Nursery/Landscape CDE 2026

PURPOSE

The Nursery/Landscape Contest includes all aspects of the industry in producing, marketing, utilizing, and maintaining landscape plants (woody and herbaceous plants and turfgrasses), plus related products, equipment, and services including landscape design.

ELIGIBILITY

The participant must be an active member of a chartered West Virginia FFA Chapter and enrolled in grades 9, 10, 11, or 12. Each chapter may enter one team.

EVENT PROCEDURE

The event will be a team event consisting of four students. A team may compete with less than 4 members, but will not be eligible for team events. FFA members will wear official dress or professional dress as it pertains to the profession. For example, Black pants white shirt or button up shirt.

Teams and/or schools or coaches will not visit the WVU greenhouses after September 1.

No FFA advisors/coaches will be allowed in the area of the contest, but arrangements will be made to view the specimens following the contest.

PRACTICUMS

A general knowledge exam, ID of Plant Materials, Equipment, and Supplies, Landscape Estimating, Assessments and Solutions

EVENT MATERIALS

MATERIALS STUDENTS MUST PROVIDE

- Pencils
- Clipboards
- Electronic Calculator

INDIVIDUAL PRACTICUMS

GENERAL KNOWLEDGE EXAMINATION

Fifty (50) question objective multiple-choice exam will be prepared on topics reflecting subject areas in the contest objectives. This contest phase will evaluate the contestant's knowledge and understanding of basic horticultural principles in producing, marketing, using, and maintaining nursery plants and turf. Contestants are allowed 50 minutes to complete this phase. Each correct answer is worth three (3) points, examination items will be developed from information found in the references and past National FFA Tests from the past 5 years.

EVALUATION PRACTICUM

IDENTIFICATION OF PLANT MATERIALS, EQUIPMENT, AND SUPPLIES

Participants will identify 50 items selected from the provided list covering the following categories: • Plant Materials (25 items) • Pests and Disorders (10 items) • Equipment and Supplies (15 items) Plants to identify will be presented as intact, live specimens. Equipment may be either an intact item or photograph. Pest and disorder items may be presented as an intact specimen, photograph, or preserved specimen (herbarium sheet, insect mount, etc.). When a problem must be presented with an affected plant, a "Disorder" label will be with the item to designate identification of the problem rather than the plant. Each specimen will be designated by a station number (1- 50).When the participant identifies the item, its name is then located on the identification list. The participant then records the number by that name on Scanning Sheet at the respective station number.
Each participant will be provided a copy of the list at the event site. Three points will be awarded for each correct identification, and participants have 50 minutes to complete this event phase. No specimens or items may be touched or handled in any way. .

LANDSCAPE ESTIMATING

This practicum section is designed to evaluate contestant 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 contestants. There will be objective questions about the landscape plan. Participants will record their answers using a scan form. Thirty (30) minutes will be allowed for this practicum. Each correct answer is worth 5 points each. Past national contests will be used to provide examples for the event. Landscape estimating drawings and questions will come from the past 5 years of the National Nursery Landscape CDE Tests.

Propagating Nursery Stock: Each participant will be furnished with a stock plant or stock plant material, rooting flat and media, rooting hormone, a hand pruner, a label and marking pen. Personal propagating knives or pruners are allowed, if desired. Participants are to prepare the cuttings and place them in the media with a single label.

Potting Nursery Stock: Each participant will be furnished with a supply of plants, nursery containers of appropriate size and growing media. Hand pruners, a label and a marking pen will also be provided. Personal pruners are allowed, if desired. The participants will pot the plants, one per container, using standard nursery practices. Plant division or grading of liners may be involved. One finished container will be labeled.

SCORING

Practicum	Activity	Individual	Team
General Knowledge	Written Exam	150	600
Identification	Evaluation	150	600
Landscape Estimating	Evaluation	100	400
Propagating Nursery Stock	Evaluation	50	200
Planting Nursery Stock	Evaluation	50	200
TOTAL		500	2000

TIE BREAKERS

In the event of a tie in individual scores, the following events will be used in order to determine award recipients:

Individual Tie Breaker: 1) Landscape Estimation, 2) Identification, 3) Written Exam

Team Tie Breaker: Total Team Score on each of the following, 1) Landscape Estimation, 2) Identification, 3) Written Exam

