

# Illinois Association of Vocational Agriculture Teachers Horticulture Career Development Event

## A. General Information

1. **Team:** A team shall consist of five (5) members. The five individual scores are added together for a team score.
2. **Placings/Scoring:**
  - a. Official placings and reasons will be given immediately following completion of the career development event.
  - b. The horticulture career development event is about equally balanced with approximately 50% of the points based on the participant's knowledge of floriculture and 50% of the points based on the participant's knowledge of landscaping.
  - c. Practicums will be scored and count as part of the participant and team score.
3. **Scorecards:** The Scantron card used in the event will be *Multi Purpose B – CDE form #228576*.
4. **Miscellaneous:**
  - a. The first place FFA team in the state takes its choice of the two divisions (Floriculture or Nursery/Landscape) for the national FFA competition.
  - b. The second place FFA team in the state CDE will be offered the other division.
  - c. Participants should have clipboards and #2 pencils for use during the CDE.
  - d. Participants may use non-programmable (will not store formulas), battery operated calculators if provided by the participant.
  - e. Calculators may not be shared.
5. **Additional Information:** Refer to the "Annual Information and General Rules Section" for the current year for information concerning **Entry Fees, Registration** and **Location** of the career development event.
6. **Preregistration is required.** Watch *News & Notes* and the *AgEd Listserve* for event details and a preregistration form. Each agriculture teacher with either a participant or a team in the Horticulture Career Development Event must submit an entry form and non-refundable registration fees in advance of the announced deadline to the IAVAT office. Preregistration forms may be downloaded at [www.aces.uiuc.edu/itcs/im](http://www.aces.uiuc.edu/itcs/im) or [www.iavat.org](http://www.iavat.org). Deadline dates for preregistration will be published by ITCS Instructional Materials in *News & Notes* and in the *IAVAT Calendar of Events*.

## B. Career Development Event Format and Cards Used

1. Judge eight (8) classes as follows: (25 points each)
  - a. **One** class of cut flowers\* which may include:
 

1. Carnation	3. Snapdragon
2. Gladiolus	4. Spray mum
  - b. **Two** classes of flowering container plants\* which may include:
 

1. Pot mum	4. African violet
2. Geranium	5. Kalanchoe
3. Azalea	6. Cyclamen
  - c. **One** class of foliage plants\* which may include:
 

1. Jade plant	5. Dumbcane
2. Peperomia	6. Weeping fig
3. Philodendron	7. Pilea
4. Rubber plant	8. Schefflera
  - d. **One** class of ground covers\*\* which may include:
 

1. Ajuga -- <i>Ajuga reptans</i>	4. Sedum -- <i>Sedum</i> species
2. Ivy -- <i>Hedera helix</i>	5. Wintercreeper euonymus - <i>Euonymus fortunei</i>
3. Barren strawberry -- <i>Waldsteinia ternata</i>	6. Vinca -- <i>Vinca minor</i>

- e. **One** class of deciduous trees or shrubs\*\* which may include:
- |  |  |
|--|--|
| 1. Maple -- <i>Acer species</i>            | 6. Potentilla -- <i>Potentilla species</i>                       |
| 2. Ash -- <i>Fraxinus species</i>          | 7. Flowering fruit trees (i.e., crabapple, hawthorn, plum, etc.) |
| 3. Linden -- <i>Tilia species</i>          | 8. Viburnum -- <i>Viburnum species</i>                           |
| 4. Burning bush -- <i>Euonymus species</i> |  |
| 5. Barberry -- <i>Berberis thunbergii</i>  |  |

- f. **Two** classes of evergreen trees, shrubs, or broadleaf plants\*\* which may include:

<b>Trees</b>	<b>Shrubs</b>	<b>Broadleaf Plants</b>
1. Spruce	1. Arborvitae	1. Rhododendron
2. Pine	2. Juniper	2. Boxwood
3. Yew	3. Yew	3. Holly
4. Juniper		

2. Complete a written examination on general horticulture. This exam consists of 50 multiple choice and/or True/False questions; a Scantron sheet is used to record student responses to questions (100 points).
3. Identify 50 plant materials which may include: (300 points)
- |   |                            |                         |
|---|----------------------------|-------------------------|
| a. Bulbs, undergrounds stems, or plants | e. Cut flowers and foliage | i. Deciduous shrubs     |
| b. Bedding plants                       | f. Herbs                   | j. Deciduous trees      |
| c. Foliage plants                       | g. Herbaceous perennials   | k. Broadleaf evergreens |
| d. Flowering container plants           | h. Ground covers and vines | l. Coniferous plants    |
- Note:** The code sheet that is used to identify the plant materials on the Scantron card is attached with these rules.
4. Each participant will complete one (1) floriculture and one (1) landscape practicum (100 points per practicum).

