

CROPS (STEM)



Check in with perishables

HAY/FORAGES, CORN, POTATO, SMALL GRAINS, SOYBEANS, STRAWBERRY, TOBACCO, TOMATO

The 4-H Crops project allows youth the opportunity to explore hands-on crop production. With the opportunity to grow a variety of crops including corn, soybeans, oats, and wheat, youth learn about the different components of agriculture production. While learning and applying practices to control insects and disease, harvesting, storage, and marketing youth are gain valuable life skills such as wise use of resources, keeping records, conflict resolution, and personal safety.

HAY/FORAGES

BEGINNERS	Grades 3, 4, 5 as of January 1 of the current year.
INTERMEDIATE	Grades 6, 7, 8 as of January 1 of the current year.
ADVANCED	Grades 9 - 12 as of January 1 of the current year.

All Exhibitors will exhibit 1/4 bale of HAY (approximately 15 pounds).

CORN

Some new and interesting exhibit possibilities have surfaced due to the newly revised Corn Manuals. In the ADVANCED DIVISION, one washed root system with one foot of stalk will be exhibited with the two stalks of corn. The root system should be as extensive as possible. There will be four divisions divided according to the member's age within the year.

<u>Division I Thru III (Beginner)</u>	Grades 3, 4, 5, as of January 1 of current year. See Manual.
<u>Division Iv Thru VI (Intermediate)</u>	Grades 6, 7, 8 as of January 1 of current year - see Manual (examples: "My Own Corn Germination Test: "Know How to Read Pesticide Labels", "Making the Farmstead Safer", etc.)
<u>Division VII Thru X (Advanced)</u>	Grades 9 - 12 as of January 1 of current year - 2 stalks and 1 bare root with one foot of stalk.

POTATO

SUGGESTIONS FOR EXHIBITS: Exhibit 24 to 36 potatoes in a tray that is about 12 1/2" X 18" X 2 1/2" deep. The number of potatoes will vary according to potato size.

RECORD SHEET: Use the 4-H Garden Record Sheet (4-H 636) in place of the one on pages 9, 10, 11 and 12.

SCORE CARD: Use the 4-H Garden Score Card (4-H 497) in place one on page 13.

REFERENCE BULLETINS: The reference bulletins at the back of this manual may be outdated. Check with your County Extension Office for the latest printing of this information and for additional materials that may be helpful to you. Especially important for fertilizer and chemical use.

SMALL GRAINS - COMPLETE 4-H 626 Grades As Of January 1 Of Current Year

PROJECT

BEGINNER

Grades 3, 4, 5

REQUIREMENTS

A minimum of three activities each year. You may repeat one activity from the first year using a different grain.

EXHIBIT

Choose from the 7 options listed in the manual.

INTERMEDIATE

Grades 6, 7, 8 year.

A minimum of four activities each year. You may repeat one activity from earlier years. Do not conduct an activity more than two times with the same grain.

Choose from the 7 options listed in the manual.

ADVANCED

Grades 9 - 12

A minimum of five activities each year. You may repeat one activity from earlier years. Do not conduct an activity more than two times with the same grain.

Choose from the 7 options listed in the manual.

SOYBEANS

PROJECT

DIVISION I

REQUIREMENTS AND EXHIBITS

Complete three of the following activities: 1, 2, 3 or 13 in the 4-H Soybean Manual. EXHIBIT a poster (see Poster Hints in this Handbook) on "Germination Of The Soybean," or "Using The Soybean", or one quart of soybeans.

DIVISION II

Complete two of the following activities: 4, 7 or 14 in the 4-H Soybean Manual. EXHIBIT a poster (see Poster Hints in this Handbook) on "The

Effects of Light and Darkness on Flowering", or "Soybean Plant Nutrient Deficiencies', or "Preparing Soybeans for Home Use" or one quart of soybeans.

DIVISION III

Complete two of the following activities: 5, 6, or 14 in the 4-H Soybean Manual. EXHIBIT a poster (see Poster Hints in this Handbook) on "Differences in Flowering Among Soybean Varieties", or "How Planting Dates Affect Soybean Yields," or "Preparing Soybeans for Home Use," or one quart of soybeans.

DIVISION IV

Complete the following activities: 9, 10, 11 and 12 in the 4-H Soybean Manual. EXHIBIT a poster (see Poster Hints in this Handbook) on "Soybean Herbicide Survey," or "Soybean Insect Study," or "Soybean Disease Study, " or "Measuring Soybean Harvest Losses," or one quart of soybeans.

DIVISION V AND
ADVANCED

Grow at least five acres of soybeans using cultural practices described in current agronomy (AY) publications (available at the Extension Office). Keep accurate records using the 4-H Crops Record. Check with your 4-H Leader about specific co. requirements.

STRAWBERRY

DIVISION I

Exhibit one strawberry plant dug from your patch and planted in a 4" flower pot or similar container.

DIVISION II

Exhibit two quarts of whole, unsweetened frozen berries. These are to be harvested from your own patch.

TOBACCO

Grades 3 - 12 as of January 1 of current year
Requirements for exhibiting the Tobacco Project are to exhibit a stalk of tobacco with roots in a container. Check in your project on Monday of Fair week.

TOMATO

DIVISION I

One (1) plate of 6 tomatoes, picked for fresh use.

DIVISION II

Two (2) plates of 6 tomatoes - one plate of each variety, picked for fresh use.

DIVISION III

One-half peck basket of tomatoes, picked for fresh use, and 1 quart of home canned tomato juice.

DIVISION IV One-half peck basket of tomatoes, picked for fresh use, and 1 quart of home canned whole tomatoes.

DIVISION V One-half peck basket of tomatoes, picked for fresh use, and 1 pint of home canned tomato sauce, i.e. Ketchup, Chili Sauce, or Bar-B-Que Sauce.

DIVISION VI One-half peck basket of tomatoes, picked for fresh use, and 1 pint of a home canned tomato relish.

ADVANCED One-half peck basket of tomatoes, picked for fresh use, and 2 pints - 1 pint each of 2 different home canned tomato products of your choice.

OPTIONAL CLASS All divisions exhibit one (1) container tomato plant, bearing fruit.

Junior Grades 3, 4, 5, as of January 1 of current year

Intermediate Grades 6, 7, 8 as of January 1 of current year

Senior Grades 9, 10, 11, 12 as of January 1 of current year

Grow at least three (3) container tomato plants. Exhibit one (1) container tomato plant, bearing fruit.

This option is offered in addition to the requirements of the regular home consumer tomato project. Ribbons will be awarded. The exhibit will be judged separately from the regular project.