

HORTICULTURE
(includes Vegetable Crops and
Ornamental Horticulture)
SECTION – SD

Judging: Monday, 2:30 p.m. - 7:00 p.m.

Premiums: Blue – 6 units; Red – 4 units; White – 2 units

- Exhibits will be evaluated on communicating the process that was followed, skills that were developed, observations that were made, and overall attractiveness of exhibit.
- All exhibitors are encouraged to accompany exhibits during judging.
- Any Horticultural exhibit chosen for State Fair may be substituted for another flower or vegetable that is in bloom or ripe at the time of the State Fair. The exhibitor may send up to five separate horticulture exhibits to State Fair.
- **Please read directions carefully as to how the exhibits should be presented!** (i.e. Tomatoes – 3 Ripe, stems off, or gladiolas - one spike at least 12 inches)
- Entry tags must be completely filled out on top and bottom. Entries with incomplete tags will not be judged.

PLANT COLLECTIONS – SDA

- All plants must be pressed, dried, mounted and labeled. All collections, pictures, and plans must have a clear, protective overlay.
- Weeds and other specimens mounted green (not pressed) will not be judged.
- Collections of plants may be on one side of ONE PIECE of poster board or like material, 22"x28" in size, or in notebook binders with single specimens on pages 8½"x11".

CLASS NUMBER

- SDA-1 **LEAF, TWIG, (AND FRUIT, FLOWER AND SEED, IF POSSIBLE)** - of ten or more ornamental trees
- SDA-2 **LEAF, TWIG, (AND FRUIT, FLOWER AND SEED, IF POSSIBLE)** - of ten or more ornamental shrubs
- SDA-3 **LEAF, TWIG AND ILLUSTRATION OF FRUIT OR NUT** – of ten or more fruit or nut plants
- SDA-4 **TEN WEEDS COMMON TO LAWNS AND FLOWER BEDS**
- SDA-5 **TEN ANNUAL FLOWERS**
- SDA-6 **TEN PERENNIAL FLOWERS**
- SDA-7 **TEN WILD FLOWERS**
- SDA-8 **TEN SEEDS** - (any single plant type, i.e., 10 ornamentals, 10 fruit, etc.)

HORTICULTURE SCRAPBOOK

- A collection of 45 plant pictures. They may be cut from magazines, garden center catalogs, illustrated, photographed or photocopies.
- Participants must submit an individually prepared exhibit from one of the 4 classes listed below.
- Single pictures can be fastened to an 8-1/2 x 11 page; no more than 2 pictures per page. Fasten with clear tape, paper glue or rubber cement.
- All pages must be bound in notebook binder.
- Label with common name and brief description. Consult NY Horticulture Contest Guidelines (available from the 4-H office) for plants that are required in each class.
- Beginners must include the 15 plants specified from each group (flowers and indoor plants; ornamentals; fruits and nuts; vegetables).
- Intermediates must include the 30 plants from each group.
- Advanced participants must include all 45 plants from each group

- SDA-9 **BEGINNER**
- SDA-10 **INTERMEDIATE**
- SDA-11 **ADVANCED**
- SDA-12 **MISCELLANEOUS COLLECTION**

EXPERIMENTS – SDB

- The intent of this division is to generate an interest among young people in a science-based approach to horticulture.
- Both how you plan your experiment and the final description for your display should include the following sections:
 - 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? For example: “Does watering geraniums with coffee increase their growth?”
 - Methods:** Outline how you did the experiment. Be sure to 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) Measurement. 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 5 sections
 - Use big print so that it is easy to read from 3 feet away
 - Glue these sheets, along with any photos or graphs to heavy poster paper (at least 14” x 22”) for display.

