceptable exhibits are listed below. Plants, photographs or other visual aids are necessary for most projects. The class will be governed by the following:

- Exhibits will be judged on the quality of the primary (horticulture) project work.
- All plants exhibited MUST have been grown by the 4-Hers for at least 6 months. Exceptions will be made with terrariums, dish gardens and annual and vegetable bucket gardens which may have been grown for a shorter period of time.
- Items improperly entered will be disqualified.
- Exhibits entered with pesticide residue will be disqualified and disposed of.
- Care will be provided for all plants. However, because of low light, air conditioning, etc., no guarantee can be made that the plants will be returned in their original condition. Plants are entered at the risk of the exhibitor.
- Vegetable entries should be fresh, with the label on top of exhibit. Do not stick toothpicks in produce.
- Youth should NOT use garden soil in containers. Use well-drained, disease-free potting soil for all containers.

561 Environmental Awareness (Such as but not limited to:) A one page description of project must accompany entry item (type or printed neatly) to be eligible for entry.

- Tree planting on city property, roadways, parks, etc.
- Home/landscaping
- Composting

562 Production and Marketing (such as but not limited to:) A one page description of project must accompany entry item (type or printed neatly) to be eligible for entry.

- Vegetable garden planted for food and/or market use.
- The planting, production, or management of fruit plantings.
- The planting, production, or management of trees, shrubs, greenhouse crops or garden perennials.

563 Experimental Horticulture (such as, but not limited to:) A one page description of project must accompany entry item (type or printed neatly) to be eligible for entry.

- "Science Fair" type of exhibit involving experimental work with plants
- Comparison of different varieties of vegetables or annual flowers
- Comparison of mulching or other cultural practices

564 Horticultural Project Exhibits (such as, but not limited to:) A one page description of project must accompany entry item (type or printed neatly) to be eligible for entry.

- How to propagate plants
- How to force spring bulbs
- How to start seeds
- How to graft cacti
- How to dry herbs

565 Terrariums
566 Dish gardens (desert or tropical)
567 Vegetable bucket gardens (grown in container - not dug out of the garden)
568 Annual bucket garden
569 House plants
570 Hanging baskets

Garden and/or Orchard Displays

571 The exhibitor may exhibit as many different fruits and/or vegetables from their garden as desired. Any size or type (minimum of five types) of produce may be displayed in the 2'x3' area provided for each exhibit. The exhibit must be in a display container (box or basket) which can be easily moved. Vegetables will not be returned to exhibitor. They will be judged as follows:

4-Hers may also exhibit plates of vegetables. A white paper plate for vegetables must be supplied by the exhibitor. These vegetables will not be returned to the exhibitor. Classes of vegetables will be limited to:

- Tomato (5 per plate) Must be ripe (red or yellow color only)
- Peppers, hot, mild, or sweet (5 per plate)
- Cucumbers, slicing (5 per plate), pickling (5 per plate)
- Beans, snap or lima (12 per plate)
- Corn, sweet (in the husk with silks) (5 ears per plate)
- Cantaloupe (1 whole), halved

The largest vegetable may not be the highest quality, nevertheless, it is unique. The largest entry in each of the following classes will receive a class champion ribbon.

- Largest Tomato (by weight) Must be ripe (red or yellow color only)
- Largest Cabbage (by weight)

580 Largest Pumpkin (by weight)
581 Largest Watermelon (by weight)

DIVISION 6018 - 4-H CROPS PROJECT

1. Refusal of any and all entries due to excess chaff, rodent pellets, mold, murr, foreign materials, or anything that makes it unsuitable for display. Do not bring grains in glass containers. Grain must be in one (1) gallon zip lock bags. Neither the container nor the grain will be returned.

- Legume hay shall consist of 85% if the class designed legume. Grass hay shall be 85% of the class-designed grass. Mixed hay should contain only one eligible grass and one eligible legume. The legume component shall be at least 10 percent alfalfa and not more than 70% legume. Eligible legumes are alfalfa, red clover, and ladino clover. Eligible grasses are timothy, Bermuda grass, orchard grass, tall fescue and ryegrass.
- The field corn and popcorn will be exhibited in trays provided by the State Fair.
- No hay or grain exhibits will be returned.
- Roots of soybeans must be washed.

LEGUME HAY:

- Alfalfa hay from the current year's project crop, neatly tied and labeled.
- Red clover hay from the current year's project crop, neatly tied and labeled.

