Nursery/Landscape

Revised 6/2021

Purpose and Standards

The Nursery/Landscape contest prepares students for careers in the nursery and landscaping. Topics include plant identification, plant physiology, soil science, plant reproduction, and nursery production, as well as landscaping design, installation, and maintenance.

Foundation Standards: Mathematics Algebra, 15.0 and Geometry 8.0, 11.0. History & Social Science Principles of Economics: 12.2.2, 12.2.5, 12.2.6, 12.2.7. Communication: 1.1, 2.2, 1.8.

Ornamental Horticulture Pathway Standards: F1.1-1.5, F2.1-2.6, F3.1-3.3, F4.1-4.4, F5.1-5.5, F6.1-6.4, F7.1-7.3, F8.1-8.4, F9.1-9.4, F10.1-10.5.

Contestants

Teams consist of four members, with all four individual scores counting as the team score. All team members are eligible for individual awards.

Classes

|  |  |  |
| --- | --- | --- |
| **Class** | **Individual Points** | **Team Points** |
| Trees class placed | 50 | 200 |
| Shrub class placed | 50 | 200 |
| Flat class placed | 50 | 200 |
| Reasons 1 | 50 | 200 |
| Reasons 2 | 50 | 200 |
| Transplanting | 50 | 200 |
| Identification | 400 | 1600 |
| Written Test | 150 | 600 |
| TOTAL | 850 | 3400 |

Tie Breaker

1. The team or individual scoring the highest total reason score(s) will be the winner.
2. If a tie still exists, the written test (or other class) will be used to determine the high individual or team.
3. If a tie still exists, the total score of the individual or team will be used to determine the high individual or team.

Sub-contest Awards

Sub-contest awards will be given for high teams and individuals in the following areas: Judging (Trees, Shrubs, Flats combined), Reasons, Transplants, ID, and Written Test. (Reasons are **not included** in judging sub-contest score.)

Rules

1. Judging
	1. All Plants used for judging shall come from the Curricular Code list.
	2. Three classes will be judged. They will be labeled 1, 2, and 3.
	3. The three classes shall consist of:
		1. One class of trees (The trees will be growing in 5 gallon cans.)
		2. One class of shrubs (The shrubs will be growing in 5 gallon cans.)
		3. One class of standard flats of marketable bedding plants
	4. Reasons will be given on two of the three classes judged.
	5. Contestants will be awarded 0-50 points for each placing. If reasons will be given, 0-50 points will be given based on the following criteria:

|  |  |
| --- | --- |
| Subject matter | 60% |
| Logic and force | 30% |
| Bearing and address | 10% |

* 1. Individual scoring will then include:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Three classes placed | 50  = | 150 |
|  | Two classes reasons | 50  = | 100 |
| Total  | 250 |

* 1. Ten minutes will be allowed for judging each class and two minutes per contestant for presenting oral reasons in each class.
	2. Contestants are not allowed to handle any contest material.
1. Score cards

|  |  |  |
| --- | --- | --- |
|  | **Tree Judging Score Card** | **Value** |
|  |  |  |      |  |
|  | A. | Size | 20% |
|  |  | 1) | Height of tree |  |
|  |  | 2) | Spread of branches |  |
|  |  | 3) | Circumference of trunk |  |
|  |  |  |     |  |
|  | B. | Framework | 20% |
|  |  | 1) | Distribution of branches |  |
|  |  | 2) | General symmetry |  |
|  |  |  |  |  |
|  | C. | Pruning | 20% |
|  |  | 1) | Systems should be in accord with length of growth - severe, moderate or light |  |
|  |  | 2) | Flowering wood evenly distributed |  |
|  |  | 3) | Interfering branches and dead wood removed  |  |
|  |  | 4) | Pruning cuts properly made and treated |  |
|  |  |  |     |  |
|  | D. | Vigor | 20% |
|  |  | 1) | Good color and large leaves |  |
|  |  | 2) | Sufficient new wood |  |
|  |  | 3) | New wood in good condition--not spindling |  |
|  |  |  |     |  |
|  | E. | Health | 20% |
|  |  | 1) | Fungus or bacterial disease |  |
|  |  | 2) | Insect pests |  |
|  |  | 3) | Physiological diseases |  |
|  |  | 4) | Mechanical injury |  |
|  |  | 5) | Sunburn |  |
|  |  | 6) | Frost injury |  |
|  |  |  | TOTAL | 100% |
|  |  |  |     |  |

