



Georgia FFA Association

Floriculture CDE - Junior Division

I. OVERVIEW

The Junior Floriculture Career Development Event is designed to stimulate an interest in the floriculture field for junior high Students and to prepare them for the more advanced Floriculture 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 greenhouse floriculture 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 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**. With a four-member team, **all** 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 students wear official dress as outlined in the official FFA manual.
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, calculator, and 2 pencils. 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.
6. Swapping or sharing tools (calculators, scales, clipboards, etc.) with other participants will only be permitted 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:

Phases

1. Identification of Plant Materials: Twenty-five specimens from the Georgia Junior Floriculture List 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.

Points

250

2. General Knowledge: 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

Total Points per Individual

500

State Event

The career development event will be conducted in **FOUR PHASES** as follows:

Phases

1. Identification of Plant Materials: Twenty-five specimens from the Georgia Junior Floriculture List 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.

Points

250

2. General Knowledge: 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

3. Disorder Identification: Contestants will be required to identify plant disorders including diseases, insects, weeds, and nutritional disorders. Items for this phase of the career development event will be selected from the Disorders List. Ten points will be awarded for each correct answer, and participants have 30 minutes to complete this event phase.

100

4. Problem Solving Team Activity: This phase will be conducted as a team event where all four team members will work as one group to solve four problem solving questions. Twenty-five (25) points will be awarded for each correct answer, and the participants have 30 minutes to complete this phase. The problem solving questions will concentrate on four of the following designated areas:

1. Media Volume
2. Area and Volume
3. Chemical and fertilizer application
4. Irrigation
5. Pricing

100



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VII. SCORING

Participant scores are the sum of the two phases of the event and team scores are the sum of all four member scores.

Possible points are as follows:

<u>Phase</u>	<u>Member Possible Points</u>	<u>Team Possible Points</u>
Identification of Plant Materials	250	1000
General Knowledge	250	1000
Disorders (state only)	100	400
Team Problem Solving (state only)		100
Total	500	2500

VIII. TIE BREAKERS

In the case of tie, 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. Disorders
4. Team Problem Solving
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

XI. ADDITIONAL RESOURCES

Websites:

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 Agricultural Education Middle School Curriculum)

AGGHPS 02.013 (Exploring Agricultural Education Middle School Curriculum)

AGGHPS 02.014 (Exploring Agricultural Education Middle School Curriculum)

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 - cooperative extension service website with many horticulture links of information



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JUNIOR FFA FLORICULTURE CAREER DEVELOPMENT EVENT

(Revised July 2015)

101. African Violet / *Saintpaulia ionantha*
102. Ageratum / *Ageratum mexicanum*
103. Aluminum Plant / *Pilea cadierei*
104. Amaryllis / *Hippeastrum* hybrids
105. Azalea / *Rhododendron*
106. Benjamin Fig / *Ficus benjamina* 'Exotica'
107. Boston Fern / *Nephrolepis exaltata*
108. Bromeliad, Silver Vase / *Aechmea fasciata* cv.
109. Cactus / *Opuntia* tribe cv.
110. Calla Lily / *Zantedeschia* hybrid cv.
111. Camellia / *Camellia japonica* cv.
112. Coleus / *Coleus* x hybridus
113. Corn Plant *Dracaena* / *Dracaena fragrans*
'Massangeana'
114. Daffodil / *Narcissus pseudo-narcissus*
115. Dumbcane / *Dieffenbachia* species
116. Dusty Miller / *Senecio cineraria*
117. Dwarf Schefflera / *Heptapleurum arboricola*
118. English Ivy / *Hedera helix*
119. Eucalyptus / *Eucalyptus polyanthemos*
120. Florist's Chrysanthemum / *Chrysanthemum* x
morifolium
121. Gerbera Daisy / *Gerbera jamesonii*
122. Gardenia / *Gardenia jasminoides* 'Fortuniana'
123. Geranium / *Pelargonium* x hortorum.
124. Heartleaf Philodendron / *Philodendron*
oxycardium
125. Hens and Chickens / *Echeveria* cv.
126. Hybrid Tea Rose / *Rosa* hybrid, Class Hybrid Tea
127. Hydrangea / *Hydrangea macrophylla*
128. Impatiens / *Impatiens* hybrids
129. Jade Plant / *Crassula argentea*.
130. Marigold / *Tagetes* species
131. Moth Orchid / *Phalaenopsis* cv.
132. Norfolk Island Pine / *Araucaria heterophylla*
133. Ornamental Pepper Plant / *Capsicum annuum*
134. Ornamental Sweet Potato / *Impomoea batatas* cv.
135. Pansy / *Viola* x *wittrockiana*
136. Parlor Palm / *Chamaedorea elegans*
137. Peace Lily / *Spathiphyllum* species
138. Peperomia / *Peperomia obtusifolia*
139. Petunia / *Petunia* x *hybrida*
140. Poinsettia / *Euphorbia pulcherrima* cv.s
141. Pothos / *Epipremnum aurens*
142. Portulaca / *Portulaca orleracea* cv.
143. Red Edge Dracaena / *Dracaena cincta*
144. Rubber Plant / *Ficus elastica*
145. Salvia / *Salvia splendens*
146. Snake Plant / *Sansevieria trifasciata*
147. Snapdragon / *Antirrhinum majus*
148. Spider Plant / *Chlorophytum comosum*
149. Swedish Ivy / *Plectranthus mummularis*
150. Thanksgiving Cactus / *Schlumbergia truncata*
151. Tulip / *Tulipa* cv.s
152. Verbena / *Verbena* x *hybrida*
153. Vinca (Periwinkle) / *Catharanthus roseus*
154. Wandering Jew / *Zebrina pendula*
155. Wax Begonia / *Begonia* x *semperflorens*

Horticulture Tools & Materials Identification List

201. Bypass pruner
202. Bulb Planter
203. Cell Pack Container
204. Peat moss
205. Perlite
206. Pest Strips
207. pH testing meter
208. Propagation Tray
209. Resin-coated fertilizer
210. Respirator
211. Safety glasses/goggles
212. Shade fabric
213. Sphagnum moss
214. Vermiculite
215. Water Soluble Fertilizer



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Floriculture Disorders Identification List (STATE ONLY)

Revised June 2018

- 301. Aphid
- 302. Black Spot
- 303. Cold Water Damage
- 304. Fungus Gnat
- 305. Iron Deficiency
- 306. Insufficient Water Damage/ Wilt
- 307. Leaf Miner
- 308. Mealy Bug
- 309. Nitrogen deficiency
- 310. Oxalis
- 311. Scale
- 312. Slug
- 313. Phosphorus Deficiency
- 314. Powdery Mildew
- 315. Whitefly