



Georgia FFA Association

FLORICULTURE - SENIOR CDE

I. OVERVIEW

The Floriculture Career Development Event tests the participant's knowledge and skill in various aspects of the industry. The team event includes identification of plant materials and disorders, as well as a hands-on problem solving and written exam involving the production, use of plant material and their maintenance, related products, equipment and services.

II. PURPOSE

To stimulate career interest, encourage proficiency development, and recognize excellence in students of floriculture production and maintenance through the agriculture education curriculum.

III. ELIGIBILITY

This event is open to students in grades 9-12 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 regional competition. **Team Make-up :** A team representing a chapter will consist of four members. With a four member team, **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 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, 2 pencils, hand lens, and a non-programmable calculator.
6. This event will follow the general procedure established for all Georgia FFA career development events.
7. The State FFA executive committee and their appointees will be in charge of this event.
8. The top two teams from each area will advance to state competition.



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VI. EVENT FORMAT

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

<u>PHASE</u>	<u>POINTS</u>
<p>Identification of Plants, Tools and Materials: Twenty-five specimens from the Georgia Floriculture Plant List and Horticulture Tool and Materials List will be displayed for contestants to identify. Ten points will be awarded for each correct answer, and participants have 25 minutes to complete this event phase.</p>	250
<p>General Knowledge: The general knowledge section will consist of twenty-five questions covering all areas of the floriculture industry. Ten points will be awarded for each correct answer, and participants have 25 minutes to complete this phase.</p>	250
<p>Problem Solving: This phase will consist of five problem solving questions. Twenty points will be awarded for each correct answer, and participants have 20 minutes to complete this phase. The problem solving questions will concentrate on a designated areas:</p> <ol style="list-style-type: none"> 1. Media Volume 2. Area and Volume 3. Chemical and fertilizer application 4. Irrigation 5. Pricing 	100
<p>Disorder Identification: Contestants will be required to identify plant disorders including diseases, insects, weeds, and nutritional disorders and specify, if requested, those pesticides or other treatments necessary to remedy the problem. 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 20 minutes to complete this event phase.</p>	100
Total Points Per Individual	700

VII. SCORING

Participant scores are the sum of the four 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
Problem Solving	100	400
Disorder Identification	100	400
Total	700	2800



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VIII. TIE BREAKERS

In the case of tie, individual or team scores will determine the final placing by comparing, in order, scores for the following:

1. Written Exam
2. Plant Identification
3. Disorders
4. Problem Solving

IX. AWARDS

Awards shall be determined each year by the Board of Trustees of the Georgia FFA Foundation. This event is made possible through the Georgia FFA Foundation as a special project of an industry sponsor or from the Foundation general fund. Minimum awards will recognize the first place individual in each area, and the first and second individuals at the state level.

X. REFERENCES

Greenhouse Operation and Management. Reston Publishing

Introductory Horticulture. Delmar

Introduction to Horticulture: Science & Technology. Interstate

AG-GH-01.461 (General Horticulture & Plant Science Curriculum)

AG-FL 01.461 (General Floriculture Curriculum)



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Plant Identification

(REVISED 2014)