|  |  |  |
| --- | --- | --- |
|  | **Shrubs Judging Score Card** | **Value** |
|  |  |  |     |  |
|  | A. | Size | 40% |
|  |  | 1) | Height of plant |  |
|  |  | 2) | Spread of branches |  |
|  |  | 3) | Form |  |
|  |  |  |     |  |
|  | B. | Framework | 20% |
|  |  | 1) | Distribution well placed |  |
|  |  | 2) | General symmetry -- well shaped |  |
|  |  |  |       |  |
|  | C. | Pruning | 10% |
|  |  | 1) | Systems should be in accord with length of growth - severe, moderate or light |  |
|  |  | 2) | Flowering wood evenly distributed |  |
|  |  | 3) | Interfering branches and dead wood removed  |  |
|  |  | 4) | Pruning cuts properly made and treated |  |
|  |  |  |     |  |
|  | E. | Health and Vigor | 30% |
|  |  | 1) | Good color and large leaves |  |
|  |  | 2) | Sufficient new wood past season |  |
|  |  | 3) | New wood in good condition--not spindling |  |
|  |  | 4) | Fungus or bacterial disease |  |
|  |  | 5) | Insect pests |  |
|  |  | 6) | Physiological diseases |  |
|  |  | 7) | Mechanical injury |  |
|  |  | 8) | Sunburn |  |
|  |  | 9) | Frost injury |  |
|  |  |  | TOTAL   | 100% |

|  |  |  |
| --- | --- | --- |
|  | **Flat Judging Score Card** | **Value** |
|  |  |  |     |  |
|  | A. | Uniformity | 40% |
|  |  | 1) | Size of plant |  |
|  |  | 2) | Number of plants |  |
|  |  | 3) | Uniformity of spotting |  |
|  |  |  |     |  |
|  | B. | Health and Vigor | 40% |
|  |  | 1) | Sufficient growth |  |
|  |  | 2) | Good color and large leaves |  |
|  |  | 3) | New growth in good condition--not spindling |  |
|  |  | 4) | Fungus or bacterial disease |  |
|  |  | 5) | Insect pests |  |
|  |  | 6) | Physiological diseases |  |
|  |  | 7) | Mechanical injury |  |
|  |  | 8) | Sun damage |  |
|  |  | 9) | Soil condition |  |
|  |  |  |     |  |
|  | C. | Salability | 20% |
|  |  | TOTAL | 100% |

1. Transplanting
	1. Contestants will transplant one liner to a 1 gallon container, which will be worth 50 points: 25 points for the mechanics and 25 points for the explanation of the process to a judge. A ten (10) point deduction will be made if the explanation exceeds three (3) minutes.

|  |  |
| --- | --- |
| **Transplant Score Card** | **Value** |
| Mechanics |  |
| 1. Checking soil for moisture
 | 5  |
| 1. Removing liner from pot
 | 5  |
| 1. Centering plant in can
 | 5  |
| 1. Proper level of plant/soil level
 | 5  |
| 1. Watering the transplanted liner
 | 5  |
|  |  |
| Explanation of Process |  |
| Explanation of the quality of the liner and the steps outlined in the mechanics of the process. | 25  |
| TOTAL | 50 |