## B. Sample Practicums

### 1. Floriculture

#### a. Make and Package a Corsage

Make and package a corsage, with a retail value of up to \$15.00. The type of corsage and information about the corsage will be announced by the CDE superintendent at the beginning of the practicum. All plant and non-plant materials needed to construct and package the corsage will be provided. Participants should be knowledgeable and possess skills to make a corsage. Participants will be allowed sufficient time, not to exceed thirty-five (35) minutes, to complete the construction of the corsage and complete an itemized bill.

#### b. Floral Arrangement

Make a flower arrangement, with a retail value of up to \$35.00. The type of arrangement will be announced by the CDE superintendent. All plant and non-plant materials needed to construct the arrangement will be provided. Participants will be allowed sufficient time, not to exceed thirty-five (35) minutes, to complete their arrangements and prepare itemized bills.

Participants will be provided the retail price of the flowers and foliage they will use in their arrangements at the beginning of the practicum. The markup will be built into the retail price of the flowers and foliage used in the arrangement. The retail cost of flowers and foliage given to the participant will be determined by horticulture staff at the University of Illinois.

#### c. Identifying and Controlling Plant Disorders

Each participant will be given a plant with a nutritional, environmental, disease, or insect disorder. If the disorder is nutritional or environmental, the participant will identify the disorder and prescribe treatment. If the disorder is caused by a disease or insect, the participant will describe the preparation and application of a treatment for the disorder. Participants will be allowed sufficient time, not to exceed thirty-five (35) minutes, to complete this practicum.

## 2. Landscape

### a. Landscape Drawing

This practicum is designed to evaluate participants' knowledge of and ability in 1) evaluating a landscape design, 2) reading a landscape drawing, 3) measuring and calculating materials needed to execute a landscape plan, and 4) evaluating factors that affect profitability of a landscape business.

A landscape drawing and scratch paper will be provided to the participants. There will be 10 objective questions about the landscape plan. The questions may include, but are not limited to, such areas as determining how accent was provided in the public area, the form and size specified for a certain plant, the cost of fencing, the number of patio pavers required, the area of sod to be installed, the volume of mulch required, and the labor cost to install a ground cover bed. Participants will be allowed sufficient time, not to exceed thirty-five (35) minutes, to complete this practicum.

### b. Pruning Nursery Stock

This practicum is designed to evaluate participants' knowledge of and ability in 1) assessing the problem presented, 2) reviewing alternative courses of action based on individual knowledge or reference information provided, and 3) deciding on a solution. Possible solutions will be presented in multiple-choice form for the participant to mark on a score sheet.

One or more nursery plants will be displayed with points marked for possible pruning cuts. No plant will actually be pruned. Participants are to evaluate each labeled point and decide if the plant part should be pruned or not for the improvement of the plant's health, form, and overall quality. The answer choice then will be the combination of cuts that should be made.

Participants will be allowed sufficient time, not to exceed thirty-five (35) minutes, to complete this practicum.

## C. Suggested References

### 1. Information Technology and Communication Services (ITCS)

Numerous slide sets, filmstrips, subject matter units, transparency sets, and photo CDs are available from Information Technology and Communication Services (ITCS), 1401 S. Maryland Drive, Urbana, Illinois 61801. (800) 345-6087 FAX (217) 333-3917 or available on the World Wide Web (<http://www.aces.uiuc.edu/itcs/im>).

### 2. Miscellaneous

Dirr, M.A. 1998. *Manual of Woody Landscape Plants*. Stipes Publishing Co., 10-12 Chester St., Champaign, IL

Griffiths, M. 1994. *Index of Garden Plants*. Timber Press, Inc., Portland, OR

Hartmann, H.T. & D.E. Kester. 2002. *Plant Propagation*. Prentice-Hall, Inc., Englewood Cliffs, NJ.

Janick J. 1986. *Horticultural Science*. W.H. Freeman and Company, San Francisco, CA.

Schrock, D. (editor), 2001. *Illinois Master Gardener Manual*. ITCS Instructional Materials, University of Illinois, Urbana, IL

Still S. 1995. *Manual of Herbaceous Ornamental Plants*. Stipes Publishing Co., 10-12 Chester St., Champaign, IL

### 3. Judging Guides

\* Classes 1a through 1c shall be judged according to:

University of Wisconsin at River Falls. A manual for flower judging (Pi Alpha Xi), eighth edition. Department of Plant and Earth Science, River Falls, WI 54022. (715)425-3345

\*\* Classes 1d through 1f shall be judged according to:

American Association of Nurserymen. 1973. American Standards for Nursery Stock. AAN, 230 Southern Building, Washington, DC.

### 4. Other

*Career Development Events Handbook 2001-2005*. National FFA Organization, P.O. Box 68960, 6060 FFA Drive, Indianapolis, IN.46268-6060.