GRASS HAY:

- Timothy Hay, from this current year's project crop, neatly tied and labeled.
- Other Grass Hay from the current year's project crop, neatly tied and labeled.

MIXED HAY:

- Mixed Hay from the current year's project crop, neatly tied and labeled.

YELLOW CORN:

- Yellow-ear, from the previous year's crop, 8 ears shucked, and labeled with variety and yield.
- Yellow-ear, from the current year's crop, 8 ears shucked, and labeled with variety and yield.
- Yellow-shelled, from the previous year's crop, 0.5 gallon in a container, and labeled to show variety and yield.

WHITE CORN:

- White-ear, from the previous year's crop, 8 ears shucked, and labeled with variety and yield.
- White-ear, from the current year's crop, 8 ears shucked, and labeled with variety and yield.
- White-shelled, from the previous year's crop, 0.5 gallon in a container, and labeled to show variety and yield.

POPCORN:

- White Popcorn-ear, from the previous year's crop, 8 ears shucked, and labeled with variety and yield.
- Red Popcorn-ear, from the previous year's crop, 8 ears shucked, and labeled with variety and yield.
- Yellow Popcorn-ear, from the previous year's crop, 8 ears shucked, and labeled with variety and yield.

FIELD SOYBEANS (OH):

- Soybeans from the current year's crop, three stalks tied together below leaves, with roots intact, but free of soil, and labeled to show variety.
- Soybeans from the previous year's crop, 1-gallon zip lock bag, and labeled to show variety and yield.

GRAIN SORGHUM (MILK):

- Grain Sorghum from the current year's crop, three stalks tied together below leaves, with roots intact, but free of soil, and labeled to show variety.
- Grain Sorghum from the previous year's crop, 1-gallon zip lock bag, and labeled to show variety and yield.

SWEET SORGHUM

619 Sweet sorghum from the current year's crop, three stalks tied together below leaves, with roots intact, but free of soil, and labeled to show variety.

WHEAT (Soft, Red, Winter)

620 Wheat from the current year's crop, 0.5 gallon in a container, and labeled to show variety and yield.

621 Barley from the current year's crop, 0.5 gallon in a container, and labeled to show variety and yield.

Division 6021 - 4-H ELECTRIC

1. Exhibits must be made according to the instructions in the 4-H project book.

- All exhibits requiring bulbs must have the correct size.
- Use of molded plug-ins is discouraged.
- No cord that has been bought in a store and later repaired may be entered.

4. Effective strain relief should be provided for all wires to terminal connections. Knots, clamps, connectors, or staples are acceptable when used appropriately.

6. A class champion will be selected for each individual class and one Grand and one Reserve Champion rosette selected from the entire exhibit.

7. 4-H exhibit will be divided into the following classes:

FUNDAMENTALS (DC Power, Units 1 & 2)

- Battery powered series and parallel circuits
- Electric Games
- Electromagnetic circuits
- DC motor

WIRING (AC power, Unit 3)

- Electric examination card (3-wire), heavy duty outdoor (GFCI outlet acceptable)
- Wiring diagram for home and/or farmstead
- Wiring Display - actual wiring for a specific unit

LIGHTING (not covered in new material)

- "Pop out" lamp kits
- Table, desk, vanity, or floor lamps (any purpose - kits only)
- Pin Up lamp (kit or original design)
- Table, desk, vanity, or floor lamps (any purpose - original design only)

ELECTRONICS

- Solar electric cell applications
- Basic electronic circuits with solid-state components (from kits).
- Basic electronic circuits with solid-state components (original circuit design).

POSTERS

Electrical safety or energy conservation posters

Division 6025 - 4-H WOOD SCIENCE

674 Level 1, MADE from a kit. Simple items which have pre-cut and pre-drilled parts and youth demonstrate knowledge of assembly, selective and use of fasteners (nails, screws and/or glue), sanding techniques, and appropriate finishes (Example: small bird house, non-hopper bird feeder).

675 Level 1, NOT from a kit. Simple constructed wood item showing knowledge of hand tools, wood selection, cutting, drilling, use of fasteners (nails, screws and/or glue), sanding techniques, and appropriate finishes, (such as, napkin holder, letter holder, simple picture frame, wire wiggle, towel holder, serving tray, jewelry box, small flag holder, 4-H book ends, airplane, hurricane lamp, trivet (pot holder), etc.)

