KENTUCKY 4-H HORTICULTURE AND PLANT SCIENCE PROJECT

Experimental Horticulture



The Experimental Horticulture Project is similar to a science fair project. You choose a horticultural scientific experiment you would like to learn about, and conduct the experiment using the seven steps in the scientific method.

- Step 1 Question
- Step 2 Research
- Step 3 Hypothesis
- Step 4 Experiment
- Step 5 Observations
- Step 6 Results/Conclusion
- Step 7 Communicate Results (in your one-page description and on your display board)

Choose a scientific experiment related to horticulture. The following are a list of examples, but projects are not limited to these three.

- A "science fair" type of exhibit involving an experiment working with plants
- Comparison of different varieties of vegetables or annual flowers
- Comparison of mulching or other cultural practices

A one-page project description and tri-fold project board are required for this project. The project description and project board should be easy to understand and informative to the viewer, and include the following:

- Title of the project (the title should tell the viewer quickly about the experiment)
- Statement about what is to be accomplished from the experiment
- List of resources used to research and/or complete the project
- Description of materials used to complete the project
- Description of procedures used to complete the project
- Results and conclusion of your project including (but not limited to): hypothesis, results, conclusion, statements by individuals, and photographs of the project

Visit the 4-H Horticulture webpage, https://4-h.ca.uky.edu/content/horticulture for the Kentucky State Fair guidelines and scoresheet for this project.

References:

KY State Fair Catalog, Division 6015 4-H Horticulture and Plant Science Entries KY State Fair Evaluation Sheet, Lot 6015, Class 563

Experimental Horticulture Project Sheet prepared by Jessica Sayre, Horticulture Extension Agent for Harrison County, and Ashley Osborne, Extension Specialist for 4-H Youth Development, 2020.



4-H is a community of young people who are learning leadership citizenship and life skills.

"There are no gardening mistakes, only experiments."

Janet Kilburn Phillips.

Materials Needed

- Tri-fold project board
- Pictures of project
- One-page description of project stapled to the board or in a folder

State Fair Project Information

- Division 6015:
 4-H Horticulture and Plant Science
- Class 563:
 Experimental
 Horticulture

Visit the 4-H Horticulture webpage at https://4-h.ca.uky.edu/content/horticulture for additional information.

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