1. Identification
	1. There will be identification of:
		1. Bedding Plants (6)
		2. Perennials (7)
		3. Ferns (2)
		4. House Plants (10)
		5. Shrubs (30)
		6. Trees (17)
		7. Vines (5)
		8. Ground Covers (5)
		9. Cacti and Succulents (3)
		10. Buds and Grafts, Tools and Materials (15)
	2. Plant, tool, buds, graft and identification:
		1. For the judging contest, a list of names will be given to each contestant as contained in the Curricular Code. One hundred (100) identification items worth 4 points each will be on an answer sheet (attached) basis with a minimum of 45 minutes. The plant list will align with the California Certified Nursery Professional Plant List
		2. Plant identification items will be typical of container stock found in a retail nursery. Six (6) bedding plants, seven (7) perennials, two (2) ferns, ten (10) house plants, thirty (30) shrubs, seventeen (17) trees, five (5) vines, five (5) ground covers, and three (3) will be selected from the Curricular Code lists.
		3. Fifteen (15) bud and grafts, tools and materials will be selected from their respective lists.
	3. Identification exam shall be on written answer sheet (see "FFA Ornamental Horticulture Contest Identification Answer sheet" attached.)
	4. Contestants are not allowed to handle any contest material.
2. General Knowledge Objective Test
	1. A 50 question general knowledge objective test shall consist of:
		1. Fifteen true/false questions
		2. Fifteen multiple choice questions
		3. Twenty matching questions
	2. All questions will be drawn from the most current text, Retail Nurseryman’s Manual, prepared by California Association of Nurseries and Garden Centers, as well as Landscaping: Principles & Practices (Ingels) - Chapter 8: Principles of Design, Chapter 14: Pricing the Proposed Design, Chapter 16: Landscape Calculations. The test will also include questions referring to landscape and landscape design, as well as cost estimating, reading, and interpreting landscape design plans, and assessing an area for installation.
	3. Contestants will be given forty-five minutes to complete the test.
	4. Contestants will not be able to ask any contest personnel questions which seek interpretation of or answers to test questions during the administration of the objective test.
	5. Each question will be worth three points with 150 points total possible.
3. Plant Identification List

