

# Nursery & Landscape

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**Location:** Remote/Virtual

**Contest Date:** Thursday, May 6th, 12:45-3 p.m.

## General Information

The contest will be entirely online in 2021. Teams of four can compete; the top three scores will count for the team total. Each of the three CDE sections will account for 1/3 of each contestant's final score.

**A. General Knowledge Examination - (100 points) 45 minutes**

- 40 multiple choice questions over general knowledge of the horticulture industry, nursery production practices, landscape design and maintenance

**B. Plant Identification - (150 points) 45 minutes**

- 50 specimens selected from the state nursery/landscape plant list.
- **\*\*UPDATED TO ALIGN WITH NATIONAL LIST\*\***

**C. Practicums - Three practicums (100 points total) 45 minutes**

**1. Equipment and Supplies Identification (40 points)**

- 16 items
- Includes identification of tools, containers, and growing mix materials

**2. Pests, Disorders, and Beneficial Insect Identification (40 points)**

- 16 items
- Includes problems associated with insects, diseases or environmental factors as well as beneficial insects

**3. Landscape Drawing (20 points)**

- 8 questions
- Evaluation or interpretation of landscape designs

*\*\*Registration for the Landscape/Nursery CDE is separate from the Floriculture CDE registration\*\**

## References for the FFA Nursery and Landscape CDE Examination

Ingels, Jack. Ornamental Horticulture: Science, Operations and Management. Third Edition, 2001  
Delmar Publishers

Reiley, H. Edward and Carroll L. Shry, Jr. Introductory Horticulture. Sixth Edition. 2002. Delmar  
Publishers.



# Nursery and Landscape Plant Identification List

\*\*Aligns with National List\*\*

## No. Common Name (Botanical Name)

### **Turfgrasses**

1. Bermudagrass (*Cynodon dactylon*)
2. Bluegrass, Kentucky (*Poa pratensis*)
3. Buffalograss (*Buchloe dactyloides*)
4. Fescue, Tall (*Festuca arundinacea*)
5. Zoysiagrass (*Zoysia* sp.)

### **Ground Covers**

6. Ajuga, Carpet Bugle (*Ajuga reptans*)
7. Boston Ivy (*Parthenocissus tricuspidata*)
8. Clematis (*Clematis* sp.)
9. English Ivy (*Hedera helix*)
10. Honeysuckle, Halls (*Lonicera japonica*)
11. Japanese Spurge (*Pachysandra terminalis*)
12. Periwinkle (*Vinca minor*)
13. Virginia Creeper (*Parthenocissus quinquefolia*)
14. Wintercreeper (*Euonymus fortunei* cv.)

### **Shrubs**

15. Arborvitae (*Thuja occidentalis* cv.)
16. Barberry, Japanese (*Berberis thunbergii*)
17. Boxwood, Common (*Buxus sempervirens*)
18. Cotoneaster (*Cotoneaster* sp.)
19. Crapemyrtle (*Lagerstroemia indica*)
20. Euonymus, Winged (*Euonymus alatus*)
21. Firethorn (*Pyracantha coccinea*)
22. Forsythia (*Forsythia x intermedia*)
23. Holly (*Ilex* sp.)
24. Hydrangea, Oakleaf (*Hydrangea quercifolia*)
25. Juniper (*Juniperus* sp.)
26. Lilac, Common (*Syringa vulgaris*)
27. Oregon Grapeholly (*Mahonia aquafolia* cv.)
28. Pine, Mugo (*Pinus mugo*)
29. Potentilla (*Potentilla fruticosa* cv.)
30. Quince, Japanese (*Chaenomeles speciosa*)
31. Rhododendron (*Rhododendron* sp.)
32. Rose, Hybrid Tea (*Rosa* sp.)
33. Rose-of-Sharon (*Hybiscus syriacus*)
34. Spirea, Bumald (*Spiraea x bumalda*)
35. Sumac, Staghorn (*Rhus typhina*)
36. Sweet Mockorange (*Philadelphus coronarius*)
37. Viburnum (*Viburnum* sp.)

