



# Georgia FFA Association

## Nursery/Landscape CDE- Junior Division

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### I. OVERVIEW

The Junior Nursery/Landscape Career Development Event is designed to stimulate an interest in the nursery/ landscape field for Junior High Students and to prepare them for the more advanced nursery/landscape CDE offered to high school students through the FFA. The team event includes identification of plant materials and a written exam involving basic horticulture knowledge.

### II. PURPOSE

To stimulate career interest, encourage proficiency development, and recognize excellence in students of nursery practices and landscaping through the agricultural education curriculum.

### III. ELIGIBILITY

This event is open to students in grades 6-9 who are agricultural education students and are paid members of a chartered FFA chapter. Each member of the team must be a member of the chapter registering them, and each student's name must appear on the chapter's FFA roster at least 10 days prior to competition above the chapter level.

### IV. SPECIAL NEEDS REQUEST

To report any special needs or request special services for a student to compete in a Career Development Event or FFA Award area (Area or State level), it is the responsibility of the FFA advisor to provide a detailed and specific request and explanation in writing. Requests should include written documentation from the school system verifying the IEP and need being requested. Written requests must be submitted to the CDE Superintendent prior to registering for the CDE/event (at least 3 weeks prior to the date of competition).

### V. RULES

1. Each chapter may enter one team at the area competition. Team Make-up: A team representing a chapter will consist of four members. All four individual scores will be added to determine the team score.
2. Under no circumstances will any participant be allowed to touch or handle plant materials or other specimens during the event.
3. It is highly recommended that participants be in official FFA dress during the event.
4. Neither coaches nor teachers may enter the competition area until the event superintendent announces the end of the event and areas are open to be reviewed.
5. Each participant must have the following tools: clean clipboard, 2 pencils, and a non-programmable calculator. The calculator MAY ONLY have these functions: addition, subtraction, multiplication, division, equals, percent, square root, +/- key and one memory register. No graphing or programmable calculators will be allowed. *At the state level, additional tools may be required for team activity, tools needed will be announced by the CDE Superintendent prior to the event.*
6. Swapping or sharing tools (calculators, scales, clipboards, etc.) with other participants is allowed only at the discretion/permission of the CDE Superintendent.
7. This event will follow the general procedure established for all Georgia FFA career development events.
8. The State FFA executive committee and their appointees will be in charge of this event.
9. The top two teams from each area will advance to state competition.



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## VI. EVENT FORMAT

### AREA EVENT

The career development event will be conducted in *two phases* as follows:

	<b>POINTS</b>
<b>Identification of Plant Materials:</b> Twenty-five specimens from the Georgia Junior Nursery/Landscape List (revised 2018) will be displayed for contestants to identify. Ten points will be awarded for each correct answer, and participants have 30 minutes to complete this event phase.	250
<b>General Knowledge:</b> The general knowledge section will consist of twenty-five questions covering basic horticulture. Ten points will be awarded for each correct answer, and participants have 30 minutes to complete this event phase.	250
<b>Total Points per Individual</b>	<b>500</b>

### STATE EVENT

The career development event will be conducted in *four phases* as follows:

	<b>POINTS</b>
<b>Identification of Plant Materials:</b> Twenty-five specimens from the Georgia Junior Nursery/Landscape List (revised 2018) will be displayed for contestants to identify. Ten points will be awarded for each correct answer, and participants have 30 minutes to complete this event phase.	250
<b>General Knowledge:</b> The general knowledge section will consist of twenty-five questions covering basic horticulture. Ten points will be awarded for each correct answer, and participants have 30 minutes to complete this event phase.	250
<b>Disorder Identification (State Only):</b> Contestants individually will be required to identify plant disorders including diseases, insects, weeds, and nutritional disorders and specify. Items for this phase of the career development event will be selected from the Disorder List. Ten points will be awarded for each correct answer, and participants have 30 minutes to complete this event phase.	100
<b>Team Activity (State Only):</b> <b>Landscape Estimating:</b> The practicum is designed to evaluate participant 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. Contestants will answer ten multiple-choice questions about a landscape drawing, and each correct answer has a value of 10 points. Participants have 30 minutes to complete this event phase as a team. All four students on the team will work together to complete this event.	100



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### VII. SCORING

Participant scores are the sum of the four phases of the event and team scores are the sum of the three highest member scores. Possible points are as follows:

Phase	Member	Team
Identification of Plant Materials	250	1000
General Knowledge	250	1000
Disorder Identification (state only)	100	400
Team Activity (state only)	---	100
<b>Total</b>	<b>600</b>	<b>2500</b>

### VIII. TIE BREAKERS

In the case of ties, individual and team total scores will determine the final placing by comparing in order, scores for the following:

1. Written Exam
2. Plant Identification
3. Disorder Identification
4. Activity Landscape Estimating
5. 5-pre selected questions on exam
6. 5-pre selected plants in the plant material

### IX. REFERENCES

*Horticulture Today*, Goodheart Wilcox  
*Introductory Horticulture*, Delmar

### X. ADDITIONAL RESOURCES

[www.gaaged.org](http://www.gaaged.org) – Past written exams, practicum and interactive plant identification quiz available.