**BULBS, UNDERGROUND STEMS, OR PLANTS**

- 101 Amaryllis
- 102 Caladium
- 103 Canna
- 104 Crocus
- 105 Dahlia
- 106 Gladiolus
- 107 Hyacinth
- 108 Bearded Iris
- 109 Lily
- 110 Narcissus
- 111 Tuberous Begonia
- 112 Tulip

**BEDDING PLANTS**

- 113 Ageratum, *Ageratum houstonianum*
- 114 Cabbage, *Brassica oleraceae* v. *capitata*
- 115 Celosia, *Celosia* species
- 116 Coleus, *Coleus* species
- 117 Dusty Miller, *Senecio cineraria*
- 118 Green Pepper, *Capsicum grossum*
- 119 Impatiens, *Impatiens wallerana*
- 120 Ivy Geranium, *Pelargonium peltatum*
- 121 Lobelia, *Lobelia erinus*
- 122 Marigold, *Tagetes* species
- 123 Moss Rose, *Portulaca grandiflora*
- 124 New Guinea Impatiens, *Impatiens* species
- 125 Pansy, *Viola x wittrockiana*
- 126 Periwinkle, *Catharanthus roseus*
- 127 Petunia, *Petunia x hybrida*
- 128 Regal Geranium, *Pelargonium x domesticum*
- 129 Salvia, *Salvia splendens*
- 130 Snapdragon, *Antirrhinum majus*
- 131 Sweet Alyssum, *Lobularia maritima*
- 132 Tomato, *Lycopersicon esculentum*
- 133 Wax or Fibrous-rooted Begonia, *Begonia x semperflorens-cultorum*
- 134 Zinnia, *Zinnia elegans*
- 135 Zonal Geranium, *Pelargonium x hortorum*

**FOLIAGE PLANTS**

- 136 Aloe Vera, *Aloe barbadensis*
- 137 Aluminum Plant, *Pilea cadierei*
- 138 Artillery Plant, *Pilea microphylla*
- 139 Boston Fern, *Nephrolepis exaltata*  
'Bostoniensis'
- 140 Chinese Evergreen, *Aglonema modestum*
- 141 Corn Plant, *Dracaena fragrans*
- 142 Creeping Charley, *Pilea nummulariifolia*
- 143 Creeping Fig, *Ficus pumila*
- 144 Croton, *Codiaeum variegatum pictum*
- 145 Devil's Ivy, *Epipremnum aureum*
- 146 Dumbcane, *Dieffenbachia* species
- 147 Emerald Ripple Peperomia, *Peperomia caperata*  
'Emerald Ripple'
- 148 False Aralia, *Dizygotheca elegantissima*
- 149 Friendship Plant, *Pilea involucrata*
- 150 Grape Ivy, *Cissus rhombifolia*
- 151 Hawaiian or Dwarf Schefflera, *Brassaia arboricola* (*Schefflera arboricola*)
- 152 Heartleaf Philodendron, *Philodendron scandenoxycardium*
- 153 Jade Plant, *Crassula ovata*
- 154 Mother-in-law's Tongue, *Sansevieria trifasciata*
- 155 Nephthytis or Trileaf Wonder, *Syngonium podophyllum*

**FOLIAGE PLANTS, continued**

- 156 Norfolk Island Pine, *Araucaria heterophylla*
- 157 Ovalleaf Peperomia, *Peperomia obtusifolia*
- 158 Parlor Palm, *Chamaedorea elegans*
- 159 Peace Lily, *Spathiphyllum floribundum*
- 160 Piggyback Plant, *Tolmiea menziesii*
- 161 Prayer Plant, *Maranta leuconeura kerchoveana*
- 162 Red Edge Dracaena, *Dracaena marginata*
- 163 Rubber Plant, *Ficus elastica*
- 164 Southern Yew, *Podocarpus macrophyllus*
- 165 Spider Plant, *Chlorophytum comosum*
- 166 Sprenger Asparagus, *Asparagus densiflorus*  
'Sprengeri'
- 167 Strawberry Begonia, *Saxifraga stolonifera*
- 168 Striped Dracaena, *Dracaena deremensis Warneckii*'
- 169 Swedish Ivy, *Plectranthus* species
- 170 Tahitian Bridal Veil, *Gibasis geniculata*
- 171 Umbrella Schefflera, *Brassaia actinophylla*
- 172 Velvet Plant, *Gynura aurantiaca*
- 173 Wandering Jew, *Zebrina pendula*
- 174 Watermelon Peperomia, *Peperomia argyreia*
- 175 Wax Plant, *Hoya carnosa*
- 176 Weeping Fig, *Ficus benjamina*
- 177 Zebra Plant, *Aphelandra squarrosa*