38. Weigela, Old-Fashioned (*Weigela florida*)

39. Yew (*Taxus* sp.)

### **Trees**

40. Ash, Green (*Fraxinus pennsylvanica*)
41. Baldcypress (*Taxodium distichum*)
42. Birch, River (*Betula nigra*)
43. Catalpa (*Catalpa* sp.)
44. Cherry, Flowering (*Prunus serrulata*)
45. Cottonwood (*Populus deltoides*)
46. Coffeetree, Kentucky (*Gymnocladus dioica*)
47. Crabapple, Flowering (*Malus* sp.)
48. Dogwood, Flowering (*Cornus florida*)
49. Elm, American (*Ulmus americana*)
50. Elm, Siberian (*Ulmus pumila*)
51. Elm, Chinese (*Ulmus parvifolia*)
52. Ginkgo (*Ginkgo biloba*)
53. Goldenraintree (*Koelreuteria paniculata*)
54. Hackberry (*Celtis occidentalis*)
55. Hawthorn, Downy (*Crataegus mollis*)
56. Hawthorn, Washington (*Crataegus phaenopyrum*)
57. Hickory, Shagbark (*Carya ovata*)
58. Honeylocust (*Gleditsia triacanthos*)
59. Linden, Littleleaf (*Tilia cordata*)
60. Magnolia, Saucer (*Magnolia x soulangiana*)
61. Maple, Japanese (*Acer palmatum*)
62. Maple, Norway (*Acer platanoides*)
63. Maple, Red (*Acer rubrum*)
64. Maple, Silver (*Acer saccharinum*)
65. Maple, Sugar (*Acer saccharum*)
66. Mountainash, European (*Sorbus aucuparia*)
67. Mulberry (*Morus alba*)
68. Oak, Bur (*Quercus macrocarpa*)
69. Oak, Chinquapin (*Quercus muehlenbergii*)
70. Oak, Pin (*Quercus palustris*)
71. Oak, Red (*Quercus rubra*)
72. Osage Orange (*Maclura pomifera*)
73. Pear, Callery (*Pyrus calleryana*)
74. Pine, Austrian (*Pinus nigra*)
75. Pine, Ponderosa (*Pinus ponderosa*)
76. Pine, Scotch (*Pinus palustris*)
77. Pine, White (*Pinus strobus*)
78. Redbud (*Cercis canadensis*)
79. Russian Olive (*Eleagnus angustifolia*)



80. Spruce, Colorado (*Picea pungens*)
81. Spruce, Norway (*Picea abies*)
82. Sweetgum (*Liquidambar styraciflua*)
83. Sycamore (*Platanus occidentalis*)
84. Willow (*Salix* sp.)

**Plants/Perennials/Bulbs**

85. Columbine (*Aquilegia x hybrida* cv.)
86. Coneflower (*Echinacea purpurea*)
87. Crocus (*Colchicum autumnale*)
88. Daffodil (*Narcissus* sp.)
89. Daylily (*Hemerocallis* sp.)
90. Hen and Chicks (*Sempervivum tectorum*)
91. Hyacinth (*Hyacinthus orientalis*)
92. Iris (*Iris* hybrids)
93. Peony (*Paeonia* hybrid)

94. Plantain Lily (*Hosta plantaginea*)
95. Rudbeckia (*Rudbeckia hirta*)
96. Shasta Daisy (*Chrysanthemum x superbum*)
97. Tulip (*Tulipa* sp.)
98. Yucca (*Yucca filamentosa*)