|  |  |  |
| --- | --- | --- |
| **TREES** | **BOTANICAL** | **COMMON** |
| TR 1 | *Acer palmatum* | Japanese Maple |
| TR 2 | *Arbutus unedo* | Strawberry Tree |
| TR 3 | *Archontophoenix cunninghamiana* | King Palm |
| TR 4 | *Cedrus deodara* | Deodar Cedar |
| TR 5 | *Cercis occidentalis* | Western Redbud |
| TR 6 | *Chamaerops humilus* | Mediterranean Fan Palm |
| TR 7 | *Cinnamomum camphora* | Camphor Tree |
| TR 8 | *Citrus ‘*Improved Meyer’ | Improved Meyer Lemon |
| TR 9 | *Cupaniopsis anacardioides* | Carrot Wood |
| TR 10 | *Cupressus sempervirens* | Italian Cypress |
| TR 11 | *Elaeocarpus decipiens* | Japanese Blueberry Tree |
| TR 12 | *Eucalyptus polyanthemos* | Silver Dollar Gum |
| TR 13 | *Geijera parviflora* | Australian Willow, (Wilga) |
| TR 14 | *Ginkgo biloba* | Maidenhair Tree |
| TR 15 | *Jacaranda mimosifolia* | Jacaranda |
| TR 16 | *Lagerstroemia indica* | Crape Myrtle |
| TR 17 | *Liquidambar styraciflua* | American Sweet Gum |
| TR 18 | *Magnolia grandiflora* | Southern Magnolia, (Bull Bay) |
| TR 19 | *Maytenus boaria* | Mayten |
| TR 20 | *Morus alba ‘*Fruitless’ | Fruitless Mulberry |
| TR 21 | *Olea europaea* | Olive |
| TR 22 | *Pinus canariensis* | Canary Island Pine |
| TR 23 | *Pinus thunbergii* | Japanese Black Pine |
| TR 24 | *Pistachia chinensis* | Chinese Pistache |
| TR 25 | *Pyrus calleryana* | Flowering Pear |
| TR 26 | *Quercus agrifolia* | Coast Live Oak |
| TR 27 | *Quercus lobata* | Valley Oak |
| TR 28 | *Sequoia sempervirens* | Redwood, (Coast Redwood) |
| TR 29 | *Syagrus romanzoffiana (romanzoffianum), (Arecastrum romanzoffianum)* | Queen Palm |
| TR 30 | *Trachycarpus fortunei* | Windmill Palm |
| **SHRUBS** |  |  |
| SH 31 | *Abelia ‘*Edward Goucher’ | Pink Abelia ‘Edward Goucher’ |
| SH 32 | *Abutilon hybrids* | Flowering Maple, (Chinese Lantern) |
| SH 33 | *Alyogyne (Hibiscus) huegelii* | Blue Hibiscus |
| SH 34 | *Anigozanthus hybrids* | Kangaroo Paw |
| SH 35 | *Anisodontea x hypomandarum* | Cape Mallow |
| SH 36 | *Aucuba japonica* 'Variegata' | Gold Dust Plant, (Japanese Aucuba) |
| SH 37 | *Bambusa multiplex (glaucescens)* 'Golden Goddess' | Golden Goddess Bamboo |
| SH 38 | *Brunfelsia pauciflora (calycina)* 'Floribunda' | Yesterday-Today-And-Tomorrow |
| SH 39 | *Buddleja davidii [[1]](#footnote-1)* | Butterfly Bush, (Summer Lilac) |
| SH 40 | *Buxus microphylla japonica* | Japanese Boxwood |
| SH 41 | *Calliandra haematocephala* | Pink Powder Puff |
| SH 42 | *Callistemon viminalis* 'Little John'    | Dwarf Bottlebrush |
| SH 43 | *Camellia japonica* | Japanese Camellia |
| SH 44 | *Camellia sasanqua* | Sasanqua Camellia |
| SH 45 | *Carissa macrocarpa* 'Tuttle', ('Nana Compacta Tuttlei’) | Natal Plum |
| SH 46 | *Ceanothus griseus horizontalis* | Carmel Creeper |
| SH 47 | *Cestrum nocturnum* | Night Jessamine |
| SH 48 | *Cistus*x *purpureus* | Orchid Rockrose |
| SH 49 | *Coleonema pulchellum (pulchrum)* | Sunset Gold Coleonema |
| SH 50 | *Cotoneaster horizontalis*  | Rock Cotoneaster |
| SH 51 | *Cuphea hyssopifolia*  | False (Hawaiian, Mexican) Heather |
| SH 52 | *Cycas revoluta* | Sago Palm |
| SH 53 | *Daphne odora* 'Aureomarginata' ('Aureo-marginata', 'Marginata') | Winter Daphne |
| SH 54 | *Dodonaea viscosa* 'Purpurea'         | Purple Hop Bush, (Purple Hopseed Bush) |
| SH 55 | *Echium candicans (fastuosum)* | Pride of Madeira |
| SH 56 | *Escallonia* x *exoniensis* ('Frades') | Escallonia |
| SH 57 | *Euonymus japonicus* 'Aureovariegatus' | Gold Spot Euonymus |
| SH 58 | *Fatsia japonica* | Japanese Aralia |
| SH 59 | *Feijoa (Acca) sellowiana* | Pineapple Guava |
| SH 60 | *Forsythia* x *intermedia* | Forsythia |
| SH 61 | *Gardenia jasminoides (augusta)*'Veitchii' | Everblooming Gardenia |