Consult for project ideas, but do not feel limited to these:

“Factors Influencing Seed Germination”

“Cultural Experiments in Vegetable Crops”

“Propagating Annuals, Perennials and Shrubs from Cuttings, Using a Heat Flat”

“Exploring the World of Plants and Soils”

“Strawberry Yields Forever”

SDB-1

PROPOGATION

SDB-2

BREEDING

SDB-3

SOIL SCIENCE

SDB-4

CULTURAL PRACTICES

SDB-5

MISCELLANEOUS

GARDEN ENTRIES – SDC

- Each exhibit must be grown by the exhibitor.
- Limit of 3 per vegetable type, each of these entries must be a distinctly different variety (ie. Winter Squash – Butternut, Spaghetti and/or Golden Nugget).
- **Each exhibit must be labeled with the correct variety name both on Entry Form and on top and bottom of Entry Tag. Entries not listing, or an incorrect variety name, will be dropped one ribbon placing.**
- All exhibitors must accompany the exhibits during the judging.
- Exhibitors are encouraged to consult the reference “Vegetable Fare” for guidelines.
- Exhibitors with vegetables which receive a blue award are eligible to take any mature vegetables to State Fair.
- Awards will be based on the following standards:
 - EXCELLENT** (Blue Ribbon) - clean; only very minor defects in general appearance; best market size and quality; true to varietal characteristics. For exhibits with more than one specimen: not more than 10 percent variation in sizes for fruits and vegetables; uniform in shape, color and degree of maturity.
 - GOOD** (Red Ribbon) - clean; slight defects in general appearance; defective and unusable parts should not exceed 5 percent; good market size and quality; For exhibits with more than one specimen: not more than 25 percent variation in sizes for fruit and vegetables; only slightly detectable variation in shape, color and degree of maturity.
 - WORTHY** (White Ribbon) - fairly clean; some defects in general appearance; defective and unusable parts should not exceed 10 percent; fair market size and quality. For exhibits with more than one specimen; not more than 100 percent variation in sizes for fruits and vegetables; noticeable variation in shape, color or degree of maturity.
 - NO AWARD** - dirty; serious damage apparent; defective and unusable parts exceed 10 percent; unsatisfactory market size or quality. For exhibits with more than one specimen; more than 100 percent variation in sizes for fruits and vegetables; extreme differences in shape, color or degree of maturity.

GARDEN VEGETABLES

SDC-1

VEGETABLES

- **BEANS** - lima, 6 green pods containing edible beans
- **BEANS** - snap, green, 10 pods
- **BEANS** - snap, yellow, 10 pods
- **BEANS** - snap, pole or vining type, 10 pods
- **BEANS** - green shell, 10 pods, any variety including edible soy, Horticultural, Kentucky Wonder
- **BEANS** - dry shelled, ½ cup in container, dry field bean variety, including mung, adzuki, fava
- **BEETS** – 3, tops trimmed to 1 inch, no green shoulders
- **BROCCOLI** - 1 head or bunch of small heads, 5 inches or more in diameter
- **BRUSSEL SPROUTS** - 1 pint basket
- **CABBAGE** - 1 head, 2 to 4 pounds, with 3 to 4 wrapper leaves, any fresh market variety
- **CARROTS** - 3, tops trimmed to 1 inch, no green shoulders
- **CAULIFLOWER** - 1 head, leaves cut just above head
- **CELERY** - 1 plant, market quality, roots off
- **CHARD** - 1 plant, roots and damaged leaves off
- **CHINESE CABBAGE** - 1 head
- **CHINESE CABBAGE** - loose leaf, roots off, 1 plant
- **CORN** - Sweet, 3 ears, husks removed, shank trimmed to ½ inch, display in transparent bag
- **CUCUMBERS** - 2 slicing types, 5 inches or longer, 2 inches or less in diameter
- **CUCUMBERS** - 5 pickling type, 3 to 5 inches long
- **CUCUMBERS** - 10 pickling types, less than 3 inches long
- **DILL** - bunch of 6 seed heads, tied or in transparent bag
- **EGGPLANT** - 1 large oval and oblong types such as Black Beauty, Black Magic, Black Enorma, Dusky
- **EGGPLANT** - 2 small, slender and round types such as Easter Egg, Ichiban, Long Tom, White Beauty
- **ENDIVE** - 1 plant, roots off, good market size
- **GARLIC** - 3 bulbs, dried, braided together or tops trimmed to 1 inch, cleaned but not peeled
- **HERBS** - any kind, plant in pot or tied bunch
- **KALE** - 1 plant, roots off
- **KOHLRABI** - 2, tops and tap root trimmed to 2 inches