**FLOWERING CONTAINER PLANTS**

- 178 African Violet, *Saintpaulia ionantha*
- 179 Azalea, *Rhododendron* species
- 180 Bromeliad, *Aechmea* species
- 181 Christmas cactus, *Schlumbergera bridgesii*
- 182 Cineraria, *Senecio x hybridus*
- 183 Cyclamen, *Cyclamen persicum*
- 184 Fuchsia, *Fuchsia x hybrida*
- 185 Gardenia, *Gardenia jasminoides*
- 186 Gloxinia, *Sinningia speciosa*
- 187 Hydrangea, *Hydrangea macrophylla*
- 188 Kalanchoe, *Kalanchoe blossfeldiana*
- 189 Persian Violet, *Exacum affine*
- 190 Pocketbook Plant or Calceolaria, *Calceolaria crenatiflora*
- 191 Poinsettia, *Euphorbia pulcherrima*
- 192 Primrose, *Primula* species
- 193 Tricolor Bromeliad, *Neoregelia carolinae* 'Tricolor'

**CUT FLOWERS AND FOLIAGE**

- 194 Alstroemeria/Peruvian Lily
- 195 Baby's-Breath
- 196 Camellia
- 197 Cattleya Orchid
- 198 Emerald Palm
- 199 Eucalyptus
- 200 Florist's Chrysanthemum
- 201 Freesia
- 202 Gerbera/Transvaal Daisy
- 203 Leatherleaf Fern
- 204 Liatris
- 205 Miniature Carnation
- 206 Phalaenopsis Orchid
- 207 Pittosporum
- 208 Plumosus Asparagus
- 209 Rose
- 210 Salal
- 211 Scotch Broom
- 212 Standard Carnation
- 213 Statice

**HERBS**

- 214 Basil, *Ocimum basilicum*  
 215 Chives, *Allium schoenoprasum*  
 216 Lavender, *Lavandula angustifolia*  
 217 Oregano, *Origanum vulgare*  
 218 Parsley, *Petroselinum crispum*  
 219 Thyme, *Thymus* species

**HERBACEOUS PERENNIALS**

- 220 Astilbe, *Astilbe x arendsii*  
 221 Blanketflower, *Gaillardia x grandiflora*  
 222 Bleeding Heart, *Dicentra spectabilis*  
 223 Columbine, *Aquilegia x hybrida*  
 224 Coreopsis, *Coreopsis* species  
 225 Daylily, *Hemerocallis* species  
 226 Delphinium, *Delphinium* species  
 227 Foxglove, *Digitalis purpurea*  
 228 Lamb's Ear, *Stachys byzantina*  
 229 Oriental Poppy, *Papaver orientale*  
 230 Peony, *Paeonia lactiflora*  
 231 Plantain Lily, *Hosta* species  
 232 Shasta Daisy, *Leucanthemum x superbum*

**GROUND COVERS AND VINES**

- 233 Ajuga or Bugleweed, *Ajuga reptans*  
 234 Barren Strawberry, *Waldsteinia ternata*  
 235 Boston Ivy, *Parthenocissus tricuspidata*  
 236 Clematis, *Clematis* species  
 237 Creeping Bentgrass, *Agrostis palustris*  
 238 Creeping Phlox, *Phlox subulata*  
 239 Dragon's Blood Sedum, *Sedum spurium*  
 240 English Ivy, *Hedera helix*  
 241 Japanese Spurge, *Pachysandra terminalis*  
 242 Kentucky Bluegrass, *Poa pratensis*  
 243 Purpleleaf Wintercreeper Euonymus,  
*Euonymus fortunei 'Coloratus'*  
 244 Red Fescue, *Festuca rubra*  
 245 Vinca, *Vinca minor*

**DECIDUOUS SHRUBS**

- 246 Alpine Currant, *Ribes alpinum*  
 247 Amur Privet, *Ligustrum amurense*  
 248 Anthony Waterer Spirea, *Spiraea x bumalda*  
 'Anthony Waterer'  
 249 Arrowwood Viburnum, *Viburnum dentatum*  
 250 Burkwood Viburnum, *Viburnum x burkwoodii*  
 251 Common Lilac, *Syringa vulgaris*  
 252 Compact Burning Bush, *Euonymus alata*  
 'Compacta'  
 253 Cranberry Bush Viburnum, *Viburnum opulus* or  
*Viburnum trilobum*  
 254 Firethorn, *Pyracantha coccinea*  
 255 Flowering Quince, *Chaenomeles speciosa*  
 256 Forsythia, *Forsythia x intermedia*  
 257 Japanese Barberry, *Berberis thunbergii*  
 258 Oakleaf Hydrangea, *Hydrangea quercifolia*  
 259 Potentilla, *Potentilla fruticosa*  
 260 Red Twig Dogwood, *Cornus alba*  
 261 Rockspray Cotoneaster, *Cotoneaster*  
*horizontalis*  
 262 Weigela, *Weigela florida*

