

## Section H -- PLANT PATHOLOGY

- 4-H Publications that appear in italics may be out of print. If your county CCE office does not have hard copies available, please send an e-mail to the Plant Pathology superintendent ([slj2@cornell.edu](mailto:slj2@cornell.edu)) for instructions.
  - ( 1 example per class)

### GENERAL PLANT PATHOLOGY

#### Class No.

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

- As described in *Know Your Plant's Disease*, and *Know Your Tree Diseases*, leaf disease notebooks or diseased plant specimens in Riker mounts may be exhibited.

### VEGETABLE INSECT AND DISEASE CONTROL EXHIBITS

#### 2. INSECT AND DISEASE MANAGEMENT ON VEGETABLES PROJECTS

- Must exhibit a 4-H member's experience in and knowledge of this subject matter. Exhibits derived from these projects should include one of the following:
  - 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. 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 plant specimens should be included, depicting different insect or disease problems. Evaluation will be primarily weighted toward originality of display.

- b) A poster display showing the layout of your garden and indicating specific steps taken to manage pests within the past year or two. A record book may be presented indicating dates on which problems were observed, treatments were utilized and observations were made as to 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. Evaluation will be based on the member's understanding of the subject and effectiveness of the poster as a teaching aid.

### FUNGUS COLLECTIONS

#### Class No.

#### 3. PHOTO COLLECTIONS

- Photographs of fungi may be displayed according to the General Information in the Visual Arts Section. Fungi in photos 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) A collection of three or more photographs of different fungi.
  - b) 4 close-up photographs, taken hours, days or weeks apart, showing the growth and development of the same mushroom(s).
  - c) 3 photographs taken one each during spring, summer and fall. Or 4 photographs including one in winter.

#### **4. MUSHROOM COLLECTOR'S JOURNAL**

- This category combines elements of the two preceding projects. Although preservation of dried fungal specimens in the manner described in *Fun With Fungi* is encouraged, this project does not require that the fungi be submitted as a collection of dried specimens. However, preservation of your fungi strongly encouraged for future reference or for possible submission to the Cornell Herbarium.

This project should include detailed notes about each fungal specimen, photos, and sports prints. Six fungal specimens from different genera are required. Instructions and forms for this category may be found online at:  
<http://plantclinic.cornell.edu/mushroomjournal.html>.

#### **5. PLANT PATHOLOGY OPEN CLASS**

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