| SH 62 | *Grevillea* 'Noellii'                             | Grevillea |
| SH 63 | *Hibiscus rosa-sinensis* | Chinese Hibiscus, (Tropical Hibiscus) |
| SH 64 | *Hibiscus syriacus* | Rose of Sharon, (Shrub Althaea) |
| SH 65 | *Hydrangea macrophylla* | Bigleaf Hydrangea, (Garden Hydrangea) |
| SH 66 | *Juniperus chinensis* 'Kaizuka', ('Torulosa') | Hollywood Juniper |
| SH 67 | *Juniperus rigida conferta* 'Blue Pacific' | Shore Juniper |
| SH 68 | *Juniperus procumbens* 'Nana'         | Dwarf Japanese Garden Juniper |
| SH 69 | *Laurus nobilus* | Sweet Bay, (Grecian Laurel)[[2]](#endnote-1) |
| SH 70 | *Lavatera maritima* | Tree Mallow |
| SH 71 | *Leonotis leonurus* | Lion's Tail |
| SH 72 | *Leptospermum scoparium* | New Zealand Tea Tree  |
| SH 73 | *Ligustrum japonicum* 'Texanum'      | Wax-Leaf Privet, Japanese Privet |
| SH 74 | *Loropetalum chinense* | Chinese Fringe Flower |
| SH 75 | *Lycianthes (Solanum) rantonnetii* | Blue Potato Bush |
| SH 76 | *Myrsine africana* | African Boxwood |
| SH 77 | *Myrtus communis* 'Compacta'          | Dwarf Myrtle  |
| SH 78 | *Nandina domestica* 'Gulf Stream'   | Gulf Stream Heavenly Bamboo |
| SH 79 | *Nerium oleander* | Oleander |
| SH 80 | *Philodendron bipinnatifidum (selloum)* | Philodendron |
| SH 81 | *Phoenix roebelenii* | Pygmy Date Palm |
| SH 82 | *Phormium tenax* | New Zealand Flax |
| SH 83 | *Photinia* x *fraseri* | Photinia |
| SH 84 | *Pieris (Andromeda) japonica* | Lily-Of-The-Valley Shrub |
| SH 85 | *Pinus mugo (mugo mugo)* | Mugo Pine |
| SH 86 | *Pittosporum tenuifolium (nigricans)* | Kohuhu |
| SH 87 | *Pittosporum tobira* 'Wheeler's Dwarf' | Wheeler's Dwarf Mock Orange |
| SH 88 | *Platycladus (Thuja) orientalis '*Aurea Nana' | Dwarf Golden Arborvitae |
| SH 89 | *Plumbago auriculata (capensis)* | Cape Plumbago |
| SH 90 | *Podocarpus gracilior* | Fern Pine |
| SH 91 | *Polygala* x *dalmaisiana* | Sweet Pea Shrub |
| SH 92 | *Pyracantha crenatoserrata (fortuneana)* 'Graberi’ | Graber Pyracantha |
| SH 93 | *Rhaphiolepis indica*                        | Indian Hawthorn |
| SH 94 | *Rhododendron (Azalea) indica* | (Southern) Indica Azalea |
| SH 95 | *Schefflera arboricola* | Hawaiian Elf Schefflera |
| SH 96 | *Strelitzia reginae* | Bird of Paradise |
| SH 97 | *Syringa vulgaris* | Common Lilac |
| SH 98 | *Syzygium paniculatum (Eugenia myrtifolia)* | Brush Cherry, (Australian Brush Cherry) |
| SH 99 | *Tecoma (Tecomaria) capensis* | Cape Honeysuckle |
| SH 100 | *Teucrium fruticans* | Bush Germander |
| SH 101 | *Tibouchina urvilleana (semidecandra)*  | Princess Flower |
| SH 102 | *Viburnum opulus* 'Roseum' ('Sterile') | Common Snowball |
| SH 103 | *Viburnum tinus* 'Spring Bouquet'     | Spring Bouquet Viburnum |
| SH 104 | *Westringia fruticosa (rosmariniformis)* | Coast Rosemary |
| SH 105 | *Xylosma congestum*                        | (Shiny)Xylosma |
| **VINES** | **BOTANICAL** | **COMMON** |
| VI 106 | *Bougainvillea* hybrids | Bougainvillea |
| VI 107 | *Clematis* hybrids  | Clematis  |
| VI 108 | *Clytostoma callistegioides* | Violet Trumpet Vine |
| VI 109 | *Gelsemium sempervirens* | Carolina Jessamine |
| VI 110 | *Hardenbergia violacea* | Lilac Vine |
| VI 111 | *Jasminum polyanthum* | Pink Jasmine |
| VI 112 | *Mandevilla x ‘*Alice du Pont’ | Alice Du Pont Mandevilla |
| VI 113 | *Pandorea jasminoides ‘*Rosea’ | Pink Bower Vine |
| VI 114 | *Parthenocissus tricuspidata* | Boston Ivy |
| VI 115 | *Passiflora spp.* | Passion Vine |
| VI 116 | *Solanum laxum (jasminoides)* | Potato Vine |
| VI 117 | *Stephanotis floribunda* | Madagascar Jasmine |
| VI 118 | *Thunbergia alata* | Black-Eyed Susan Vine |
| VI 119 | *Trachelospermum jasminoides* | Star Jasmine |
| VI 120 | *Wisteria sinensis* | Chinese Wisteria |