Nursery/Landscape Plant Identification

No.	Botanical Name	Common Name
101	*Abelia x grandiflora cv.*	Glossy Abelia
102	*Acer palmatum cv.*	Japanese Maple
103	*Acer rubrum cv.*	Red Maple
104	*Acer saccharum cv.*	Sugar Maple
105	*Aglaonema commutatum*	'Chinese Evergreen'
106	*Ajuga reptans cv.*	Carpet Bugle
107	*Amelanchier arborea*	Downy Serviceberry
108	*Aquilegia x hybrida cv.*	Columbine
109	*Astilbe hybrid cv.*	Astilbe
110	*Begonia semperflorens-cultorum*	Wax Begonia
111	*Berberis x mentorensis*	Mentor Barberry
112	*Betula nigra*	River Birch
113	*Buddleia davidii cv.*	Butterfly Bush
114	*Buxus microphylla cv.*	Littleleaf Boxwood
115	*Camellia japonica cv.*	Common Camellia
116	*Cedrus atlantica 'Glauca'*	Blue Atlas Cedar
117	*Cercis canadensis*	Redbud
118	*Chaenomeles speciosa cv.*	Japanese (Flowering) Quince
119	*Clematis hybrid*	Clematis
120	*Cornus florida cv.*	Flowering Dogwood
121	*Cotoneaster dammeri*	Bearberry Cotoneaster
122	*Crataegus phaenopyrum*	Washington Hawthorn
123	*Cynodon dactylon cv*	Bermudagrass
124	*Dieffenbachia maculata cv.*	Spotted Dumb Cane
125	*Dracaena deremensis 'Warneckii'*	Striped Dracaena
126	*Dracaena fragens 'Massangeana'*	Corn Plant
127	*Echinaceae purpurea*	Purple Coneflower
128	*Epipremnum spp.*	Pothos
129	*Euonymus alatus*	Winged Euonymus
130	*Euonymus fortunei cv.*	Wintercreeper
131	*Fraxinus American cv.*	White Ash
132	*Festuca spp. and cv.*	Fescue
133	*Ficus benjamina*	Benjamin Fig
134	*Ficus elastica 'Decora'*	Decora Rubber Plant
135	*Forsythia x intermedia cv.*	Border Forsythia
136	*Gaillardia aristata cv.*	Common Blanketflower

No.	Botanical Name	Common Name
137	*Gardenia jasminoides cv.*	Gardenia
138	*Ginkgo biloba*	Ginkgo, Maidenhair Tree
139	*Gleditsia triacanthos inermis cv.*	Thornless Honeylocust
140	*Hedera helix cv.*	English Ivy
141	*Hellaborus orientalis cv.*	Lenten Rose
142	*Hemerocallis spp. and cv.*	Day lily
143	*Heptapleurum actinophylla*	Schefflera, Octopus Tree
144	*Heptapleurum arbicola*	Dwarf Schefflera
145	*Heuchera cv.*	Coral Bells, Alumroot
146	*Hibiscus syriacus cv*	Rose of Sharon
147	*Hosta x hybrida cv.*	Plantain Lily
148	*Hydrangea macrophylla*	Bigleaf Hydrangea
149	*Hydrangea quercifolia*	Oakleaf Hydrangea
150	*Ilex cornuta cv.*	Chinese Holly
151	*Ilex crenata cv.*	Japanese Holly
152	*Ilex x meserveae cv.*	Meserve Holly
153	*Impatiens hybrid cv.*	Impatiens
154	*Itea virginica*	Sweetspire
155	*Juniperus chinensis cv.*	Chinese Juniper
156	*Juniperus horizontalis cv.*	Creeping Juniper
157	*Lagerstroemia indica cv.*	Crape Myrtle
158	*Lavandula angustifolia* *New 2025	*New 2025 English Lavendar
159	*Leucanthemum x superbum cv.*	Shasta Daisy
160	*Liquidambar styraciflua*	Sweet Gum
161	*Liriodendron tulipifera*	Tuliptree
162	*Liriope spp. cv.*	Lilyturf
163	*Lonicera japonica 'Halliana'*	Hall's Japanese Honeysuckle
164	*Magnolia grandiflora cv.*	Southern Magnolia
165	*Magnolia x soulangiana cv.*	Chinese (Saucer) Magnolia
166	*Mahonia aquifolia cv.*	Oregon Grape
167	*Malus spp. and cv.*	Flowering Crabapple
168	*Miscanthus sinensis cv.*	Miscanthus grass
169	*Myrica pensylvanica*	Bayberry
170	*Nandina domestica*	Heavenly Bamboo
171	*Nyssa sylvatica*	Sour (Black) Gum