**DECIDUOUS TREES**

- 263 Bradford Callery Pear, *Pyrus calleryana*  
 'Bradford'  
 264 Common Hackberry, *Celtis occidentalis*  
 265 Common Thornless Honeylocust, *Gleditsia*  
*triacanthos inermis*  
 266 Eastern Redbud, *Cercis canadensis*  
 267 European Beech, *Fagus sylvatica*  
 268 European Mountain-ash, *Sorbus aucuparia*  
 269 Flowering Crabapple, *Malus* species  
 270 Flowering Dogwood, *Cornus florida*  
 271 Ginkgo, *Ginkgo biloba*  
 272 Green Ash, *Fraxinus pennsylvanica*  
 273 Horsechestnut, *Aesculus hippocastanum*  
 274 Littleleaf Linden, *Tilia cordata*  
 275 London Plane Tree, *Platanus x acerifolia*  
 276 Norway Maple, *Acer platanoides*  
 277 Pin Oak, *Quercus palustris*  
 278 Red Maple, *Acer rubrum*  
 279 Red Oak, *Quercus rubra*  
 280 River Birch, *Betula nigra*  
 281 Saucer Magnolia, *Magnolia x soulangiana*  
 282 Serviceberry, *Amelanchier* species  
 283 Sour (Black) Gum, *Nyssa sylvatica*  
 284 Sugar Maple, *Acer saccharum*  
 285 Sweetgum, *Liquidambar styraciflua*  
 286 Tulip Tree, *Liriodendron tulipifera*  
 287 Washington Hawthorn, *Crataegus*  
*phaenopyrum*  
 288 White Oak, *Quercus alba*  
 289 Willow, *Salix alba*

**BROADLEAF EVERGREENS**

- 290 Bayberry, *Myrica pensylvanica*  
 291 Boxwood, *Buxus* species  
 292 Catawba Rhododendron, *Rhododendron*  
*catawbiense*  
 293 Meserve Holly, *Ilex x meserveae*  
 294 Oregon Grapeholly, *Mahonia aquifolium*  
 295 Rhododendron PJM, *Rhododendron*  
 'PJM Hybrids'  
 296 Yucca, *Yucca* species

**CONIFEROUS PLANTS**

- 297 American Arborvitae, *Thuja occidentalis*  
 298 Bald Cypress, *Taxodium distichum*  
 299 Blue Colorado Spruce, *Picea pungens glauca*  
 300 Canadian Hemlock, *Tsuga canadensis*  
 301 Douglasfir, *Pseudotsuga menziesii*  
 302 Juniper, *Juniperus* species  
 303 Larch, *Larix* species  
 304 Mugo Pine, *Pinus mugo*  
 305 Norway Spruce, *Picea abies*  
 306 White Fir, *Abies concolor*  
 307 White Pine, *Pinus strobus*  
 308 Yew, *Taxus* species

**Aid for ordering placing cards and plant material identification sheets:**

No. of teams x No. of participants per team x No. of rings = No. of sheets needed,  
 i.e., 10 teams x 5 participants per team x 1 ring(s) = 50 sheets needed.

My event: \_\_\_\_\_ teams x \_\_\_\_\_ participants per team x \_\_\_\_\_ ring(s) = \_\_\_\_\_ sheets.

**Placing Card**

			J999.100
TEAM NUMBER	PARTICIPANT NUMBER	RING NUMBER	

DIrections — Below are all the possible placings for a ring of 4 individuals. Draw a circle around the placing which you consider correct for the ring you are judging.

A=1-2-3-4	G=2-1-3-4	M=3-1-2-4	S=4-1-2-3
B=1-2-4-3	H=2-1-4-3	N=3-1-4-2	T=4-1-3-2
C=1-3-2-4	I=2-3-1-4	O=3-2-1-4	U=4-2-1-3
D=1-3-4-2	J=2-3-4-1	P=3-2-4-1	V=4-2-3-1
E=1-4-2-3	K=2-4-1-3	Q=3-4-1-2	W=4-3-1-2
F=1-4-3-2	L=2-4-3-1	R=3-4-2-1	X=4-3-2-1

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J690

Team No. \_\_\_\_\_  
Participant No. \_\_\_\_\_  
Score \_\_\_\_\_

## IDENTIFICATION CLASS

### BULBS, UNDERGROUND STEMS, OR PLANTS

- |                 |                    |                        |
|-----------------|--------------------|------------------------|
| _____ Amaryllis | _____ Dahlia       | _____ Lily             |
| _____ Caladium  | _____ Gladiolus    | _____ Narcissus        |
| _____ Canna     | _____ Hyacinth     | _____ Tuberous Begonia |
| _____ Crocus    | _____ Bearded Iris | _____ Tulip            |