| **FERNS** | **BOTANICAL** | **COMMON** |
| FE 121 | *Athyrium niponicum pictum*  | Japanese Painted Fern  |
| FE 122 | *Asplenium bulbiferum* | Mother Fern |
| FE 123 | *Cyathea cooperi* | Australian Tree Fern |
| FE 124 | *Dicksonia antarctica* | Tasmanian Tree Fern |
| FE 125 | *Dryopteris erythrosora*  | Autumn Fern |
| FE 126 | *Polystichum munitum* | Western Sword Fern |
| FE 127 | *Rumohra adiantiformis* | Leatherleaf Fern |
| FE 128 | *Woodwardia fimbriata* | Giant Chain Fern |
| **PERENNIALS** | **BOTANICAL** | **COMMON** |
| PE 129 | *Achillea millefolium* | Common Yarrow |
| PE 130 | *Acorus gramineus* hybrids | Japanese Sweet Flag |
| PE 131 | *Agapanthus* hybrids | Lily-of-the-Nile (Lily of the Nile)  |
| PE 132 | *Argyranthemum (Chrysanthemum) frutescens* | Marguerite |
| PE 133 | *Alstroemeria hybrids* | Peruvian Lily (Alstroemeria) |
| PE 134 | *Aquilegia hybrids* | Columbine |
| PE 135 | *Asclepias spp.*  | Milkweed |
| PE 136 | *Bergenia cordifolia* | Heartleaf Bergenia |
| PE 137 | *Canna hybrids* | Canna |
| PE 138 | *Carex comans* | New Zealand Hair Sedge |
| PE 139 | *Centauria cineraria* | Dusty Miller |
| PE 140 | *Clivia miniata* | Clivia |
| PE 141 | *Coreopsis grandiflora* | Coreopsis |
| PE 142 | *Delphinium elatum* | Candle Delphinium |
| PE 143 | *Digitalis purpurea* | Common Foxglove |
| PE 144 | *Ensete ventricosum (Musa ensete)* | Abyssinian Banana |
| PE 145 | *Erigeron karvinskianus* | Mexican Daisy, (Santa Barbara Daisy) |
| PE 146 | *Gaillardia x grandiflora hybrids* | Gaillardia |
| PE 147 | *Gaura lindheimeri ‘Siskiyou Pink’* | Pink Gaura |
| PE 148 | *Geranium sanguineum* | Bloody Cranesbill |
| PE 149 | *Helleborus orientalis* | Lenten Rose |
| PE 150 | *Hemerocallis hybrids* | Daylily |
| PE 151 | *Heuchera sanguinea* | Coral Bells, (Alum Root) |
| PE 152 | *Hosta hybrids* | Plantain Lily |
| PE 153 | *Iberis sempervirens* | Evergreen Candytuft |
| PE 154 | *Juncus patens* | California Gray Rush |
| PE 155 | *Lamium maculatum* | Dead Nettle, (Spotted Nettle) |
| PE 156 | *Lavandula angustifolia* | English Lavender |
| PE 157 | *Leucanthemum x superbum (Chrysanthemum maximum*) | Shasta Daisy |
| PE 158 | *Limonium perezii* | Statice, (Sea Lavender) |
| PE 159 | *Miscanthus sinensis hybrids* | Eulalia (Japanese Silver Grass) |
| PE 160 | *Nemesia caerulea (fruticans) hybrids* | Nemesia |
| PE 161 | *Ophiopogon jaburan (Liriope gigantea)* | Giant Lily Turf |
| PE 162 | *Pelargonium x hortorum* | Common Geranium, (Garden Geranium) |
| PE 163 | *Penstemon x* hybrids | Border Penstemon, (Garden Penstemon) |
| PE 164 | *Salvia greggii* | Autumn Sage |
| PE 165 | *Salvia leucantha* | Mexican Bush Sage |
| PE 166 | *Scabiosa columbaria ‘*Butterfly Blue’ | Pincushion Flower |
| PE 167 | *Scaevola aemula* | Fan Flower |
| PE 168 | *Sutera cordata* | Bacopa |
| PE 169 | *Tulbaghia violacea* | Society Garlic |
| PE 170 | *Zantedeschia aethiopica* | Common Calla |
| **BEDDING PLANTS** | **BOTANICAL** | **COMMON** |
| BP 171 | *Ageratum houstonianum* | Floss Flower |
| BP 172 | *Antirrhinum majus* | Snapdragon |
| BP 173 | *Begonia semperflorens* | Bedding Begonia, (Fibrous Begonia) |
| BP 174 | *Bellis perennis* | English Daisy |
| BP 175 | *Calendula officinalis* | Calendula, (Pot Marigold) |
| BP 176 | *Calibrachoa hybrids* | Million Bells |
| BP 177 | *Catharanthus roseus (Vinca rosea)* | Madagascar Periwinkle, (Vinca) |
| BP 178 | *Celosia plumosa* | Cockscomb |
| BP 179 | *Cosmos bipinnatus* | Cosmos |
| BP 180 | *Cyclamen persicum* | Florists’ Cyclamen |
| BP 181 | *Dahlia hybrids* | Bedding Dahlia |
| BP 182 | *Eustoma grandiflorum (Lisianthus russellianthus)* | Lisianthus |
| BP 183 | *Impatiens walleriana* | Impatiens |
| BP 184 | *Lobelia erinus* | Lobelia |