201. African Violet / *Saintpaulia ionantha*
202. Ageratum / *Ageratum mexicanum*
203. Aglaonema / *Aglaonema* cv
204. Alstromeria / *Alstromeria aurantiaca*
205. Aluminum plant / *Pilea cadierei*
206. Alyssum / *Lobularia maritima*
207. Amaryllis / *Hippeastrum* hybrids
208. Anthurium / *Anthurium* cv.s
209. Asiatic (Garden) Lily / *Lilium x hybridum* cv.
210. Azalea / *Rhododendron*
211. Baby's Breath / *Gypsophila elegans*
212. Bearded Iris / *Iris x germanica florentina*
213. Benjamin Fig / *Ficus benjamina* 'Exotica'
214. Boston Fern / *Nephrolepis exaltata*
215. Bromeliad, Tricolor / *Neoregelia caroliniae*
216. Cactus / *Opuntia* tribe cv.
217. Caladium / *Caladium x hortulanum*
218. Camellia / *Camellia japonica* cv.
219. Carnation / *Dianthus caryophyllus*
220. Canna Lily / *Canna x generalis*
221. Cattleya Orchid / *Cattleya* hybrids
222. Celosia (Cockscomb) / *Celosia cristata*
223. Clematis / *Clematis Jackmanii* Group cv.
224. Coleus / *Solenostemon scutellarioides*
225. Corn Plant *Dracaena* / *Dracaena fragrans* 'Massangeana'
226. Cutleaf Philodendron / *Monstera deliciosa*
227. Croton / *Codiaeum variegatum pictum* cv.
228. Crown of thorns / *Euphorbia milii splendens*
229. Cyclamen / *Cyclamen x persicum*
230. Cymbidium Orchid / *Cymbidium* cv.s
231. Daffodil / *Narcissus pseudo-narcissus*
232. Dumbcane / *Dieffenbachia* cv
233. Dusty Miller / *Senecio cineraria*
234. Dutch Iris / *Iris x xiphium*
235. Dwarf Schefflera / *Heptapleurum arboricola*
236. Easter Lily / *Lilium longiflorum*
237. Emerald Ripple Peperomia / *Peperomia caperata*
238. English Ivy / *Hedera helix*
239. Eucalyptus / *Eucalyptus polyanthemos*
240. Florist's Chrysanthemum / *Chrysanthemum x morifolium*
241. Flowering Stock / *Matthiola incana* cv.
242. Friendship Plant / *Pilea involucrate*
243. Gardenia / *Gardenia jasminoides* 'Fortuniana'
244. Geranium / *Pelargonium x hortorum*
245. Gerbera Daisy / *Gerbera jamesonii*
246. Gladiolus / *Gladiolus* species
247. Gloxinia / *Sinningia speciosa*
248. Grape Ivy / *Cissus rhombifolia*
249. Heartleaf Philodendron / *Philodendron oxycardium*
250. Hens and Chickens / *Echeveria* cv.
251. Hyacinth / *Hyacinthus orientalis*
252. Hybrid Tea Rose / *Rosa* hybrid, Class Hybrid Tea
253. Hydrangea / *Hydrangea macrophylla*
254. Impatiens / *Impatiens* hybrids
255. Ivy Leaf Geranium / *Pelargonium peltatum*
256. Jade Plant / *Crassula argentea*
257. Kalanchoe / *Kalanchoe x blossfeldiana*
258. Lady'slipper Orchid / *Paphiopedilum x hybrid* cv.
259. Leatherleaf Fern / *Rumohra adiantiformis*
260. Liatris / *Liatris spicata*
261. Marigold / *Tagetes* species
262. Moth Orchid / *Phalaenopsis* cv.
263. Nephthytis / *Syngonium podophyllum*
264. Norfolk Island Pine / *Araucaria heterophylla*
265. Pansy / *Viola x wittrockiana*
266. Parlor Palm / *Chamaedorea elegans*
267. Peperomia / *Peperomia obtusifolia*
268. Petunia / *Petunia x hybrida*
269. Plumosa Asparagus Fern / *Asparagus setaceus*
270. Poinsettia / *Euphorbia pulcherrima* cv
271. Pothos / *Epipremnum aureum*
272. Prayer Plant / *Maranta leuconeura kerchoviana*
273. Primrose / *Primula x polyanthus* cv.
274. Red Edge *Dracaena* / *Dracaena cincta*
275. Rubber Plant / *Ficus elastica*
276. Salvia / *Salvia splendens*
277. Shasta Daisy / *Chrysanthemum x superbum*
278. Shrimp Plant / *Justicia brandegeana*
279. Snake Plant / *Sansevieria trifasciata*
280. Snapdragon / *Antirrhinum majus*
281. Spathiphyllum / *Spathiphyllum* species
282. Spider Plant / *Chlorophytum comosum*
283. Sprenger's Fern / *Asparagus sprengeri*
284. Statice / *Limonium sinuatum*
285. Swedish Ivy / *Plectranthus australis*
286. Thanksgiving Cactus / *Schlumbergia truncata*
287. Tulip / *Tulip* cv.s
288. Vinca (Periwinkle) / *Catharanthus roseus*
289. Wandering Jew / *Zebrina pendula*
290. Wax Begonia / *Begonia x semperflorens*
291. Zebra Plant / *Aphelandra squarrosa*
292. Zinnia / *Zinnia elegans*



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Horticulture Tools and Materials Identification List

Revised July 2012

- 300. anvil-and-blade pruner
- 301. bark medium
- 302. compressed air sprayer
- 303. designer bowl
- 304. dry foam
- 305. Floral foam
- 306. glue gun
- 307. granular fertilizer
- 308. ground limestone
- 309. hose-end repair fitting
- 310. hose-end sprayer
- 311. hose-end washer
- 312. hose repair coupling
- 313. impulse sprinkler
- 314. mist nozzle (mist bed)
- 315. peat moss
- 316. perlite
- 317. polyethylene film
- 318. polyethylene pipe
- 319. resin-coated fertilizer
- 320. respirator
- 321. safety goggles
- 322. sand
- 323. shade fabric
- 324. sheet moss
- 325. siphon proportioner
- 326. sphagnum moss
- 327. spray suit
- 328. styrofoam
- 329. tape measure
- 330. irrigation timer
- 331. vermiculite
- 332. water breaker
- 333. waterproof tape



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Floriculture Disorders Identification List

Revised July 2012

- 201.Aphid
- 202.Fungus Gnat
- 203.Leaf Miner
- 204.Mealy Bug
- 205.Scale
- 206.Slug
- 207.Spider Mite
- 208.Powdery Mildew
- 209.Thrip
- 210.Whitefly
- 211.Blackleg
- 212.Black Spot
- 213.Botrytis
- 214.Damping Off
- 215.Mosaic Virus
- 216.Edema
- 217.Cold Water Damage
- 218.Iron Chlorosis
- 219.Bermudagrass
- 220.Crabgrass
- 221.Nutgrass
- 222.Oxalis
- 223.Apply Fungicide
- 224.Apply Herbicide
- 225.Apply Insecticide
- 226.Apply Miticide/Acaricide
- 227.Apply Molluscicide Bait
- 228.Apply Nitrogen
- 229.Water with Tepid Water