### BEDDING PLANTS

- |  |  |  |
|--|--|--|
| _____ Ageratum<br><i>Ageratum houstonianum</i>         | _____ Ivy Geranium<br><i>Pelargonium peltatum</i>      | _____ Regal Geranium<br><i>Pelargonium x domesticum</i>                        |
| _____ Cabbage<br><i>Brassica oleraceae v. capitata</i> | _____ Lobelia<br><i>Lobelia erinus</i>                 | _____ Salvia<br><i>Salvia splendens</i>  |
| _____ Celosia<br><i>Celosia species</i>                | _____ Marigold<br><i>Tagetes species</i>               | _____ Snapdragon<br><i>Antirrhinum majus</i>                                   |
| _____ Coleus<br><i>Coleus species</i>                  | _____ Moss Rose<br><i>Portulaca grandiflora</i>        | _____ Sweet Alyssum<br><i>Lobularia maritima</i>                               |
| _____ Dusty Miller<br><i>Senecio cineraria</i>         | _____ New Guinea Impatiens<br><i>Impatiens species</i> | _____ Tomato<br><i>Lycopersicon esculentum</i>                                 |
| _____ Green Pepper<br><i>Capsicum grossum</i>          | _____ Pansy<br><i>Viola x wittrockiana</i>             | _____ Wax or Fibrous-rooted Begonia<br><i>Begonia x semperflorens-cultorum</i> |
| _____ Impatiens<br><i>Impatiens wallerana</i>          | _____ Periwinkle<br><i>Catharanthus roseus</i>         | _____ Zinnia<br><i>Zinnia elegans</i>  |
|  | _____ Petunia<br><i>Petunia x hybrida</i>              | _____ Zonal Geranium<br><i>Pelargonium x hortorum</i>                          |

### FOLIAGE PLANTS

- |  |  |  |
|--|--|--|
| _____ Aloe Vera<br><i>Aloe barbadensis</i>                                   | _____ Grape Ivy<br><i>Cissus rhombifolia</i>   | _____ Rubber Plant<br><i>Ficus elastica</i>                          |
| _____ Aluminum Plant<br><i>Pilea cadierei</i>                                | _____ Hawaiian or Dwarf Schefflera<br><i>Brassaia arboricola</i><br><i>(Schefflera arboricola)</i> | _____ Southern Yew<br><i>Podocarpus macrophyllus</i>                 |
| _____ Artillery Plant<br><i>Pilea microphylla</i>                            | _____ Heartleaf Philodendron<br><i>Philodendron scandens oxycardium</i>                            | _____ Spider Plant<br><i>Chlorophytum comosum</i>                    |
| _____ Boston Fern<br><i>Nephrolepis exaltata 'Bostoniensis'</i>              | _____ Jade Plant<br><i>Crassula ovata</i>  | _____ Sprenger Asparagus<br><i>Asparagus densiflorus 'Sprengeri'</i> |
| _____ Chinese Evergreen<br><i>Aglonema modestum</i>                          | _____ Mother-in-law's Tongue<br><i>Sansevieria trifasciata</i>                                     | _____ Strawberry Begonia<br><i>Saxifraga stolonifera</i>             |
| _____ Corn Plant<br><i>Dracaena fragrans</i>                                 | _____ Nephthytis or Trileaf Wonder<br><i>Syngonium podophyllum</i>                                 | _____ Striped Dracaena<br><i>Dracaena deremensis 'Warneckii'</i>     |
| _____ Creeping Charley<br><i>Pilea nummulariifolia</i>                       | _____ Norfolk Island Pine<br><i>Araucaria heterophylla</i>   | _____ Swedish Ivy<br><i>Plectranthus species</i>                     |
| _____ Creeping Fig<br><i>Ficus pumila</i>                                    | _____ Ovalleaf Peperomia<br><i>Peperomia obtusifolia</i>   | _____ Tahitian Bridal Veil<br><i>Gibasis geniculata</i>              |
| _____ Croton<br><i>Codiaeum variegatum pictum</i>                            | _____ Parlor Palm<br><i>Chamaedorea elegans</i>  | _____ Umbrella Schefflera<br><i>Brassaia actinophylla</i>            |
| _____ Devil's Ivy<br><i>Epipremnum aureum</i>                                | _____ Peace Lily<br><i>Spathiphyllum floribundum</i>   | _____ Velvet Plant<br><i>Gynura aurantiaca</i>                       |
| _____ Dumbcane<br><i>Dieffenbachia species</i>                               | _____ Piggyback Plant<br><i>Tolmiea menziesii</i>  | _____ Wandering Jew<br><i>Zebrina pendula</i>                        |
| _____ Emerald Ripple Peperomia<br><i>Peperomia caperata 'Emerald Ripple'</i> | _____ Prayer Plant<br><i>Maranta leuconeura kerchoveana</i>  | _____ Watermelon Peperomia<br><i>Peperomia argyreia</i>              |
| _____ False Aralia<br><i>Dizygotheca elegantissima</i>                       | _____ Red Edge Dracaena<br><i>Dracaena marginata</i>   | _____ Wax Plant<br><i>Hoya carnosia</i>                              |
| _____ Friendship Plant<br><i>Pilea involucrata</i>                           |  | _____ Weeping Fig<br><i>Ficus benjamina</i>                          |
|  |  | _____ Zebra Plant<br><i>Aphelandra squarrosa</i>                     |