| BP 185 | *Lobularia maritima* | Sweet Alyssum |
| BP 186 | *Matthiola incana* | Stock |
| BP 187 | *Papaver nudicaule* | Iceland Poppy |
| BP 188 | *Pericallis x hybrida (Senecio x hybridus)* | Cineraria |
| BP 189 | *Petunia* hybrids | Petunia |
| BP 190 | *Phlox drummondii* | Phlox |
| BP 191 | *Portulaca grandiflora* | Rose Moss |
| BP 192 | *Primula x polyantha* | English Primrose |
| BP 193 | *Salvia farinacea* | Mealycup Sage |
| BP 194 | *Solenostemon scutellarioides (Coleus x hybridus)* | Coleus  |
| BP 195 | *Tagetes hybrids* | Marigold |
| BP 196 | *Viola x wittrockiana* | Pansy |
| BP 197 | *Zinnia elegans* | Zinnia |
| **GROUND COVERS** | **BOTANICAL** | **COMMON** |
| GC 198 | *Ajuga reptans*  | Carpet Bugle |
| GC 199 | *Aptenia cordifolia* | Red Apple |
| GC 200 | *Campanula poscharskyana* | Serbian Bellflower |
| GC 201 | *Drosanthemum floribundum* | Rosea Ice Plant |
| GC 202 | *Festuca glauca (cineria)* | Common Blue Fescue |
| GC 203 | *Hedera helix*  | English Ivy |
| GC 204 | *Hypericum calycinum* | Aaron’s Beard, (Creeping St. Johnswort) |
| GC 205 | *Lantana montevidensis (sellowiana)* | Trailing Lantana |
| GC 206 | *Mentha requienii* | Corsican Mint |
| GC 207 | *Ophiopogon japonicus* | Mondo Grass |
| GC 208 | *Osteospermum fruticosum* | Trailing African Daisy, (Freeway Daisy) |
| GC 209 | *Pachysandra terminalis* | Japanese Spurge |
| GC 210 | *Pratia pedunculata (Laurentia fluviatilis)* | Blue Star Creeper |
| GC 211 | *Rosmarinus officinalis*  | Trailing Rosemary |
| GC 212 | *Sagina subulata* | Irish Moss |
| GC 213 | *Soleirolia (Helxine) soleirolii* | Baby’s Tears |
| GC 214 | *Thymus serpyllum (praecox arcticus)* | Woolly Thyme (Mother-Of-Thyme) |
| GC 215 | *Trachelospermum asiaticum* | Asian Jasmine |
| GC 216 | *Verbena peruviana (chamaedrifolia)* | Verbena |
| GC 217 | *Vinca minor* | Dwarf Periwinkle |
| **HOUSE PLANTS** | **BOTANICAL** | **COMMON** |
| HP 218 | *Alpinia vittata* | Variegated Ginger |
| HP 219 | *Anthurium andraeanum* | Anthurium (Spathe Flower) |
| HP 220 | *Aspidistra elatior* | Cast-iron plant |
| HP 221 | *Beaucarnia (Nolina) recurvata* | Bottle Palm, Ponytail Palm |
| HP 222 | *Caladium bicolor* | Fancy-leafed Caladium |
| HP 223 | *Chamaedorea elegans* | Areca Palm |
| HP 224 | *Chlorophytum comosum* | Spider Plant |
| HP 225 | *Cissus rhombifolia* | Grape Ivy |
| HP 226 | *Cymbidium hybrids* | Cymbidium Orchid |
| HP 227 | *Ficus benjamina* | Weeping Fig |
| HP 228 | *Ficus lyrata*  | Fiddleleaf Fig |
| HP 229 | *Howea forsteriana* | Paradise Palm, (Kentia Palm) |
| HP 230 | *Kalanchoe blossfeldiana* | Kalanchoe |
| HP 231 | *Nephrolepis exaltata ‘*Bostoniensis*’* | Boston Fern |
| HP 232 | *Phalaenopsis* hybrids | Moth Orchid |
| HP 233 | *Plumeria rubra* | Plumeria |
| HP 234 | *Rhapsis excelsa* | Lady Palm |
| HP 235 | *Sanseveria trifasciata* | Snake Plant, (Mother-In-Law’s Tongue) |
| HP 236 | *Schefflera (Dizygotheca) elegantissima* | Threadleaf (False) Aralia |
| HP 237 | *Tillandsia cyanea* | Air Plant |
| HP 238 | *Tolmiea menziesii* | Piggyback Plant |
| HP 239 | *Tradescantia zebrina (Zebrina pendula)* | Wandering Jew |
| **CACTI AND SUCCULENTS** | **BOTANICAL** | **COMMON** |
| CS 240 | *Agave americana* | Century Plant |
| CS 241 | *Aloe vera* | Medicinal Aloe |
| CS 242 | *Calandrinia grandiflora* | Rock Purslane |
| CS 243 | *Crassula spp.*  | Crassula |
| CS 244 | *Echeveria* spp. | Echeveria  |
| CS 245 | *Euphorbia tirucalli* ‘Sticks on Fire’ | Red Pencil Tree |
| CS 246 | *Hesperaloe* spp. | Hesperaloe |
| CS 247 | *Kalanchoe luciae* ‘Flapjack’ | Paddle Plant |
| CS 248 | *Opuntia* spp. | Opuntia |
| CS 249 | *Sedum* spp. | Stonecrop |
| CS 250 | *Sempervivum* spp. | Sempervivum |