**Fruits & Nuts (plant part or edible portion)**

99. Grape (*Vitis* sp.)
100. Walnut, Black (*Juglans nigra*)

## Nursery/Landscape Equipment and Supplies Practicum Identification List

- |     |   |     |                                   |
|-----|---|-----|-----------------------------------|
| No. | Item Name                               | 34. | hose repair coupling              |
| 1.  | Anvil-and-blade pruner                  | 35. | impact sprinkler                  |
| 2.  | ball cart (b&B truck)                   | 36. | landscape fabric                  |
| 3.  | bark mulch                              | 37. | leaf rake                         |
| 4.  | bow saw                                 | 38. | loppers                           |
| 5.  | broadcast (cyclone) spreader            | 39. | mattock                           |
| 6.  | bubbler head, irrigation                | 40. | measuring wheel                   |
| 7.  | bulb planter                            | 41. | mist nozzle (mist bed)            |
| 8.  | bunker rake                             | 42. | mower blade balancer              |
| 9.  | burlap                                  | 43. | nursery container                 |
| 10. | compressed air sprayer tank pressurized | 44. | oscillating sprinkler             |
| 11. | core aerifier                           | 45. | peat moss                         |
| 12. | chain saw                               | 46. | pick                              |
| 13. | cut-off machine                         | 47. | planting/earth/soil auger         |
| 14. | drip emitter, irrigation                | 48. | pole pruner                       |
| 15. | dry-lock wall block                     | 49. | polyethylene pipe                 |
| 16. | edger (power or hand)                   | 50. | pop-up irrigation head            |
| 17. | edging                                  | 51. | post-hole digger                  |
| 18. | erosion netting                         | 52. | power blower                      |
| 19. | fertilizer injector                     | 53. | power hedge trimmer               |
| 20. | fertilizer tablet                       | 54. | pot-in-pot units                  |
| 21. | garden (spading) fork                   | 55. | pump sprayer tank not pressurized |
| 22. | garden (bow) rake                       | 56. | propagation mat                   |
| 23. | grafting band                           | 57. | pruning saw                       |
| 24. | grafting knife                          | 58. | reel mower                        |
| 25. | granular fertilizer                     | 59. | resin-coated fertilizer           |
| 26. | gravity (drop) spreader                 | 60. | rotary mower                      |
| 27. | ground (pelleted) limestone             | 61. | rototiller                        |
| 28. | hedge shears                            | 62. | round point shovel                |
| 30. | hook-and-blade (bypass) pruners         | 63. | scoop shovel                      |
| 31. | hose-end repair fitting                 | 64. | shade fabric                      |
| 32. | hose-end sprayer                        | 65. | sharpening stone                  |
| 33. | hose-end washer                         | 66. | siphon proportioner               |



67. soaker hose
68. soil sampling tube
69. solenoid valve
70. spade
71. sphangnum moss
72. square point (flat) shovel
73. string trimmer

74. thatch rake
75. tree caliper
76. tree wrap
77. trowel
78. vertical mower
79. water breaker
80. wire tree basket

## Nursery/Landscape Pests, Disorders, and Beneficial Insects Practicum Identification List

### **Insects**

1. Aphid
2. Bagworm
3. Borer
4. Leafhopper
5. Leaf Miner
6. Scale
7. Spider Mite
8. Snail/Slug
9. Whitefly
10. White Grub

### **Diseases**

11. Anthracnose
12. Apple Scab
13. Black Spot
14. Botrytis
15. Canker
16. Cedar-Apple Rust
17. Crown Gall
18. Fireblight
19. Powdery Mildew
20. Root Rot

### **Weeds**

21. Annual Bluegrass
22. Broadleaf Plantain
23. Buckthorn Plantain
24. Chickweed
25. Crabgrass
26. Dandelion
27. Henbit
28. Nutsedge
29. Oxalis
30. Purslane
31. Clovers

### **Physiological Problems**

32. Frost/Freeze Injury
33. Iron Deficiency
34. Leaf Scorch (drought/winter burn)
35. Nitrogen Deficiency
36. Pot-Bound Roots
37. String Trimmer Injury
38. 2, 4-D Injury

### **Beneficial Insects**

39. Praying Mantis
40. Lady Beetle
41. Paper Wasp
42. Lacewing
43. Spider