**FLOWERING CONTAINER PLANTS**

- |  |   |  |
|--|---|--|
| _____ African Violet<br><i>Saintpaulia ionantha</i>      | _____ Cyclamen<br><i>Cyclamen persicum</i>      | _____ Kalanchoe<br><i>Kalanchoe blossfeldiana</i>                        |
| _____ Azalea<br><i>Rhododendron</i> species              | _____ Fuchsia<br><i>Fuchsia x hybrida</i>       | _____ Persian Violet<br><i>Exacum affine</i>                             |
| _____ Bromeliad<br><i>Aechmea</i> species                | _____ Gardenia<br><i>Gardenia jasminoides</i>   | _____ Pocketbook Plant or Calceolaria<br><i>Calceolaria crenatiflora</i> |
| _____ Christmas cactus<br><i>Schlumbergera bridgesii</i> | _____ Gloxinia<br><i>Sinningia speciosa</i>     | _____ Poinsettia<br><i>Euphorbia pulcherrima</i>                         |
| _____ Cineraria<br><i>Senecio x hybridus</i>             | _____ Hydrangea<br><i>Hydrangea macrophylla</i> | _____ Primrose<br><i>Primula</i> species                                 |
|  |   | _____ Tricolor Bromeliad<br><i>Neoregelia carolinae</i> 'Tricolor'       |

**CUT FLOWERS AND FOLIAGE**

- |                                  |                               |                          |
|----------------------------------|-------------------------------|--------------------------|
| _____ Alstroemeria/Peruvian Lily | _____ Freesia                 | _____ Plumosus Asparagus |
| _____ Baby's-Breath              | _____ Gerbera/Transvaal Daisy | _____ Rose               |
| _____ Camellia                   | _____ Leatherleaf Fern        | _____ Salal              |
| _____ Cattleya Orchid            | _____ Liatris                 | _____ Scotch Broom       |
| _____ Emerald Palm               | _____ Miniature Carnation     | _____ Standard Carnation |
| _____ Eucalyptus                 | _____ Phalaenopsis Orchid     | _____ Statice            |
| _____ Florist's Chrysanthemum    | _____ Pittosporum             |                          |

**HERBS**

- |   |   |  |
|---|---|--|
| _____ Basil<br><i>Ocimum basilicum</i>      | _____ Lavender<br><i>Lavandula angustifolia</i> | _____ Parsley<br><i>Petroselinum crispum</i> |
| _____ Chives<br><i>Allium schoenoprasum</i> | _____ Oregano<br><i>Origanum vulgare</i>        | _____ Thyme<br><i>Thymus</i> species         |

**HERBACEOUS PERENNIALS**

- |  |   |  |
|--|---|--|
| _____ Astilbe<br><i>Astilbe x arendsii</i>             | _____ Coreopsis<br><i>Coreopsis</i> species   | _____ Oriental Poppy<br><i>Papaver orientale</i>     |
| _____ Blanketflower<br><i>Gaillardia x grandiflora</i> | _____ Daylily<br><i>Hemerocallis</i> species  | _____ Peony<br><i>Paeonia lactiflora</i>             |
| _____ Bleeding Heart<br><i>Dicentra spectabilis</i>    | _____ Delphinium<br><i>Delphinium</i> species | _____ Plantain Lily<br><i>Hosta</i> species          |
| _____ Columbine<br><i>Aquilegia x hybrida</i>          | _____ Foxglove<br><i>Digitalis purpurea</i>   | _____ Shasta Daisy<br><i>Leucanthemum x superbum</i> |
|  | _____ Lamb's Ear<br><i>Stachys byzantina</i>  |  |

**GROUND COVERS AND VINES**

- |  |   |   |
|--|---|---|
| _____ Ajuga or Bugleweed<br><i>Ajuga reptans</i>       | _____ Creeping Bentgrass<br><i>Agrostis palustris</i> | _____ Japanese Spurge<br><i>Pachysandra terminalis</i>                          |
| _____ Barren Strawberry<br><i>Waldsteinia ternata</i>  | _____ Creeping Phlox<br><i>Phlox subulata</i>         | _____ Kentucky Bluegrass<br><i>Poa pratensis</i>                                |
| _____ Boston Ivy<br><i>Parthenocissus tricuspidata</i> | _____ Dragon's Blood Sedum<br><i>Sedum spurium</i>    | _____ Purpleleaf Wintercreeper Euonymus<br><i>Euonymus fortunei</i> 'Coloratus' |
| _____ Clematis<br><i>Clematis</i> species              | _____ English Ivy<br><i>Hedera helix</i>              | _____ Red Fescue<br><i>Festuca rubra</i>  |
|  |   | _____ Vinca<br><i>Vinca minor</i>   |