Buds and Grafts, Tools and Materials Identification. Twenty (20) items will be selected from the following list:

Buds:

|  |  |
| --- | --- |
|  | Tee |

Grafts:

|  |  |
| --- | --- |
|  | Cleft |
|  | Side |
|  | Whip |

Tools and Materials:

|  |  |
| --- | --- |
|  | #1 Container |
|  | #15 Container |
|  | #5 Container |
|  | Action Hoe (ex: Hula Hoe) |
|  | Ammonium Sulfate |
|  | Atmospheric Breaker |
|  | Azalea Pot |
|  | Blood Meal |
|  | Bone Meal |
|  | Broadcast Spreader |
|  | Bulb Planter |
|  | Carrying Flat |
|  | Cell Pack |
|  | Class 200 PVC Pipe |
|  | Core Aerator |
|  | Cut Off Riser |
|  | Decorative Bark |
|  | Dibble |
|  | Drip Emitter |
|  | Drop Spreader |
|  | Flaring Rose Nozzle |
|  | Flex Riser |
|  | Forest Humus |
|  | Garden Hoe |
|  | Garden Rake |
|  | Garden Trowel |
|  | Gypsum |
|  | Hand Cultivator |
|  | Hand Pruners (Anvil Type) |
|  | Hand Pruners (Bypass Type) |
|  | Hedge Shears |
|  | Hose End Fogging Nozzle |
|  | Hose End Sprayer |
|  | Hose Mender |
|  | Hose-on Proportioner |
|  | Impact Sprinkler |
|  | Landscape Rake |
|  | Lawn Rake |
|  | Liner |
|  | Lopper |
|  | Manual Valve |
|  | Nursery Tape |
|  | Peat Moss |
|  | Peat Pot |
|  | Perlite |
|  | Pick |
|  | Plant Label |
|  | Plant/Tree Stake |
|  | Pole Pruner |
|  | Polyethylene Drip Tube |
|  | Pop Up Spray Head |
|  | Pot Label |
|  | Propagation Flat |
|  | Pruning Saw |
|  | Root Feeder |
|  | Rotor Sprinkler |
|  | Round Point Shovel |
|  | Sand |
|  | Schedule 40 PVC Pipe |
|  | Schedule 80 Riser |
|  | Screed |
|  | Scuffle Hoe |
|  | Slow Release Fertilizer (ex: Osmocote) |
|  | Soil Probe |
|  | Solenoid Valve |
|  | Spading Fork |
|  | Sphagnum Moss |
|  | Spotting Board |
|  | Square Point Shovel |
|  | Standard Pot |
|  | Sulfur |
|  | Superphosphate |
|  | Swing Arm Riser |
|  | Tamp |
|  | Tank Sprayer |
|  | Vermiculite |
|  | Water Breaker |
|  | Mattock Planter |
|  | Minimum/Maximum Thermometer |
|  | Soil Thermometer |
|  | Trenching Shovel |

**Nursery Contest**

**Identification Answer Sheet**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Chapter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score (x4) \_\_\_\_\_\_**

1.
1. [↑](#footnote-ref-1)
2. [↑](#endnote-ref-1)