No.	Botanical Name	Common Name
172	*Pachysandra terminalis*	Japanese Spurge
173	*Paeonia hybrid cv.*	Peony
174	*Parthenocissus tricuspidata*	Boston Ivy
175	*Pelargonium x hortorum cv.*	Zonal Geranium
176	*Pennisetum ruppelia*	Fountain Grass
177	*Petunia x hybrida cv.*	Petunia
178	*Philodendron scandens oxycardium*	Heartleaf Philodendron
179	*Phlox paniculate*	Garden Phlox
180	*Phlox sublata cv.*	Moss Pink
181	*Picea abies*	Norway Spruce
182	*Picea pungens cv.*	Colorado (Blue) Spruce
183	*Pieris japonica*	Lily-of-the-Valley Bush
184	*Pinus mugo*	Mugo Pine
185	*Pinus strobus*	Eastern White Pine
186	*Pinus thunbergiana*	Japanese Black Pine
187	*Platanus x acerifolia*	London Planetree
188	*Poa pratensis cv.*	Kentucky Bluegrass
189	*Podocarpus macrophyllus*	Southern Yew
190	*Potentilla fruticosa cv.*	Shrubby Cinquefoil
191	*Prunus laurocerasus cv.*	Cherry Laurel
192	*Prunus serrulata*	Kwanzan Japanese Flowering Cherry
193	*Pyracantha coccinea cv.*	Firethorn
194	*Quercus alba*	White Oak
195	*Quercus palustris*	Pin Oak
196	*Quercus rubra*	Red Oak
197	*Rhododendron Hybrid*	Exbury Hybrid Azalea
198	*Rhododendron x catawbiense*	Catawba Hybrid Rhododendron
199	*Rosa spp.*	Landscape/Shrub Rose cv.
200	*Rudbeckia fulgida*	Black-eyed Susan
201	*Salvia nemorosa cv.*	Meadow Sage
202	*Sedum spp.*	Sedum
203	*Spiraea x bumalda*	Bumalda Spirea
204	*Syringa vulgaris cv.*	Common Lilac
205	*Taxodium distichum*	Bald Cypress
206	*Taxus spp. and cv.*	Yew
207	*Thuja occidentalis cv.*	American Arborvitae
208	*Tilia cordata*	Littleleaf Linden
209	*Tsuga canadensis*	Canadian Hemlock
210	*Verbena x hybrida cv.*	Garden Verbena
211	*Viburnum trilobum*	American Cranberrybush Viburnum
212	*Viburnum x burkwoodii*	Burkwood Viburnum
213	*Vinca minor cv.*	Periwinkle
214	*Viola x wittrockiana cv.*	Pansy
215	*Weigela florida*	Weigelia
216	*Wisteria sinensis cv.*	Chinese Wisteria
217	*Yucca filamentosa*	Adam's Needle

Pests, Disorders and Beneficial Insects Identification

No.	Item Name
Pests	
218	Aphid
219	Bagworm
220	Borer
221	Leafhopper
222	Leaf Miner
223	Scale
224	Spider Mite
225	Snail/Slug
226	Tick *New 2025
227	Whitefly
228	White Grub
Diseases	
229	Anthracnose
230	Apple Scab
231	Black Spot
232	Botrytis
233	Canker
234	Cedar-Apple Rust
235	Crown Gall
236	Fire blight
237	Powdery Mildew
238	Root Rot

No.	Item Name
Weeds	
239	Annual Bluegrass
240	Broadleaf Plantain
241	Buckhorn Plantain
242	Chickweed
243	Clovers
244	Crabgrass
245	Dandelion
246	Henbit
247	Nutsedge
248	Oxalis
249	Purslane
250	Poison Ivy *New 2025
Physiological Problems	
251	Frost/Freeze Injury
252	Iron Deficiency
253	Leaf Scorch (drought/winter burn)
254	Nitrogen Deficiency
255	Pot-Bound Roots
256	String Trimmer Injury
257	2,4-D Injury
Beneficial Insects	
258	Lacewing
259	Lady Beetle
260	Paper Wasp
261	Praying Mantis
262	Spider

NURSERY/LANDSCAPE EQUIPMENT AND SUPPLIES IDENTIFICATION

260 anvil-and-blade pruner
261 ball cart (B&B truck)
262 bark mulch
263 bow saw
264 broadcast (cyclone) spreader
265 bubbler head, irrigation
266 bulb planter
267 bunker rake
268 burlap
269 compressed air sprayer
270 core aerifier
271 chain saw
272 cut-off machine
273 drip emitter, irrigation
274 dry-lock wall block
275 edger (power or hand)
276 edging
277 erosion netting
278 fertilizer injector
279 fertilizer tablet
280 garden (spading) fork
281 garden (bow) rake
282 grafting band
283 grafting knife
284 granular fertilizer
285 gravity (drop) spreader
286 ground/pelleted limestone
287 hedge shears
288 hoe
289 hook-and-blade pruners
290 hose-end repair fitting
291 hose-end sprayer
292 hose-end washer
293 hose repair coupling
294 impact sprinkler
295 irrigation ring tool
296 landscape fabric
297 leaf rake
298 loppers
299 mattock
300 measuring wheel
301 mist nozzle (mist bed)
302 mower blade balancer
303 nursery container
304 oscillating sprinkler
305 peat moss
306 pick axe
307 planting/earth/soil auger
308 pole pruner
309 polyethylene pipe
310 pop-up irrigation head
311 post-hole digger
312 power blower
313 power hedge trimmer
314 pot-in-pot units
315 pump sprayer
316 propagation mat
317 pruning saw
318 quick coupler
319 quick coupler head adapter
320 reel mower
321 resin-coated fertilizer
322 rotary mower
323 rototiller
324 round point shovel
325 scoop shovel
326 shade fabric
327 sharpening stone
328 siphon proportioner
329 soaker hose
330 soil sampling tube
331 solenoid valve
332 spade
333 sphagnum moss
334 square point (flat) shovel
335 string trimmer
336 thatch rake
337 tree caliper
338 tree wrap
339 trowel
340 vertical mower
341 water breaker
342 wire tree basket