

SECTION 19
ORNAMENTAL HORTICULTURE

***PROJECT RECORD SHEETS REQUIRED FOR YOUTH BUILDING ENTRIES.**

A General Project Record or Cloverbud Project Record and an Exhibit Tag must accompany each exhibit entered in the Youth Building. A copy of the General Project Record and Cloverbud Project Record can be found on the Cornell Cooperative Extension web site at www.ccedelaware.org or can be picked up at Cooperative Extension, Hamden.

Exhibitors who wish to exhibit at State Fair should visit the State Fair web site at www.nysfair.org.

All ornamental horticulture exhibits will be judged on Monday as they are brought to the fair **before** they are displayed (prior to 7 p.m.). Each exhibitor is responsible for presenting his or her exhibit to the judge.

CUT FLOWERS

Up to eight (8) different entries may be exhibited in this class. Consist of three (3) stems with the same color blooms except as noted:

- Gladiolus – one (1) spike with at least 12” stem and other large spikes
 - Roses – one (1) stem of the type entered
 - Dahlias – three (3) blooms of one color, or one (1) bloom if over 6”.
- Any bloom 6” or larger – show one (1) specimen, such as a 6” plus sunflower or dinner plate Dahlia.

For more information on culture, consult:

- Gardens of Fabulous Flowers (1992)
- Stems should be 8” long, except where type of flower makes this impossible
- Flowers that do not last as cut flowers (daylilies, hollyhocks, impatiens, portulaca, etc.) may not be entered
- Blooms of weeds, wildflowers and shrubs will not be evaluated

FLOWER JUDGING GUIDELINES

A. Faults in entry: B. Uniformity is lacking:

- | | | |
|--------------------------|---------|---------|
| - Too many specimens | - age | - shape |
| - Too few specimens | - color | - size |
| - Variety name incorrect | | |

C. Flowers injured by:

- Disease.
- Insects.
- Handling.
- Dirt.- poor or no foliage - old

D. Other faults:

- imperfect - wilted
- short stemmed - small
- weak stemmed - too young

Class No.

- 2451 **Aster** - annual
- 2452 **Bachelor Button**
- 2453 **Calendula**
- 2454 **Carnation**
- 2455 **Chrysanthemum** - any form
- 2456 **Cleome**
- 2457 **Cosmos**
- 2458 **Dahlia**
- 2459 **Daisies**
- 2460 **Flowering Tobacco**
- 2461 **Gladiolus**
- 2462 **Larkspur**
- 2463 **Marigold**
- 2464 **Delphinium**
- 2465 **Asiatic Lily** – one (1) stem
- 2466 **Nasturtium**
- 2467 **Ornamental Grass** - foliage and fully developed seed head
- 2468 **Pansies**
- 2469 **Petunia**
- 2470 **Phlox** - annual
- 2471 **Rose**
- 2472 **Rudbeckia** - Coneflowers, Black-Eyed Susan
- 2473 **Snapdragon**
- 2474 **Statice** - fresh, not dried
- 2475 **Stock**
- 2476 **Strawflower** - fresh, not dried
- 2477 **Sunflower** – one (1) stalk cut 12” max - large flowered - over 6” diameter - seedless center
- 2478 **Sunflower** – one (1) stalk cut 8” max - flower head 4-6” diameter - seedless center
- 2479 **Sunflowers**
- 2480 **Sweet Peas**
- 2481 **Viola**
- 2482 **Zinnia**
- 2483 **Zinnia** – large - over 4”
- 2484 **Miscellaneous** - any other cut flower not listed - annual or perennial - display the same number of specimens as similar crop listed
- 2485 **A Collection of 6 Garden Cut Flowers** - not used in other cut flower entries – one (1) specimen of each variety - flowers named and variety listed - no wildflowers, weeds, or shrubs

INDOOR GARDENING

- Please list plants and plant materials used
- All items should follow recommended guides of balance, design, proportion and harmony
- No artificial or plastic plant materials allowed
- Ribbon and bows as part of the design are allowed
- Entries must be grown in display container prior to June 1 of the current year
- 2486 **Dish Garden**
- 2487 **Terrarium or Closed Eco System** - no endangered species allowed.