- **LEEK** - 3 large, trimmed
- **LETTUCE** - leaf, 1 plant, roots off, good market size
- **LETTUCE** - head, 1 plant, roots off, good market size
- **MUSKMELON** - and honey dew melon, 1, good market quality
- **MUSTARD** - 1 plant, roots off
- **OKRA** - 6, 1½ to 3 inches long
- **ONIONS** - bulbs, 3, tops trimmed to ½ inch, well cured and dried, not peeled
- **ONIONS** - 6, green bunching type, tops on but trimmed evenly
- **PARSLEY** - 1 plant, roots off, good market size and quality
- **PARSNIPS** - 3 tops trimmed to 1 inch
- **PEAS** - 10 pods
- **PEPPERS** - 2, large types such as Bell, Cubanelle, Italian Sweet
- **PEPPERS** - 3, small types such as Banana, Hungarian Wax, Cherry, Jalapeno
- **POTATOES** - 3 tubers, 5 to 10 ounces
- **POTATOES** - 1 pint basket, salt potato types, ¾ to 1¼ inch diameter
- **PUMPKIN** - 1 ripe, any variety
- **RADISH** - 1 pint basket, tops trimmed to ½ inch
- **RHUBARB** - 6 stalks, tops trimmed
- **RUTABAGA** - 1, tops trimmed off
- **SHALLOT** - 3, tops trimmed to ¼ inch, dried, not peeled
- **SPINACH** - common, ½ pound in transparent bag
- **SPINACH** - New Zealand, ½ pound, bunch or tender tips 3 to 6 inches long, tied or in transparent bag.
- **SQUASH** - summer, 2, young, skin tender, such as zucchini, yellow, scallop
- **SQUASH** - winter, 1, any large types such as Hubbard, Delicious, Banana
- **SQUASH** - winter, 2, any small types such as Buttercup, Butternut, Spaghetti, Golden Nugget
- **SQUASH** - 1, soft and round stem, such as Big Max, Big Moon, Mammoth
- **SWEET POTATOES** - 3 roots, any variety
- **TOMATOES** - 3, ripe, stems off, medium and large fruited varieties including Roma types
- **TOMATOES** - cherry, ripe, 1 pint basket, stems off, also Presto and small fruited types
- **GREEN TOMATOES** - 3, stems off, any variety
- **TURNIPS** - 3, tops trimmed to 1 inch
- **WATERMELON** - 1, mature, market size
- **A COLLECTION OF 3 RELATED TYPES** - such as 3 varieties of pepper, or 3 vegetables that appear in an ethnic cuisine
- **MINIATURE VEGETABLES** - 6 of one type, harvested at small or baby stage
- **ORNAMENTAL VEGETABLES** - 3, such as miniature pumpkins, gourds, decorative corn; ornamental kale (1 specimen)
- **HEIRLOOM VEGETABLES** - any variety from the Heirloom Garden bulletin, exhibited in same manner as other vegetable classes
- **MISCELLANEOUS** - any other vegetable not listed, display same number of specimens as similar crop listed

SDC-2

VEGETABLE ART

Vegetable character

Sculpture

Geometric design

Neatness of assembly

Number of Horticulture products used

Imaginative use of plants and plant materials

Overall appearance

CUT FLOWERS

- An exhibit shall consist of 3 stems with the same color blooms except as noted:
 - Gladiolus - an entry is ONE spike with at least 12 inch stem.
 - Roses - an entry is ONE stem of the type listed
 - Dahlias - an entry is THREE blooms of one color, or ONE bloom if over 6 inches
- Stems should be eight inches long, except where type of flower makes this impossible. Flowers that do not last as cut flowers (hollyhocks, impatiens, portulaca) may not be entered. Blooms of weeds, wild flowers and shrubs will not be judged.
- Cut Flowers should be exhibited in an attractive container.
- **VARIETY NAME MUST BE LISTED FOR ALL CUT FLOWER ENTRIES. Entries not listing, or an incorrect variety name, will be dropped one ribbon placing.**
- All flower and houseplant entries must be accompanied with a card, stating: name of plant; variety of plant or flower; color; date planted or started.
- Any Exhibitor of flowers which receive a blue placing is eligible to take any mature flower to State Fair.

