

Weeds

What is in it for me?

Youth learn all about different types of weeds as well as life skills through fun hands-on experiences. The project is divided into three divisions:

Division 1

Division 2

Division 3

What can I learn?

In this project you will learn about weed identification, how to preserve weed samples, and how to mount your weed samples.

Exhibit Introduction

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

Requirements

Level: Division 1 (May do 1 to 2 years)

Last Modified: 10/14/11

Exhibit

1. Collect and identify 15 different weeds from the common and/or invasive plants of Indiana. Your collection of weeds must be taken from the list of common weeds in publication 4-H 247-W. Be aware that some weeds may be more prevalent at different times of the year. Each specimen should show flower and/or fruit, leaf, stem, and root characteristics, all of which are necessary for complete and accurate identification.
2. Press weeds (see page 4, 4-H 247-W).
3. Mount each individual weed on 8 1/2" x 11" poster board by either taping or gluing the plant to the poster board
4. Cover the poster board containing the plant specimen with cellophane or clear sheet plastic or put it in a plastic sheet protector. Place the pages in a three-ring binder (punch holes of adequate size to allow easy turning of the pages in the binder).
5. Label (label size, 1 1/2" x 2") each weed as to:
 - Name of weed (common and scientific names-remember to italicize or underline scientific names)
 - Where found (lawn, garden, pasture, etc.)
 - How it reproduces (seed and/or underground root parts)
6. Answer questions on record sheet 4-H 247A-W, and put a copy of the record sheet in your notebook.
7. In year two, exhibit a different set of weeds, not repeating the ones from year one.

Requirements

Level: Division 2 (May do 1 to 2 years)

Last Modified: 10/10/08

Exhibit

1. Collect and identify 5 noxious and five poisonous weeds of Indiana. Your collection of weeds must be taken from the list of noxious and poisonous weeds in publication 4-H 247-W. Be aware that some weeds may be more prevalent at different times of the year. Each specimen should show flower and/or fruit, leaf, stem and root characteristics, all of which are necessary for complete and accurate identification.
2. Press weeds (see page 4, 4-H 247-W).
3. Mount each individual weed on 8 1/2" x 11" poster board by either taping or gluing the plant to the poster board
4. Cover the poster board containing the plant specimen with cellophane or clear sheet plastic or put it in a plastic sheet protector. Place the pages in a three-ring binder (punch holes of adequate size to allow easy turning of the pages in the binder).
5. Label (label size, 1 1/2" x 2") each weed as to:
 - Name of weed (common and scientific names--remember to italicize or underline scientific names)
 - Where found (lawn, garden, pasture, etc.)
 - How it reproduces (seed and/or underground root parts)
6. Answer questions on record sheet 4-H 247B-W, and put a copy of the record sheet in your notebook.
7. In year two, exhibit a different set of weeds, not repeating the ones from year one.

Requirements

Level: Division 3 (May do multiple years)

Last Modified: 10/14/11

Exhibit

1. Collect and identify 15 different weed seeds from mature plants from the list of common, noxious, or poisonous weeds in 4-H-217-W . Five of these weed seeds must be taken from the list of noxious weeds in 4-H 247-W. Be aware that some weeds may be more prevalent at different times of the year.
2. Clean the seeds and separate from the fruit (See page 3 of 4-H 247-W).
3. Place one tablespoon of the dried weed seeds in a plastic zippered bag.
4. Mount the plastic bags on poster board (22" x 28"). Mounting must be made to exhibit the poster in a horizontal position. Place your name, county, and club name in the lower right corner of the poster.
5. Label (label size, 1 1/2" x 2") each weed seed as to:
 - Name of weed (common and scientific names--remember to italicize or underline scientific names)
 - Where found (lawn, garden, pasture, etc.)
 - Annual, biennial, or perennial.
6. Answer questions on record sheet 4-H 247C-W, and attach a copy of the record sheet to the back of your poster.
7. In each consecutive year, exhibit different seeds, not repeating the ones from the year before.

Resources

Indiana 4-H Weed Identification Project Record

Division I

Name _____ Grade _____ Year _____

Name of Club _____ Year in Club Work _____

Township _____ County _____

Date Record Started _____ Date Record Completed _____

Signature of Leader _____ Date _____

Do not fail to complete this record. It is as important in the project as your exhibit.

1. Define a weed.

2. Classify weeds according to their length of life (shortest to longest).

- a.
- b.
- c.

3. How may weeds be introduced?

4. How are weed seeds scattered?



5. List three ways in which weeds cause losses.

- a.
- b.
- c.

6. The Indiana seed law prohibits the sale of seeds for seeding purposes that contain:

- a.
- b.
- c.

7. Name three general methods of weed control.

- a.
- b.
- c.

8. Give four plant parts that should be included in a good plant specimen.

- a.
- b.
- c.
- d.

9. About how many hours did you spend on this project?

10. Why did you enroll in this weed project?

- *Keep your records, pictures, and newspaper clippings of all your 4-H activities. Use them to make your 4-H Club Achievement Record Book later.*

It is the policy of the Purdue University Cooperative Extension Service, David C. Petritz, Director, that all persons shall have equal opportunity and access to the programs and facilities without regard to race, color, sex, religion, national origin, age, marital status, parental status, sexual orientation, or disability. Purdue University is an Affirmative Action institution. This material may be available in alternative formats.

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Indiana 4-H Weed Identification Project Record

Division II

Name _____ Grade _____ Year _____

Name of Club _____ Year in Club Work _____

Township _____ County _____

Date Record Started _____ Date Record Completed _____

Signature of Leader _____ Date _____

Do not fail to complete this record. It is as important in the project as your exhibit.

1. Define a weed.

2. A good plant specimen should include the following four plant parts:

- a.
- b.
- c.
- d.

3. Pollen from some weeds causes:

4. List a weed that causes skin irritation.



5. List three ways in which weeds cause losses.

- a.
- b.
- c.

6. Classify weeds according to their length of life (shortest to longest).

- a.
- b.
- c.

7. How are weed seeds scattered?

8. Name three general methods of weed control.

- a.
- b.
- c.

9. Why did you enroll in this weed project?

10. About how many hours did you spend on this project?

- *Keep your records, pictures, and newspaper clippings of all your 4-H activities.*
- *Use them to make your 4-H Club Achievement Record Book later.*

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Indiana 4-H Weed Identification Project Record

Division III

Name _____ Grade _____ Year _____

Name of Club _____ Year in Club Work _____

Township _____ County _____

Date Record Started _____ Date Record Completed _____

Signature of Leader _____ Date _____

Do not fail to complete this record. It is as important in the project as your exhibit.

1. Define a weed.

2. What amount of prohibited noxious weed seeds is allowed in agricultural seed sold for seeding purposes?

3. What amount of restricted noxious weed seeds is allowed in agricultural seed sold for seeding purposes?

4. What amount of total weed seeds is allowed in agricultural seed sold for seeding purposes?



5. List two special devices that seeds have to aid in their distribution.

a.

b.

6. List a weed that is a plant parasite.

7. What amount of wild garlic seed is allowed in agricultural seed sold for seeding purposes?

8. List three ways in which weeds cause losses.

a.

b.

c.

9. About how many hours did you spend on this project this year?

10. Why did you enroll in this weed project?

- *Keep your records, pictures, and newspaper clippings of all your 4-H activities.*
- *Use them to make your 4-H Club Achievement Record Book later.*

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