INDOOR GARDENING: HOUSE PLANTS

- Houseplants must be a single stem or crown in proportional container
- No artificial or plastic plant materials allowed
- Please list plant name
- Entries must be grown in display container prior to June 1 of the current year
- 2488 **Potted House Plant** - flowering
- 2489 **Potted House Plant** - foliage
- 2490 **Potted House Plant** - vine
- 2491 **Potted House Plant** - hanging container - more than one (1) plant accepted
- 2492 **Miniature House Plant** - 1¼ -3" pot maximum (example: miniature African Violet)

CONTAINER GARDENS

- No artificial or plastic plant materials allowed
- Appropriate container and plant combinations
- Please list plants included in container
- Entries must be grown in display container prior to June 1 of the current year
- 2493 **Container Gardens**
- 2494 **Perennial Annual, Vegetable, Ornamentals**

FRUITS AND NUTS

- All fruits and nuts must be cared for by exhibitors
Nuts grown in the previous year may be entered
For more information on culture, consult:
Strawberry Fields Forever"
- 2495 **Apples** – three (3) ripe - any single variety
 - 2496 **Apricots** – three (3) ripe
 - 2497 **Blueberries** – one (1) pint
 - 2498 **Cherries** – one (1) pint basket with stems - any single variety
 - 2499 **Elderberries** - attached to cluster – one (1) quart
 - 2500 **Grapes** – one (1) bunch
 - 2501 **Nectarines** – three (3) ripe
 - 2502 **Peaches** – three (3) ripe
 - 2503 **Pears** – three (3) ripe with stems - any single variety
 - 2504 **Raspberries** - ½ pint - any single variety
 - 2505 **Strawberries** – one (1) pint - caps on
 - 2506 **Other Minor Fruits** - such as quince or persimmon – three (3) ripe
 - 2507 **Miscellaneous** - any fruit not listed - display same number of specimens as similar crop listed
 - 2508 **Nuts** - all ripe – dry – unshelled - one (1) pint - any single variety
 - 2509 **A Collection of Three (3) Types** - such as three (3) different varieties of apples

FLORAL DESIGN

- List plants used in arrangement.
- 2510 **Dry or Fresh Flower Corsage** - in transparent bag
- 2511 **Table Arrangement of Live or Dry Plant Material** - not over 12" in diameter and under 8" in height
- 2512 **Holiday Decoration of Live, Dried or Natural Plant Material** - not more than 18" in diameter or 24" long
- 2513 **Plaques of Dried or Pressed Plant Material** - includes other craft projects made with real plant material (example: floral pictures)
- 2514 **Large Arrangements of Live or Dried Plant Material** - for arrangements over 12" in diameter and over 8" in height.

MINIATURE ARRANGEMENT

- List plants used in arrangement
- 2515 **Arrangement of Fresh or Dried Flowers** - less than 6" in height and diameter – including container

PLANT COLLECTIONS

- Developing a plant collection will help youth to learn to recognize and identify different plant species
- List variety, growing requirements, location of plant, where photo was taken and identification sources.

PRESERVED

- Plants must be pressed, mounted and labeled. To press plant material, it is best to use the method described in Pressed Flower Pictures (1982) or as described by a person who has experience collecting plant material
- A clear, protective overlay is helpful for many, but not all exhibits
- Weeds and other specimens mounted green (not pressed or dry) will not be evaluated
- Collection of plants may be on one side of ONE PIECE of poster board or like material, 22" x 28" in size, or in notebook binders with single specimens on 8 ½" x 11"
- Scrapbooks of accumulating years should have dividers between years - current year's exhibit should be clearly marked - current year exhibit will be judged
- List sources used to identify plants and plant materials
- Plants must be identified by common and scientific name
- 2517 **Leaf Twig** - with fruit, flowers and seed, if possible of ten (10) or more ornamental trees
- 2518 **Leaf Twig** - with fruit, flower and seed, if possible of the (10) or more ornamental shrubs
- 2519 **Leaf, Twig, and Illustration of Fruit or Nut** – the (10) or more fruit or nut plants
- 2520 **Ten Weeds** - common to lawns and flower beds
- 2521 **Ten Annual Flowers**
- 2522 **Ten Perennial Flowers**
- 2523 **Ten Wild Flowers**
- 2524 **Ten Seeds** - any single plant type - example: then (10) ornamentals, ten (10) fruits, etc.
 - clean and dried - not green
 - seeds must be harvested by exhibitor
 - a picture of plant must accompany seeds
 - list growing conditions required

MISCELLANEOUS COLLECTION

Horticulture Scrapbook (collection of plant pictures)

2525 **Beginner**

2526 **Intermediate**

2527 **Advanced**

-Entries will be judged according to similar project criteria

-May be cut from magazines or garden center catalogs, illustrated by your own drawings, photographed or photocopies

-Write in the front or back of the catalog where your images came from if you did not make them yourself (for example: Pictures are from W. Atlee Burpee 1998 seed catalog)

-This scrapbook makes an excellent study guide for the Horticulture Contest

-Each plant should be represented on its own 8 ½ "x11" page

-Catalog will be worth more if the picture (or perhaps more than one picture) shows different stages of growth (fruit and leaf, vegetable and flower, flower and leaf)

-Fasten pictures with clear tape, paper glue or rubber cement

-Pages must be bound in notebook binder

-Label with common name and brief description

-Consult NY Horticulture Contest Guidelines for the plants required in each class

-Beginners must include the fifteen (15) plants specified from each group – flowers and indoor plants; ornamentals, fruits and nuts, vegetable

