



## 2017-2018 Horticulture Contest Leader's Guide

The Horticulture Judging and Identification Contest is a great way to introduce youth to the world of plants. This contest is a training program concerned with teaching youth to recognize and identify some of the most important horticultural crops, to learn criteria influencing quality and to be able to answer questions and solve problems relating to the art and science of horticulture. There are four portions of the test, including knowledge, judging, identification and skill demonstration. The top ten senior participants from each county will be invited to participate in the State Horticulture Contest, held at the Delaware State Fair.

### Knowledge

The knowledge section tests the youth's understanding of basic horticulture principles. Questions that form the knowledge test come from Horticulture Project Book series. The challenge level of the questions will be reflective of the age division. The beginner division will cover the first book, book A. The senior division will cover information from all three levels, Level A, B and C.

Beginner Division: 15 questions--true-false, multiple choice type

Senior Division: 25 questions--true-false, multiple choice type

### Project Books

Level A- See Them Sprout

Level B- Let's Get Growing

Level C- Take Your Pick

Level D- Growing Profits

### Identification

The identification section will include samples will from each of the following groups

- Vegetables and Fruits/Nuts and Berries
- Annual and Perennial Flowers and Indoor Plants
- Landscape Plants and Trees
- Weeds 2017, Garden Pests 2018
  - <http://www.preen.com/weeds/de>
  - <http://garden.org/learn/library/pests/>
- Equipment

During the contest, beginner participants will be given a complete list of all items which could potentially appear. Senior participants will not be given a list. Specimens may be alive or preserved plant parts such as, but not limited to: stems, twigs, leaves, flowers, seeds, fruits, roots, bulbs, tubers, or plant products, or photos. Samples for each age division will also be reflective of their age ability.

Beginner Division (youth ages 9-11): Identify 5 samples from each category for a total of 25 samples

Senior Division (youth ages 12-19): Identify 10 samples from each category for a total of 50 samples

## **Judging**

Participants will judge one class of vegetables and one class of flowers. Seniors will be expected to provide written reasons for one designated class. Plates in each class will be numbered and participants will be expected to judge the specimens and rank the plates from first to last. Oral reasons will not be required of contestants. Each class is worth 50 points and written reasons will be worth 50 points.

## **Skill Demonstration – County Level Contest Only**

2017: Transplant a vegetable/flower from a cell pack to a small container  
(yearly for beginners, 2017 seniors)

2018: Take a cutting from a stock plant (2018 seniors only)

## **TRAINING**

Training 4-H'ers to participate in Horticulture Judging should be fun for all, as well as educational.

Suggested training activities include:

1. Take field trips to supermarkets, roadside stands, garden centers, public gardens, or gardening events to study vegetable, flower, and landscape plant quality judging and identification. You can also identify horticultural tools and supplies.
2. Hold training sessions in neighborhood gardens. Use these sessions to teach identification of vegetables, flowers, landscape plants, and pests in a hands-on setting. You can also harvest vegetables and flowers and use them to teach and practice judging. Consider using a well-landscaped area to teach about landscaping principles. Also take this as an opportunity to practice horticultural skills.
3. Collect various flowers, vegetables, landscape plant, and pest samples or have members bring in specimens from home for a training session.
4. Collect garden catalogs and use the photographs to teach identification. Make use of reference books, extension materials, and trade publications as training materials.
5. Invite Master Gardeners, garden club members, or horticulture professionals to speak to 4-H'ers.
6. Involve older 4-H'ers and teens in assisting with training. They can bring items to meetings, assist in teaching, arrange tours and make phone calls.

NOTE:

\*Beginner 2017

◆ Beginner 2018

Juniors will be provided the entire word bank listed here (without the yearly marks.) Seniors will not be given a word bank.

## Identification Study Lists

### Vegetables and Fruits/Nuts and Berries

Almond	Chives	Kumquat	Pea
Artichoke	Cranberry	Leek	Pepper, bell
Blackberry	Dill	Lemon	Plum
Black Walnut	Fig	Olive	Pomegranate
Brussels Sprouts	Filbert	Orange	Spinach
Butternut Squash	Horseradish	Parsnip	Swiss Chard

### Annual and Perennial Flowers and Indoor Plants

*African Violet	*Coleus	*Cosmos
◆Bachelor Button	◆Columbine	
	*Peony	*Snakeplant
◆Hosta	◆Philodendron	◆Tulip
*Iris	*Salvia	
◆Lily	◆Sedum	

### Landscape Plants and Trees

*Ash	*Hemlock	*Maple, Silver
◆Azalea	◆Hibiscus	◆Maple, Sugar
*Boxwood	*Honey Locust	*Redbud
◆Crape Myrtle	◆Juniper	◆Sweetgum
*Forsythia	*Lilac	*Wisteria
◆Ginkgo	◆Linden	◆Yew

### Weeds: 2017

*Barnyard grass	Henbit	*Stinging Nettle
Broadleaf Dock	*Pennywort	White Clover
*Corn Speedwell	Pineapple weed	*Wild Carrot
Fleabane	*Pokeweed	Wild Oat
*Groundsel	Red Sorrel	

### Garden Pests: 2018

◆Aphid	Leaf miner	◆Slug
Cabbageworm	◆Cutworm	Spider Mite
◆Corn Earworm	Mealybug	◆Pickleworm
Cucumber Beetle	◆Colorado Potato Beetle	Cabbage Looper
◆Japanese Beetle	Scale	◆Tomato Hornworm

### Equipment:

◆Anvil Pruners	*Lopping Shears	◆Spade
◆Garden Rake	◆Peat Moss	*Vermiculite
*Hedge Shears	◆Perlite	◆Hand Trowel
*Leaf Rake	*Shovel	*Soil Sample Pro