SDC-3

CUT FLOWERS

- | | |
|--|---|
| <ul style="list-style-type: none"> - <u>ASTER</u> - <u>BACHELOR BUTTON</u> - <u>CALENDULA</u> - <u>CHRYSANTHEMUM (ANY FORM)</u> - <u>CLEOME</u> - <u>RUDBECKIA (BLACK EYED SUSAN)</u> - <u>DAHLIA</u> - <u>FLOWERING TOBACCO</u> - <u>GLADIOULUS</u> - <u>LARKSPUR</u> - <u>MARIGOLD- FRENCH</u> - <u>MARIGOLD- AFRICAN</u> - <u>MARIGOLD - HYBRID</u> - <u>NASTURTIUM</u> - <u>ORNAMENTAL GRASS</u>
<u>(Foliage & Fully Developed Seed Head)</u> | <ul style="list-style-type: none"> - <u>PETUNIA</u> - <u>PHLOX-ANNUAL</u> - <u>ROSE, HYBRID TEA</u> - <u>ROSE, FLORIBUNDA</u> - <u>ROSE, GRANDIFLORA</u> - <u>SNAPDRAGON</u> - <u>STATICE (FRESH, NOT DRIED)</u> - <u>STOCK</u> - <u>STRAWFLOWER (FRESH, NOT DRIED)</u> - <u>SUNFLOWERS</u> - <u>SWEET PEAS</u> - <u>ZINNIA, BABY - UNDER 2"</u> - <u>ZINNIA, MEDIUM - 2-4"</u> - <u>ZINNIA, LARGE - OVER 4"</u> - <u>MISCELLANEOUS</u> – any other cut flower not listed, annual or perennial, display the same number of specimens as similar crop listed. |
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SDC-U97
SDC-U98

COLLECTIONS OF 8 DIFFERENT GARDEN CUT FLOWERS

GOURDS - 5 mature specimens

INDOOR GARDENING

- House plants and Garden plants must be started and grown by the Member.
- House plants must be single stem or crown in proportional container. All items should follow recommended guides of balance, design, proportion and harmony.
- Hanging plants may be one or more plants of the same type in an attractive looking proportional container or basket.
- No artificial or plastic materials allowed in any entry. Ribbon and bows as part of design are allowed.
- Please list plant materials used on a separate piece of paper and attach it to your yellow Project Record Summary

SDC-99
SDC-100
SDC-101
SDC-102
SDC-103
SDC-104
SDC-105
SDC-106

POTTED HOUSE PLANT - flowering

POTTED HOUSE PLANT - foliage

POTTED HOUSE PLANT - vine

POTTED HOUSE PLANT - hanging container, more than 1 plant accepted

MINIATURE HOUSE PLANT - 2-1/4" - 3" pot maximum. i.e. miniature African Violet

DISH GARDEN

TERRARIUM OR CLOSED ECO SYSTEM

PLAQUE OF DRIED OR PRESSED PLANT MATERIAL - includes other craft projects made with **real** plant material (i.e. floral pictures)

SDC-110 **CONTAINER GARDENS** - perennial, annual, vegetable, ornamental. No artificial or plastic plant materials allowed. Appropriate container and plant combinations. List plants included in container.

FLORAL DESIGN

- List plants

SDC-113 **DRY OR FRESH FLOWER CORSAGE** - Displayed in transparent bag

SDC-114 **TABLE ARRANGEMENT** - Live or dry plant material - not over 12" in diameter and under 8" in height

SDC-115 **HOLIDAY DECORATION** - Live, dried or natural plant materials – no more than 18" in diameter or 24" long

SDC-116 **PLAQUE** - Dried or pressed plant material; includes other craft projects made with *real* plant material (e.g. floral pictures).

SDC-117 **LARGE ARRANGEMENT** - Live or dried plant material - for arrangements over 12" in diameter and over 8" in height.

SDC-118 **MINIATURE ARRANGEMENT** - Fresh or dried flowers - less than 6" in height and diameter, including container. List plants used.

SDC-119 **OPEN CLASS EXHIBIT** – Exhibits deemed worthwhile but fall outside the categories described above. The decision to bring such exhibits is left to the discretion of the 4-H Educator. List plants used.

FRUITS & NUTS

- All fruits and nuts must be cared for by exhibitors.

- Nuts grown in the previous year may be entered.