-Intermediates must include the thirty (30) plants from each group

-Advanced participants must include all forty-five (45) plants from each group

LANDSCAPE PICTURES AND PLANS

Youth can display what they have learned about the elements of design and how plants can be grouped effectively for ornamental or edible purposes. It also offers an opportunity to display their garden record keeping

-All collections, pictures and plans will be enhanced by a clear, protective overlay

-Markers, colored pencils or paints may be used to embellish the landscape plan

2528 **Home Grounds Landscape Photographic Album** -
-Must have at least 6 "before" and 6 "after" pictures of current year's work

2529 **Plan or Map of Home Grounds**

-Drawn to scale

-Show things as they were at beginning of project

-A second map, with suitable and necessary notes, showing changes and improvements made

-In different colors, show changes and improvements yet to be made

-Indicate direction north on plan.

2530 **Plan or Map of Apartment Dwelling.**

-Drawn to scale, showing grounds as they are currently
-A second map, showing proposed changes that would improve existing grounds

-Where ground space is unavailable, a terrace or porch garden of containerized plants can be depicted

-Indicate direction north on plan

2531 **Plan of Annual and/or Perennial Flower Garden**

-Show varieties, name, placement, height and color

-Use scale no smaller than 1 inch equals 4 feet

-Indicate direction north on plan

2532 **Plan of Home Orchard** (tree fruit and/or berry crops)

-Show varieties, name, placement, height and time of fruiting

-Use scale no smaller than 1" equals 4'

-Exhibit should indicate current year's work - current year's work will be judged

-Indicate direction north on plan

2533 **Plan of Home Vegetable Garden**

-Show varieties, name, placement, height and approximate harvest times

-Succession of plants may be indicated by a tracing paper overlay

-Use scale no smaller than 1" equals 4'

-Indicate direction north

2534 **Plan of Community Service Beautification Project**

2535 **Garden Record Book**

-List plants chosen and varieties

-List reason for selection

-Garden design sketch, including lay-out, dimensions, and spacing

-Indicate direction north

-Photos showing before and after are helpful

EXPERIMENTS

The intent of this division is to generate an interest among young people in a science-based approach to horticulture

2536 **Propagation**

2537 **Breeding**

2538 **Soil Science**

2539 **Cultural Practices**

2540 **Miscellaneous** - Entries will be judged according to similar project criteria

Guidelines and suggestions for the exhibitor working with plants

Background – Describe why you did this experiment and why it is important to you and other people

The Question (or hypothesis) – What specific question does your experiment try to answer – (example: "Does watering geraniums with coffee increase their growth?")

Methods – Outline you did the experiment - include:

a. **Treatments** – Describe specifically what you are comparing as treatments - remember that you should have a check treatment (what is usually done) and the 'test' treatment - from the above question: check = watering with water, and treatment = watering with coffee

b. **Measurements** – Describe what you are measuring (weight, height, etc.) and why - include observations of the plants over the course of the experiment

Results

a. What did your measurements tell you about the treatment compared to the check? - was there a difference and if so, why do you think so? - use tables, graphs or pictures to share what you learned

b. What other things did you notice in your observations?

Conclusions

What did you learn? - what is important about your results to other people? - what would you suggest to someone else, based on what you learned?

The Display should be interesting, attractive and neat, so that people will want to stop and learn about what you did - it should:

-Include actual examples of treated and untreated plants, if possible, otherwise use drawings or photographs

-On sheets of paper, describe your study using the above five (5) sections

-Use big print so that it is easy to read from 3' away

-Glue these sheets, along with any photos or graphs to heavy poster paper (14" x 22" minimum) for display

FIELD CROPS

-Sample of hay must be well cured, not moist

-Grasses, legumes and silage crops will be judged on the basis of their values as forage or silage

-Exhibits should be displayed in either tightly packed, clean baskets or slice of bale with approximately dimension 8' x 10' x 14', or as described

2541 **Oats** – one (1) peck

2542 **Wheat** – one (1) peck

2543 **Any Other Small Grains**

2544 **Field Corn** – three (3) ears

2545 **Haylage** - quart jar with mixture names on entry card

2546 **Corn Silage** - quart jar with mixture names on entry card

2547 **Alfalfa**

2548 **Clover**

2549 **Birdsfoot Trefoil**

2550 **Timothy**

2551 **Mixed Hay** - state mixture on entry card

2552 **Feeds Suitable for a 4-H Animal Project**

-Project must be specified, feed sampler attractively displayed on a board - nutritional value and use of each sample must be described

-Miscellaneous entries will be judged according to similar project criteria

2553 **Photo Record Book**

-Photos must be taken by 4-Her

-A minimum of twenty (20) photos - collection of twenty (20) plants can be a combination of several types of plants, such as trees, shrubs, weeds, annuals, perennials, fungi, etc.

-Identify common and scientific names

2554 **Any Other Approved 4-H Project or Article**

(in section 019) made as a part of a related 4-H project that does not fit any other class