

BUILDING EXHIBITS

Section H: Plant Pathology

GENERAL PLANT PATHOLOGY

Class No.

1. **LEAFSPOT COLLECTION BOOKLETS OR PLANT PATHOLOGY EXHIBITS**

- As described in *Know Your Plant's Diseases*, and *Know Your Tree Diseases*, leaf disease notebooks or diseased plant specimens in Riker mounts may be exhibited.
- Other Plant Pathology exhibits based upon regional, county, or self-initiated projects, or other exhibit ideas.

2. **INSECT AND DISEASE MANAGEMENT ON VEGETABLE PROJECTS**

- Must exhibit a 4-H member's experience in and knowledge of this subject matter.
 - a) A display of preserved plant specimens, either pressed, dried or otherwise preserved in as life-like form as possible, exhibiting symptoms of insect injury or plant disease.
 - b) Where possible, the insect which caused injury should be properly mounted and included in the display. All specimens should be labeled as follows: vegetable name; insect or plant disease name; date specimen collected; collector's name and county.

At least fifteen (15) plant specimens should be included, depicting different insect or disease problems. Evaluation will be primarily weighted toward originality of display.

- c) A poster display showing the layout of your garden and indicating specific steps taken to manage pests within the last year or two. A record book may be presented indicating dates on which problems were observed, treatments were utilized and observations were made as the effectiveness of these treatments. This poster should attempt to teach those who examine it the principles of pest management. Photographs, drawings and other visual aids may be used. Evaluations will be based on the member's understanding of the subject and effectiveness of the poster as a teaching aid.

3. **FUNGUS COLLECTIONS**

- Fun With Fungi – Fungus Collections must have a minimum of 12 distinctly different kinds of fungi (at least one gill fungus, one pore fungus, and one bracket fungus). For full credit, the dried collections should contain spring, summer and autumn specimens, and be labeled in the manner described in *Fun With Fungi*. Displays should attempt to exhibit knowledge gained about fungi and their role in the environment. Collection boxes should have removable covers to allow close examination of each specimen during judging.
- Photo Exhibits – Photographs of fungi may be displayed according to the General Information in the Visual Arts Section. Fungi in photographs must be identified by their common name and/or scientific name. Include with the title or caption the date and location of the photo.

Suggestions include:

- a) Photograph of a single fungus or group of fungi
- b) A collection of three or more photographs of different fungi
- c) 4 close-up photographs, taken hours, days or weeks apart, showing the growth and development of the same mushroom.
- d) 3 photographs taken one each during spring, summer and fall. Or 4 photographs including one in winter.

4. **PLANT PATHOLOGY OPEN CLASS**

- Class is an option for exhibits deemed by the County Youth Educator or be worthwhile, but fall outside the categories described above. The decision to bring such an exhibit is left to the discretion of the Extension 4-H Educator.