AGGHPS – 01.461 (General Horticulture/Plant Science Curriculum)

AGGHPS – 02.012 (Exploring AgEd Middle School Curriculum)

AGGHPS – 02.013 (Exploring AgEd Middle School Curriculum)

AGGHPS – 02.014 (Exploring AgEd Middle School Curriculum)

[www.ffa.org](http://www.ffa.org) – a sample of national written exam and links to additional study aids includes resources on plant and disorder identification, landscape drawing practicum, and FFA Supply Service for ordering prior copies of National General Knowledge Test.

[www.extension.uga.edu](http://www.extension.uga.edu) - cooperative extension service website with many horticulture links of information



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101. Abelia, Glossy / *Abelia x grandiflora* cv.
  102. Ajuga (Carpet Bugle) / *Ajuga reptans* cv.
  103. Aucuba, Japanese / *Aucuba japonica* cv.
  104. Azalea / *Rhododendron* hybrid
  105. Barberry, Japanese / *Berberis thunbergii*
  106. Bermudagrass, Hybrid / *Cynodon dactylon* *Cynodon transvaalensis*
  107. Birch, River / *Betula nigra*
  108. Boxwood / *Buxus* species
  109. Butterfly bush / *Buddleia davidii*
  110. Camellia / *Camellia japonica* cv.
  111. Cast Iron Plant / *Aspidistra elatior*
  112. Centipedegrass / *Ermochloa ophiuroides*
  113. Cleyera, Japanese / *Ternstroemia gymnanthera*
  114. Crape Myrtle / *Lagerstroemia indica* cv.
  115. Cryptomeria / *Cryptomeria japonica*
  116. Cypress, Bald / *Taxodium distichum*
  117. Daylily / *Hemerocallis* species cv.
  118. Dogwood, Flowering / *Cornus florida*
  119. Forsythia, Border / *Forsythia intermedia*
  120. Fountain Grass / *Pennisetum setaceum*
  121. Gardenia, Cape Jasmine / *Gardenia jasminoides*
  122. Ginkgo / *Ginkgo biloba*
  123. Hawthorn, Indian / *Raphiolepis indicum*
  124. Holly, Carissa / *Ilex cornuta* 'Carissa'
  125. Holly, Chinese / *Ilex cornuta*
  126. Holly, Dwarf Yaupon / *Ilex vomitoria* 'Nana'
  127. Holly, Dwarf Burford / *Ilex cornuta* 'Burfordii'
  1128. Holly, Weeping Yaupon / *Ilex vomitoria* 'Pendula'
  1129. Hosta / *Hosta x hybrida* cv.
  1130. Hydrangea, Bigleaf / *Hydrangea macrophylla*
  1131. Ivy, English / *Hedera helix*
  1132. Juniper, Blue Rug / *Juniperus horizontalis* 'Wiltoni'
  1133. Juniper, Andorra / *Juniperus horizontalis* 'Plumosa'
  1134. Lantana / *Lantana camara*
  1135. Liriope / *Liriope muscari* cv.s
  1136. Loropetalum / *Loropetalum chinese*
  1137. Magnolia, Southern / *Magnolia grandiflora* cv.
  1138. Mahonia, Leatherleaf / *Mahonia bealei*
  1139. Maple, Red / *Acer rubrum* cv.
  1140. Maple, Japanese / *Acer palmatum* cv.
  1141. Mondo Grass / *Ophiopogon japonicus*
  1142. Nandina, Dwarf / *Nandina domestica* (dwarf cv.s)
  1143. Oak, Live / *Quercus virginiana*
  1144. Oak, White / *Quercus alba*
  1145. Pine, Eastern White / *Pinus strobus*
  1146. Poplar, Yellow (tuliptree) / *Liriodendron tulipifera*
  1147. Privet Hedge, Variegated / *Ligustrum sinense*
  1148. Pyracantha / *Pyracantha coccinea*
  1149. Redbud, Eastern / *Cercis canadensis*
  1150. Rhododendron / *Rhododendron catawbiense*
  1151. Rose, Hybrid Tea / *Rosa x cv.s*
  1152. Willow, Weeping / *Salix babylonica*
  1153. Yew, Plum / *Cephalotaxus harringtonia* cv.
  1154. Yucca (Adams Needle) / *Yucca filamentosa* cv.
  1155. Zoysia, Emerald / *Zoysia* (Emerald Strain)
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### Horticulture Tools & Materials

201. Bypass pruner
202. Fertilizer, Granular
203. Fertilizer, Resin-coated
204. Landscape Fabric
205. Loppers
206. Peat moss
207. Perlite
208. Pop Up Irrigation Head
209. Respirator
210. Safety goggles/glasses
211. Shade fabric (Shade cloth)
212. Soaker Hose
213. Solenoid Valve
214. Sphagnum moss
215. Vermiculite

### Nursery Landscape Disorders

301. Aphid
302. Bagworm
303. Black Spot
304. Clover
305. Dandelion
306. Grub
307. Henbit
308. Mealy Bug
309. Nutgrass
310. Oxalis
311. Powdery Mildew
312. Scale
313. Slug
314. Whitefly
315. Wild Onion/ Garlic