SDC-120 **APPLES** - 3, ripe, any single variety

SDC-121 **APRICOTS** - 5, ripe

SDC-122 **BLUEBERRIES** - 1 pint

SDC-123 **CHERRIES** - 1 pint basket, with stems, any single variety

SDC-124 **ELDERBERRIES** - attached to cluster, 1 quart

SDC-125 **GRAPES** - 1 bunch

SDC-126 **NECTARINES** - 4, ripe

SDC-127 **PEACHES** - 4, ripe

SDC-128 **PEARS** - 3, ripe, with stems, any single variety

SDC-129 **RASPBERRIES** - ½ pint, any single variety

SDC-130 **STRAWBERRIES** - 1 pint, caps on

SDC-131 **OTHER** - minor fruits such as quince or persimmon, 4, ripe

SDC-132 **MISCELLANEOUS** - any fruit not listed, display same number of specimens as similar crop listed

SDC-133 **NUTS** - ripe, dry, unshelled, 1 pint, any single variety

SDC-134 **A COLLECTION OF 3 TYPES** - such as 3 different varieties of apple

AGRONOMY – SDD

Ulster County Only, Not eligible for State Fair

Judging: Monday, 2:30 p.m. - 7:00 p.m.
Premiums: Blue – 6 units; Red – 4 units; White – 2 units

FIELD CROPS

- 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 approximate dimension of 8x10x14, or as described.

CLASS NUMBER

SDD-1	<u>OATS</u> - 1 Peck
SDD-2	<u>WHEAT</u> - 1 Peck
SDD-3	<u>ANY OTHER SMALL GRAIN</u> – (e.g. soy beans, kidney beans, sugar beets, etc.)
SDD-4	<u>FIELD CORN</u> - 3 ears (e.g. yellow corn, white popcorn, pearl popcorn)
SDD-5	<u>HAYLAGE</u> - Quart jar with mixture names on entry card
SDD-6	<u>CORN SILAGE</u> - Quart jar with mixture names on entry card
SDD-7	<u>ALFALFA</u>
SDD-8	<u>CLOVER</u>
SDD-9	<u>BIRDSFOOT TREFOIL</u>
SDD-10	<u>TIMOTHY</u>
SDD-11	<u>MIXED HAY</u> - State mixture on entry card

HORTICULTURAL METHODS – SDE

- Poster (at least 14" x 22") or poster series format is required.
- Poster should depict, using photos or drawings, the specific methods used.
- An exhibit of the method itself (such as a small hydroponics set-up) can be displayed.
- A project description is required.
- Consult the following publication available through the 4-H Office for display ideas: "Container Gardening", "Grow with the Flow"

SDE-1	<u>HYDROPONIC GARDENING</u>
SDE-2	<u>SEASON EXTENDER METHODS</u>
SDE-3	<u>PROPOGATION</u>
SDE-4	<u>MISCELLANEOUS</u> - any horticultural method not listed

LANDSCAPE PICTURES & PLANS – SDF

- All collections, pictures and plans must have a clear protective overlay.
- Markers, colored pencils or paints may be used to enhance the landscape plan.

SDF-1	<u>HOME GROUNDS LANDSCAPE PHOTOGRAPHIC ALBUM</u> - at least 6 "before" and 6 "after" pictures of current year's work.
SDF-2	<u>PLAN OR MAP OF HOME GROUNDS</u> - drawn to scale, showing things as they were at the beginning of the 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. See "Young People's Guide to Landscaping", M-7-1.
SDF-3	<u>PLAN OR MAP OF APARTMENT DWELLING</u> - 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.

- SDF-4 **PLAN OF ANNUAL AND/OR PERENNIAL FLOWER GARDEN** - showing varieties, name, placement, height and color; use scale no smaller than 1 inch equals 4 feet. Indicate direction north on plan.
- SDF-5 **PLAN OF HOME ORCHARD (TREE FRUIT AND/OR BERRY CROPS)** - showing varieties, name, placement, height and time of fruiting; use scale no smaller than 1 inch equals 4 feet. Exhibit only current year's work. Indicate direction north on plan.
- SDF-6 **PLAN OF HOME VEGETABLE GARDEN** - showing 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 inch equals 4 feet. Indicate direction north.
- SDF-7 **DRAWINGS AND PLAN OF COMMUNITY SERVICE BEAUTIFICATION PROJECT**
- SDF-8 **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.
- SDF-9 **HORTICULTURE OPEN CLASS:** Class is an option for exhibits that fall outside the categories described above.