

**2022 Kansas FFA Nursery and Landscape CDE Guidelines**  
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**Sunday May 1, 2022**  
**Lobby, 1st Floor - Throckmorton Hall**  
Registration\*\*: 3:30 pm - 4:00 pm  
Welcome: 4:05 pm – 4:10 pm  
Contest: 4:15 pm – 6:30 pm

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

The contest will be in person for 2022. Teams of four can compete; the top three scores will count for the team total. Each of the three CDE sections will be account for 1/3 of each contestant's final score.

All scoring will be done with the national contest score sheets and graded by computer. This contest will be scored with JudgingCard.com. To accommodate the scorecard formats that are available, we reserve the ability to alter the number of questions in each section.

- A. General Knowledge Written Examination** - (100 points) 30 minutes
- 40 multiple choice questions over general knowledge of the horticulture industry, nursery production practices, landscape design and maintenance
- B. Plant Identification** - (100 points) 30 minutes
- 50 specimens selected from the state nursery/landscape plant list. *See attached list.*
- C. Practicums** - Three practicums (100 points total) 30 minutes
1. **Equipment and Supplies Identification** (40 points)
    - Includes identification of tools, containers, and growing mix materials
    - *See Attached: "Nursery/Landscape Equipment and Supplies Practicum Identification List"*
  2. **Pests, Disorders, and Beneficial Insect Identification** (40 points)
    - Includes problems associated with insects, diseases or environmental factors as well as beneficial insects
    - *See Attached: "Nursery/Landscape Pests, Disorders, and Beneficial Insects Practicum Identification List."*
  3. **Landscape Drawing** (20 points)
    - Evaluation or interpretation of landscape designs

**References for the FFA Nursery and Landscape CDE Examination**

- Ingels, Jack. Ornamental Horticulture: Science, Operations and Management. 3<sup>rd</sup> Edition, 2001 Delmar Publishers.
- Reiley, H. Edward and Carroll L. Shry, Jr. Introductory Horticulture. Sixth Edition. 2002. Delmar Publishers.

## Horticulture Contest 2022 ID List

### Nursery and Landscape Plants

001. *Abelia x grandiflora* (Glossy Abelia)
002. *Acer palmatum* cv. (Japanese Maple)
003. *Acer platanoides* cv. (Norway Maple)
004. *Acer rubrum* cv. (Red Maple)
005. *Acer saccharinum* (Silver Maple)
006. *Acer saccharum* cv. (Sugar Maple)
007. *Ajuga reptans* cv. (Carpet Bugle)
008. *Aquilegia x hybrida* cv. (Columbine)
009. *Berberis* sp. and cv. (Barberry)
010. *Betula nigra* (River Birch)
011. *Buchloe dactyloides* (Buffalograss)
012. *Buxus* sp. and cv. (Boxwood)
013. *Catalpa* sp. (Catalpa)
014. *Cedrus atlantica* 'Glauca' (Blue Atlas Cedar)
015. *Celtis occidentalis* (Hackberry)
016. *Cercis canadensis* (Redbud)
017. *Chaenomeles speciosa* (Japanese Quince)
018. *Clematis* hybrid (Clematis)
019. *Colchicum autumnale* (Crocus)
020. *Cornus florida* cv. (Flowering Dogwood)
021. *Cotoneaster* sp. (Cotoneaster)
022. *Crataegus phaenopyrum* (Washington Hawthorn)
023. *Cynodon dactylon* (Bermudagrass)
024. *Echinaceae purpurea* (Purple Coneflower)
025. *Euonymus alatus* (Winged Euonymus)
026. *Euonymus fortunei* cv. (Wintercreeper)
027. *Festuca* sp. (Fescue)
028. *Forsythia x intermedia* cv. (Border Forsythia)
029. *Fraxinus* sp. (Ash)
030. *Ginkgo biloba* (Ginkgo, Maidenhair Tree)
031. *Gleditsia triacanthos* var. *inermis* (Thornless Honeylocust)
032. *Gymnocladus dioica* (Kentucky Coffeetree)
033. *Hedera helix* cv. (English Ivy)
034. *Hemerocallis* sp. and cv. (Daylily)
035. *Hibiscus syriacus* (Rose-of-Sharon)
036. *Hosta x hybrida* cv. (Plantain Lily)
037. *Hyacinthus orientalis* (Hyacinth)
038. *Hydrangea macrophylla* (Bigleaf Hydrangea)
039. *Hydrangea quercifolia* (Oakleaf Hydrangea)
040. *Ilex* sp. (Holly)
041. *Iris x germanica* florentina cv. (Bearded Iris)
042. *Juglans nigra* (Black Walnut)