**DECIDUOUS SHRUBS**

- |   |  |  |
|---|--|--|
| _____ Alpine Currant<br><i>Ribes alpinum</i>                                  | _____ Compact Burning Bush<br><i>Euonymus alata</i> 'Compacta'                         | _____ Japanese Barberry<br><i>Berberis thunbergii</i>          |
| _____ Amur Privet<br><i>Ligustrum amurense</i>                                | _____ Cranberry Bush Viburnum<br><i>Viburnum opulus</i> or<br><i>Viburnum trilobum</i> | _____ Oakleaf Hydrangea<br><i>Hydrangea quercifolia</i>        |
| _____ Anthony Waterer Spirea<br><i>Spiraea x bumalda</i><br>'Anthony Waterer' | _____ Firethorn<br><i>Pyracantha coccinea</i>  | _____ Potentilla<br><i>Potentilla fruticosa</i>                |
| _____ Arrowwood Viburnum<br><i>Viburnum dentatum</i>                          | _____ Flowering Quince<br><i>Chaenomeles speciosa</i>                                  | _____ Red Twig Dogwood<br><i>Cornus alba</i>                   |
| _____ Burkwood Viburnum<br><i>Viburnum x burkwoodii</i>                       | _____ Forsythia<br><i>Forsythia x intermedia</i>                                       | _____ Rockspray Cotoneaster<br><i>Cotoneaster horizontalis</i> |
| _____ Common Lilac<br><i>Syringa vulgaris</i>                                 |  | _____ Weigela<br><i>Weigela florida</i>                        |

**DECIDUOUS TREES**

- |  |   |   |
|--|---|---|
| _____ Bradford Callery Pear<br><i>Pyrus calleryana</i> 'Bradford'          | _____ Green Ash<br><i>Fraxinus pennsylvanica</i>        | _____ Saucer Magnolia<br><i>Magnolia x soulangiana</i>    |
| _____ Common Hackberry<br><i>Celtis occidentalis</i>                       | _____ Horsechestnut<br><i>Aesculus hippocastanum</i>    | _____ Serviceberry<br><i>Amelanchier</i> species          |
| _____ Common Thornless Honeylocust<br><i>Gleditsia triacanthos inermis</i> | _____ Littleleaf Linden<br><i>Tilia cordata</i>         | _____ Sour (Black) Gum<br><i>Nyssa sylvatica</i>          |
| _____ Eastern Redbud<br><i>Cercis canadensis</i>                           | _____ London Plane Tree<br><i>Platanus x acerifolia</i> | _____ Sugar Maple<br><i>Acer saccharum</i>                |
| _____ European Beech<br><i>Fagus sylvatica</i>                             | _____ Norway Maple<br><i>Acer platanoides</i>           | _____ Sweetgum<br><i>Liquidambar styraciflua</i>          |
| _____ European Mountain-ash<br><i>Sorbus aucuparia</i>                     | _____ Pin Oak<br><i>Quercus palustris</i>               | _____ Tulip Tree<br><i>Liriodendron tulipifera</i>        |
| _____ Flowering Crabapple<br><i>Malus</i> species                          | _____ Red Maple<br><i>Acer rubrum</i>                   | _____ Washington Hawthorn<br><i>Crataegus phaenopyrum</i> |
| _____ Flowering Dogwood<br><i>Cornus florida</i>                           | _____ Red Oak<br><i>Quercus rubra</i>                   | _____ White Oak<br><i>Quercus alba</i>                    |
| _____ Ginkgo<br><i>Ginkgo biloba</i>                                       | _____ River Birch<br><i>Betula nigra</i>                | _____ Willow<br><i>Salix alba</i>                         |

**BROADLEAF EVERGREENS**

- |   |  |   |
|---|--|---|
| _____ Bayberry<br><i>Myrica pensylvanica</i>                  | _____ Meserve Holly<br><i>Ilex x meserveae</i>       | _____ Rhododendron PJM<br><i>Rhododendron</i> 'PJM Hybrids' |
| _____ Boxwood<br><i>Buxus</i> species                         | _____ Oregon Grapeholly<br><i>Mahonia aquifolium</i> | _____ Yucca<br><i>Yucca</i> species                         |
| _____ Catawba Rhododendron<br><i>Rhododendron catawbiense</i> |  |   |

**CONIFEROUS PLANTS**

- |   |  |   |
|---|--|---|
| _____ American Arborvitae<br><i>Thuja occidentalis</i>    | _____ Douglasfir<br><i>Pseudotsuga menziesii</i> | _____ Norway Spruce<br><i>Picea abies</i> |
| _____ Bald Cypress<br><i>Taxodium distichum</i>           | _____ Juniper<br><i>Juniperus</i> species        | _____ White Fir<br><i>Abies concolor</i>  |
| _____ Blue Colorado Spruce<br><i>Picea pungens glauca</i> | _____ Larch<br><i>Larix</i> species              | _____ White Pine<br><i>Pinus strobus</i>  |
| _____ Canadian Hemlock<br><i>Tsuga canadensis</i>         | _____ Mugo Pine<br><i>Pinus mugo</i>             | _____ Yew<br><i>Taxus</i> species         |