676 Level 2, made from a kit. More elaborate items which require cutting, drilling and youth demonstrate knowledge of selection and use of fasteners (nails, screws and/or glue), sanding techniques, and appropriate finishes (Example: pine wood car, large bird house).

677 Level 2, NOT from a kit. More elaborate items that demonstrate a mastered skills with hand tools, basic knowledge of power hand tools, fastening options, appropriate surface preparations, and finish applications, (such as puzzle, foot stool, revolving tire rack, 4-H key holder, cutting board, book rack, serving dish, shelf, awnhouse, hopper type bird feeder, etc.)

678 Level 3, NOT from a kit. Items showing a more advanced knowledge of power tools,

expertise in cutting, fitting, surface preparation, attention to fastening details, and finish application, (such as a multi-purpose box, corner shelf, book shelf or laminated wood projects, garden bench, planting box, nail and tool box, shop tool rack & shelf, etc.)

679 Level 4, NO kits. Exhibits with a "furniture" quality finish, showing an understanding of all woodworking techniques learned in previous levels. Items showing a mastery of joint construction and use of special woods, and finishes. (Examples, checker boardroom divider, coffee table, end table, chest of drawers, gun rack or cabinet, etc.)

680 Level 4, NO kits. Exhibits that do not have a fine finish (painted finish allowable) because of practical use. Items demonstrate knowledge of all woodworking techniques learned in previous levels. Items showing a mastery of cutting, drilling, joint construction, use of special woods, and appropriate finishes. (Examples, porch swing, chaise lounge, picnic table, lawn chair, large planters, etc.)

Division 6026 - ENTOMOLOGY/HONEY

1. Specifications for exhibits:

- All exhibits are to be standard size 18" x 24" and not more than 3 1/2" thick with Plexiglas cover and celotex type false pinning bottom. Entomology boxes through UK College of Agriculture, Department of Entomology, will also be acceptable. Plastic wrap must be placed over insects in the styrofoam, cardboard or chipboard boxes. Boxes must be easily opened.
- Specimens are to be arranged so the box can be exhibited horizontally. Whenever possible, 4-Hers should attach wires to the back of boxes to help make them easier to display.
- Identification labels available from your County Extension Office must be used. The card should be placed on the front of the box (each box). Instructions for pinning and labeling are included in your project literature.
- One half of the specimens may be from the previous year's collection or from anywhere in the United States; one half or more must be Kentucky insects collected since the last Kentucky State Fair.
- For the first through fifth year projects, a display collection catalog must be in an envelope attached to the back of the display box. Envelopes should be attached to permit their being opened easily to remove catalogue from them without moving the exhibit.

2. Entomology exhibits are judged on the following categories: Orders, Species, Common Names, Labels, Condition of Specimens, Overall Appearance, Life Cycle Representation, and Catalog of Specimens.

3. Exhibits will be penalized if they do not:

- Use insect pins for pinning insects.
- Use the 4-H Entomology identification labels.
- Use the standard 18" x 24" x 3 1/2" display box or box acquired through the Dept. of Entomology. (Boxes from the Entomology Dept. should have a plastic film cover such as Saran Wrap to protect insects inside.)
- Follow the requirements of the particular exhibit under which it is entered.
- Have the insects arranged in the box can be exhibited horizontally.
- Have the display collection catalogue in an envelope attached to the back of the display box through fifth year projects.

4. No extra credit will be given for specimens exhibited beyond the numbers listed in the current project book.

5. 4-Hers entering fifth year cannot use the same exhibit that has been judged in any previous county fair.

6. 4-H Entomology exhibits will be divided into the following classes:

- First year project (1 or 2 boxes with minimum of 25 insects, maximum 50 insects, from at least four orders. Identification beyond order not necessary. All specimens must have date and locality label.)
- Second year project (1 or 2 boxes with minimum of 10 orders and not less than 50 insects, nor more than 100 insects.) Half of the insects should be identified with a common name.
- Third year project (2 boxes with a minimum of 10 orders and 100 insects, a maximum of 150 insects.)
- Fourth year project (2 boxes with minimum of 12 orders and 150 insects, no maximum.) A third box with an example of insect damage, the stage of the insect causing the damage and any other stage of the insect that helps identify the problem. Include information in the display that tells how the insect is controlled. Life cycle of two insects may be displayed if desired.

691 Fifth year project (may be judged for successive years if eligibility but must be a different exhibit. No exhibit that has been judged in any previous State Fair may be entered.) Any type