043. *Juniperus* sp. (Juniper)
044. *Koelreuteria paniculata* (Goldenraintree)
045. *Lagerstroemia indica* cv. (Crapemyrtle)
046. *Leucanthemum x superbum* cv. (Shasta Daisy)
047. *Liquidambar styraciflua* (Sweetgum)
048. *Liriodendron tulipifera* (Tuliptree)
049. *Lonicera japonica* (Japanese Honeysuckle)
050. *Maclura pomifera* (Osage Orange)
051. *Magnolia x soulangiana* (Saucer Magnolia)
052. *Mahonia aquifolium* (Oregon Grapeholly)
053. *Malus* sp. and cv. (Flowering Crabapple)
054. *Morus* sp. (Mulberry)
055. *Myrica pensylvanica* (Bayberry)
056. *Nandina domestica* (Heavenly Bamboo)
057. *Narcissus pseudonarcissus* cv. (Daffodil)
058. *Pachysandra terminalis* (Japanese Spurge)
059. *Paeonia hybrida* cv. (Peony)
060. *Parthenocissus tricuspidata* (Boston Ivy)
061. *Philadelphus coronarius* (Sweet Mockorange)
062. *Picea abies* (Norway Spruce)
063. *Picea pungens* cv. (Colorado Blue Spruce)
064. *Pinus mugo* (Mugo Pine)
065. *Pinus nigra* (Austrian Pine)
066. *Pinus ponderosa* (Ponderosa Pine)
067. *Pinus strobus* (Eastern White Pine)
068. *Pinus sylvestris* (Scots Pine)
069. *Platanus occidentalis* (Sycamore)
070. *Poa pratensis* (Kentucky Bluegrass)
071. *Populus deltoides* (Cottonwood)
072. *Potentilla fruticosa* (Shrubby Cinquefoil)
073. *Prunus serrulata* (Japanese Flowering Cherry)
074. *Pyracantha coccinea* (Firethorn)
075. *Pyrus calleryana* (Callery Pear)
076. *Quercus macrocarpa* (Burr Oak)
077. *Quercus palustris* (Pin Oak)
078. *Quercus rubra* (Red Oak)
079. *Rhododendron* sp. and cv. (Azalea)
080. *Rhus* sp. (Sumac)
081. *Rosa* sp. (Landscape/Shrub Rose)
082. *Rudbeckia hirta* (Rudbeckia)
083. *Salix* sp. (Willow)
084. *Sedum* sp. (Sedum)
085. *Sempervivum tectorum* (Hen and Chicks)
086. *Spiraea* sp. and cv. (Spirea)
087. *Syringa vulgaris* cv. (Common Lilac)

088. *Taxodium distichum* (Baldcypress)
089. *Taxus* sp. and cv. (Yew)
090. *Thuja occidentalis* cv. (American Arborvitae)
091. *Tilia* sp. (Linden)
092. *Tulipa* sp. and cv. (Tulip)
093. *Ulmus americana* (American Elm)
094. *Ulmus parvifolia* (Chinese Elm)
095. *Ulmus pumila* (Siberian Elm)
096. *Viburnum* sp. (Viburnum)
097. *Vinca minor* (Periwinkle)
098. *Weigela florida* cv. (Old-fashioned Weigela)
099. *Wisteria sinensis* (Chinese Wisteria)
100. *Yucca filamentosa* (Adam's Needle Yucca)

# Nursery/Landscape Equipment and Supplies Practicum Identification List

<u>No.</u>	<u>Item Name</u>	<u>No.</u>	<u>Item Name</u>
1	anvil-and-blade pruner	41	mist nozzle (mist bed)
2	ball cart (B&B truck)	42	mower blade balancer
3	bark mulch	43	nursery container
4	bow saw	44	oscillating sprinkler
5	broadcast (cyclone) spreader	45	peat moss
6	bubbler head, irrigation	46	pick
7	bulb planter	47	planting/earth/soil auger
8	bunker rake	48	pole pruner
9	burlap	49	polyethylene pipe
10	compressed air sprayer tank pressurized	50	pop-up irrigation head
11	core aerifier	51	post-hole digger
12	chain saw	52	power blower
13	cut-off machine	53	power hedge trimmer
14	drip emitter, irrigation	54	pot-in-pot units
15	dry-lock wall block	55	pump sprayer tank not pressurized
16	edger (power or hand)	56	propagation mat
17	edging	57	pruning saw
18	erosion netting	58	reel mower
19	fertilizer injector	59	resin-coated fertilizer
20	fertilizer tablet	60	rotary mower
21	garden (spading) fork	61	rototiller
22	garden (bow) rake	62	round point shovel
23	grafting band	63	scoop shovel
24	grafting knife	64	shade fabric
25	granular fertilizer	65	sharpening stone
26	gravity (drop) spreader	66	siphon proportioner
27	ground (pelleted) limestone	67	soaker hose
28	hedge shears	68	soil sampling tube
29	hoe	69	solenoid valve
30	hook-and-blade (bypass) pruners	70	spade
31	hose-end repair fitting	71	sphagnum moss
32	hose-end sprayer	72	square point (flat) shovel
33	hose-end washer	73	string trimmer
34	hose repair coupling	74	thatch rake
35	impact sprinkler	75	tree caliper
36	landscape fabric	76	tree wrap
37	leaf rake	77	trowel
38	loppers	78	vertical mower
39	mattock	79	water breaker
40	measuring wheel	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